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65.- SELECTIVE SEMI-HYDROGENATION OF INTERNAL ALKYNES CATALYZED BY PD–$CACO_3$ CLUSTERS
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Posición en categoría JCR: 7/44 Q1 T1 D2 (Green & Sustainable Science & Technology)

67.- ENCAPSULATION OF CYNARA CARDUNCULUS GUAIANE-TYPE LACTONES IN FULLY ORGANIC NANOTUBES ENHANCES THEIR PHYTOTOXIC PROPERTIES
Mejías, F.J.R.; Fernández, I.P.; Rial, C.; Varela, R.M.; Molinillo, J.M.G.; Calvino, J.J.; Trasobares, S.; Macías, F.A.;
Journal of Agricultural and Food Chemistry, Vol.70, Issue 12, pp 3644-3653 (2022)
DOI: 10.1021/acs.jafc.1c07806
Factor de Impacto: JCR(5,279), SJR(1,203)
Posición en categoría JCR: 5/58 Q1 T1 D1 (Agriculture, Multidisciplinary)

68.- SPECTROSCOPIC ELLIPSOMETRY STUDY ON TUNING THE ELECTRICAL AND OPTICAL PROPERTIES OF ZR-DOPED ZNO THIN FILMS GROWN BY ATOMIC LAYER DEPOSITION
Bohórquez, C.; Bakkali, H.; Delgado, J.J.; Blanco, E.; Herrera, M.; Domínguez, M.;
ACS Applied Electronic Materials, Vol.4, Issue 3, pp 925-935 (2022)
DOI: 10.1021/acsaelm.1c01026
Factor de Impacto: JCR(3,314), SJR(1,379)
Posición en categoría JCR: 95/273 Q2 T2 D4 (Engineering, Electrical & Electronic)

69.- RADIOMETRIC ANALYSIS OF HAZE IN BRIGHT-ANNEALED AISI 430 FERRITIC STAINLESS STEEL
González-Leal, J.M.; Gallero, E.; Nuñez, A.; Almagro, J.F.;
Applied Optics, Vol.61, Issue 9, pp 2155-2164
DOI: 10.1364/AO.451019
Factor de Impacto: JCR(1,980), SJR(0,668)
Posición en categoría JCR: 62/99 Q3 T2 D7 (Optics)

70.- SYNTHESIS OF SILVER NANOCOMPOSITES FOR STEREOLITHOGRAPHY: IN SITU FORMATION OF NANOPARTICLES
Valencia, L.M.; Herrera, M.; de la Mata, M.; de León, A.S.; Delgado, F.J.; Molina, S.I.;
Polymers, Vol.14, Issue 6, pp – (2022)
DOI: 10.3390/polym14061168
Factor de Impacto: JCR(4,329), SJR(0,770)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

71.- PRINTABLE GRAPHENE OXIDE NANOCOMPOSITES AS VERSATILE PLATFORMS FOR IMMOBILIZATION OF FUNCTIONAL BIOMOLECULES
de León, A.S.; de la Mata, M.; Delgado, F.J.; Molina, S.I.;
Macromolecular Materials and Engineering, Vol.307, Issue 3, pp – (2022)
DOI: 10.1002/mame.202100784
Factor de Impacto: JCR(4,367), SJR(0,913)
Posición en categoría JCR: 119/335 Q2 T2 D4 (Materials Science, Multidisciplinary)

72.- CORK PHOTOCURABLE RESIN COMPOSITE FOR STEREOLITHOGRAPHY (SLA): INFLUENCE OF CORK PARTICLE SIZE ON MECHANICAL AND THERMAL PROPERTIES
Romero-Ocaña, I.; Molina, S.I.;
Additive Manufacturing, Vol.51, Issue -, pp – (2022)
DOI: 10.1016/j.addma.2021.102586
Factor de Impacto: JCR(10,998), SJR(2,710)
Posición en categoría JCR: 1/50 Q1 T1 D1 (Engineering, Manufacturing)

73.- APPLICATION OF ADVANCED (S)TEM METHODS FOR THE STUDY OF NANOSTRUCTURED POROUS FUNCTIONAL SURFACES: A FEW WORKING EXAMPLES
Santos, A.J.; Lacroix, B.; Maudet, F.; Paumier, F.; Hurand, S.; Dupeyrat, C.; Gómez, V.J.; Huffaker, D.L.; Girardeau, T.; García, R.; Morales, F.M.;
Materials Characterization, Vol.185, Issue -, pp – (2022)
DOI: 10.1016/j.matchar.2022.111741
Factor de Impacto: JCR(4,342), SJR(1,194)
Posición en categoría JCR: 120/335 Q2 T2 D4 (Materials Science, Multidisciplinary)

74.- SURFACE DIELS-ALDER ADDUCTS ON MULTILAYER GRAPHENE FOR THE GENERATION OF EDGE-ENRICHED SINGLE-ATOM FEN_4 SITES FOR ORR AND OER ELECTROCATALYSIS
Amaro-Gahete, J.; Salatti-Dorado, J.A.; Benítez, A.; Esquivel, D.; García-Caballero, V.; López-Haro, M.; Delgado, J.J.; Cano, M.; Giner-Casares, J.J.; Romero-Salguero, F.J.;
Sustainable Energy and Fuels, Vol.6, Issue 6, pp 1603-1615
DOI: 10.1039/d2se00004k
Factor de Impacto: JCR(6,367), SJR(1,825)
Posición en categoría JCR: 41/162 Q2 T1 D3 (Chemistry, Physical)

75.- POLYMER COMPOSITES WITH CORK PARTICLES FUNCTIONALIZED BY SURFACE POLYMERIZATION FOR FUSED DEPOSITION MODELING
De León, A.S.; Núñez-Gálvez, F.; Moreno-Sánchez, D.; Fernández-Delgado, N.; Molina, S.I.;

ACS Applied Polymer Materials, Vol.4, Issue 2, pp 1225-1233 (2022)
DOI: 10.1021/acsapm.1c01632
Factor de Impacto: JCR(4,089)
Posición en categoría JCR: 22/88 Q1 T1 D3 (Polymer Science)

78.- MICROSTRUCTURAL AND CHEMICAL INVESTIGATIONS OF PRESOLAR SILICATES FROM DIVERSE STELLAR ENVIRONMENTS
Sanghani, M.N.; Lajaunie, L.; Marhas, K.K.; Rickard, W.D.A.; Hsiao, S.S.Y.; Peeters, Z.; Shang, H.; Lee, D.C.; Calvino, J.J.; Bizzarro, M.;
Astrophysical Journal, Vol.925, Issue 2, pp – (2022)
DOI: 10.3847/1538-4357/ac3332
Factor de Impacto: JCR(5,874), SJR(2,376)
Posición en categoría JCR: 10/68 Q1 T1 D2 (Astronomy & Astrophysics)

79.- SYNTHESIS AND CHARACTERISATION OF ASA-PEEK COMPOSITES FOR FUSED FILAMENT FABRICATION
Palacios-Ibáñez, B.; Relinque, J.J.; Moreno-Sánchez, D.; de León, A.S.; Delgado, F.J.; Escobar-Galindo, R.; Molina, S.I.;
Polymers, Vol.14, Issue 3, pp – (2022)
DOI: 10.3390/polym14030496
Factor de Impacto: JCR(4,329), SJR(0,770)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

80.- A PATCHY PARTICLE MODEL FOR C-S-H FORMATION
Prabhu, A.; Dolado, J.S.; Koenders, E.A.B.; Zarzuela, R.; Mosquera, M.J.; Garcia-Lodeiro, I.; Blanco-Varela, M.T.;
Cement and Concrete Research, Vol.152, Issue -, pp – (2022)
DOI: 10.1016/j.cemconres.2021.106658
Factor de Impacto: JCR(10,933), SJR(4,628)
Posición en categoría JCR: 36/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

81.- STEM TOOLS FOR SEMICONDUCTOR CHARACTERIZATION: BEYOND HIGH-RESOLUTION IMAGING
de la Mata, M.; Molina, S.I.;
Nanomaterials, Vol.12, Issue 3, pp – (2022)
DOI: 10.3390/nano12030337
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 51/107 Q2 T2 D5 (Nanoscience & Nanotechnology)

82.- HIGHLY ACTIVE AND STABLE CO (CO_3O_4)_SM_2O_3 NANO-CRYSTALLITES DERIVED FROM SM_2CO_7 AND $SMCO_5$ INTERMETALLIC COMPOUNDS IN NH_3 SYNTHESIS AND CO_2 CONVERSION
Marakatti, V.S.; Ronda-Lloret, M.; Krajčí, M.; Joseph, B.; Marini, C.; Delgado, J.J.; Devred, F.; Shiju, N.R.; Gaigneaux, E.M.;
Catalysis Science and Technology, Vol.12, Issue 2, pp 686-706 (2022)
DOI: 10.1039/d1cy01956b

Factor de Impacto: JCR(6,119), SJR(1,635)
Posición en categoría JCR: 44/162 Q2 T1 D3 (Chemistry, Physical)

83.- PHOTOCATALYTIC REMOVAL OF BENZENE OVER Ti_3C_2T: XMXENE AND TiO_2-MXENE COMPOSITE MATERIALS UNDER SOLAR AND NIR IRRADIATION
Sergiienko, S.A.; Tobaldi, D.M.; Lajaunie, L.; Lopes, D.V.; Constantinescu, G.; Shaula, A.L.; Shcherban, N.D.; Shkepu, V.I.; Calvino, J.J.; Frade, J.R.; Labrincha, J.A.; Kovalevsky, A.V.;
Journal of Materials Chemistry C, Vol.10, Issue 2, pp 626-639 (2022)
DOI: 10.1039/d1tc03826e
Factor de Impacto: JCR(7,393), SJR(1,899)
Posición en categoría JCR: 65/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

84.- ACTIVE AND REGIOSELECTIVE RU SINGLE-SITE HETEROGENEOUS CATALYSTS FOR ALPHA-OLEFIN HYDROFORMYLATION
Escobar-Bedia, F.J.; Lopez-Haro, M.; Calvino, J.J.; Martin-Diaconescu, V.; Simonelli, L.; Perez-Dieste, V.; Sabater, M.J.; Concepción, P.; Corma, A.;
ACS Catalysis, Vol.-, Issue -, pp 4182-4193 (2022)
DOI: 10.1021/acscatal.1c05737
Factor de Impacto: JCR(13,084), SJR(4,898)
Posición en categoría JCR: 15/162 Q1 T1 D1 (Chemistry, Physical)

85.- SILVER CLUSTERS OF FIVE ATOMS AS HIGHLY SELECTIVE ANTITUMORAL AGENTS THROUGH IRREVERSIBLE OXIDATION OF THIOLS
Porto, V.; Buceta, D.; Domínguez, B.; Carneiro, C.; Borrajo, E.; Fraile, M.; Davila-Ferreira, N.; Arias, I.R.; Blanco, J.M.; Blanco, M.C.; Devida, J.M.; Giovanetti, L.J.; Requejo, F.G.; Hernández-Garrido, J.C.; Calvino, J.J.; López-Haro, M.; Barone, G.; James, A.M.; García-Caballero, T.; González-Castaño, D.M.; Treder, M.; Huber, W.; Vidal, A.; Murphy, M.P.; López-Quintela, M.A.; Domínguez, F.;
Advanced Functional Materials, Vol.-, Issue -, pp – (2022)
DOI: 10.1002/adfm.202113028
Factor de Impacto: JCR(18,808), SJR(6,069)
Posición en categoría JCR: 9/162 Q1 T1 D1 (Chemistry, Physical)

86.- SEGMENTATION OF SCANNING-TRANSMISSION ELECTRON MICROSCOPY IMAGES USING THE ORDERED MEDIAN PROBLEM
Calvino, J.J.; López-Haro, M.; Muñoz-Ocaña, J.M.; Puerto, J.; Rodríguez-Chía, A.M.;
European Journal of Operational Research, Vol.-, Issue -, pp – (2022)
DOI: 10.1016/j.ejor.2022.01.022
Factor de Impacto: JCR(5,334), SJR(2,161)
Posición en categoría JCR: 15/84 Q1 T1 D2 (Operations Research & Management Science)

87.- A NEW APPROACH TO STUDYING THE ELECTRICAL BEHAVIOR AND THE INHOMOGENEITIES OF THE SCHOTTKY BARRIER HEIGHT
Helal, H.; Benamara, Z.; Comini, E.; Kacha, A.H.; Rabehi, A.; Khirouni, K.; Monier, G.; Robert-Goumet, C.; Dominguez, M.;

European Physical Journal Plus, Vol.137, Issue 4, pp – (2022)
DOI: 10.1140/epjp/s13360-022-02672-0
Factor de Impacto: JCR(3,911), SJR(0,650)
Posición en categoría JCR: 20/85 Q1 T1 D3 (Physics, Multidisciplinary)

88.- MAGNETO-OPTICAL HYPERTHERMIA AGENTS BASED ON PROBIOTIC BACTERIA LOADED WITH MAGNETIC AND GOLD NANOPARTICLES
Garcés, V.; González, A.; Gálvez, N.; Delgado-López, J.M.; Calvino, J.J.; Trasobares, S.; Fernández-Afonso, Y.; Gutiérrez, L.; Dominguez-Vera, J.M.;
Nanoscale, Vol.-, Issue -, pp – (2022)
DOI: 10.1039/d1nr08513a
Factor de Impacto: JCR(7,790), SJR(2,038)
Posición en categoría JCR: 62/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

89.- MONOLITHIC INTEGRATION OF A 10 MM CUT-OFF WAVELENGTH INAS/GASB TYPE-II SUPERLATTICE DIODE ON GAAS PLATFORM
wan, D.C.M.; Kesaria, M.; Jiménez, J.J.; Srivastava, V.; Delmas, M.; Liang, B.L.; Morales, F.M.; Huffaker, D.L.;
Scientific Reports, Vol.12, Issue 1, pp – (2022)
DOI: 10.1038/s41598-022-15538-3
Factor de Impacto: JCR(4,379), SJR(1,240)
Posición en categoría JCR: 17/73 Q1 T1 D3 (Multidisciplinary Sciences)

90.- ANALYSIS AND COMPARISON OF MONOFOCAL, EXTENDED DEPTH OF FOCUS AND TRIFOCAL INTRAOCULAR LENS PROFILES
Miret, J.J.; Camps, V.J.; García, C.; Caballero, M.T.; Gonzalez-Leal, J.M.;
Scientific Reports, Vol.12, Issue 1, pp – (2022)
DOI: 0.1038/s41598-022-12694-4
Factor de Impacto: JCR(4,379), SJR(1,240)
Posición en categoría JCR: 17/73 Q1 T1 D3 (Multidisciplinary Sciences)

91.- AN ELECTROCHEMICAL ALTERNATIVE FOR EVALUATING THE ANTIOXIDANT CAPACITY IN WALNUT KERNEL EXTRACTS
Ruiz-Caro, P.; Espada-Bellido, E.; García-Guzmán, J.J.; Bellido-Milla, D.; Vázquez-González, M.; Cubillana-Aguilera, L.; Palacios-Santander, J.M.;
Food Chemistry, Vol.393, Issue -, pp – (2022)
DOI: 10.1016/j.foodchem.2022.133417
Factor de Impacto: JCR(7,514), SJR(1,772)
Posición en categoría JCR: 6/89 Q1 T1 D1 (Nutrition & Dietetics)

92.- DAMQT 3: ADVANCED SUITE FOR THE ANALYSIS OF MOLECULAR DENSITY AND RELATED PROPERTIES IN LARGE SYSTEMS
Kumar, A.; López, R.; Martínez, F.; Ramírez, G.; Ema, I.; Zorrilla, D.; Yeole, S.D.; Gadre, S.R.;
Computer Physics Communications, Vol.279, Issue -, pp – (2022)
DOI: 10.1016/j.cpc.2022.108460

Factor de Impacto: JCR(4,390), SJR(1,319)
Posición en categoría JCR: 2/55 Q1 T1 D1 (Physics, Mathematical)

93.- INTERFACE CHEMISTRY EFFECTS IN NANOFLUIDS: EXPERIMENTAL AND COMPUTATIONAL STUDY OF OIL-BASED NANOFLUIDS WITH GOLD NANOPLATES
Carrillo-Berdugo, I.; Sampalo-Guzmán, J.; Grau-Crespo, R.; Zorrilla, D.; Navas, J.;
Journal of Molecular Liquids, Vol.362, Issue -, pp – (2022)
DOI: 10.1016/j.molliq.2022.119762
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

94.- INDUCED DAMAGE DURING STEM-EELS ANALYSES ON ACRYLIC-BASED MATERIALS FOR STEREOLITHOGRAPHY
Valencia, L.M.; de la Mata, M.; Herrera, M.; Delgado, F.J.; Hernández-Saz, J.; Molina, S.I.;
Polymer Degradation and Stability, Vol.203, Issue -, pp – (2022)
DOI: 10.1016/j.polymdegradstab.2022.110044
Factor de Impacto: JCR(5,030), SJR(0,925)
Posición en categoría JCR: 12/88 Q1 T1 D2 (Polymer Science)

95.- NIO NANOWIRE-CONTAINING HEAT TRANSFER NANOFLUIDS FOR CSP PLANTS: EXPERIMENTS AND SIMULATIONS TO PROMOTE THEIR APPLICATION
De los Santos, D.M.; Carrillo-Berdugo, I.; Domínguez-Núñez, A.; Poce-Fatou, J.A.; Zorrilla, D.; Navas, J.;
Journal of Molecular Liquids, Vol.361, Issue -, pp – (2022)
DOI: 10.1016/j.molliq.2022.119593
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

96.- ANISOTROPIC OPTICAL PROPERTIES OF INDIUM TIN OXIDE THIN FILMS PREPARED BY ION BEAM SPUTTERING UNDER OBLIQUE ANGLE DEPOSITION
Hurand, S.; Corvisier, A.; Lacroix, B.; Santos, A.J.; Maudet, F.; Dupeyrat, C.; Roja, R.G.; Morales, F.M.; Girardeau, T.; Paumier, F.;
Applied Surface Science, Vol.595, Issue -, pp – (2022)
DOI: 10.1016/j.apsusc.2022.152945
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 30/160 Q1 T1 D2 (Physics, Applied)

97.- NI-CE-ZRO_2 SYSTEM AS ANODE MATERIAL FOR DIRECT INTERNAL REFORMING BIOGAS SOLID OXIDE FUEL CELLS
Escudero, M.J.; Valero, C.; Cauqui, M.Á.; Goma, D.; Yeste, M.P.;
Fuel, Vol.322, Issue -, pp – (2022)
DOI: 10.1016/j.fuel.2022.124247
Factor de Impacto: JCR(6,609), SJR(1,560)
Posición en categoría JCR: 27/114 Q1 T1 D3 (Energy & Fuels)

98.- CLAY HONEYCOMB MONOLITHS FOR THE SIMULTANEOUS RETENTION OF LEAD AND CADMIUM IN WATER
Ahrouch, M.; Gatica, J.M.; Draoui, K.; Bellido-Milla, D.; Vidal, H.;
Environmental Technology and Innovation, Vol.27, Issue -, pp – (2022)
DOI: 10.1016/j.eti.2022.102765
Factor de Impacto: JCR(5,263), SJR(0,866)
Posición en categoría JCR: 31/159 Q1 T1 D2 (Biotechnology & Applied Microbiology)

99.- PHOTOCATALYTIC TIO_2 NANOSHEETS-SIO_2 COATINGS ON CONCRETE AND LIMESTONE: AN ENHANCEMENT OF DE-POLLUTING AND SELF-CLEANING PROPERTIES BY NANOPARTICLE DESIGN
Luna, M.; Delgado, J.J.; Romero, I.; Montini, T.; Almoraima Gil, M.L.; Martínez-López, J.; Fornasiero, P.; Mosquera, M.J.;
Construction and Building Materials, Vol.338, Issue -, pp – (2022)
DOI: 10.1016/j.conbuildmat.2022.127349
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 86/335 Q2 T1 D3 (Materials Science, Multidisciplinary)

100.- CATALYTIC OXIDATION OF CARBON MONOXIDE OVER CEO_2 AND LA_2O_3 OXIDES SUPPORTED NICKEL CATALYSTS: THE EFFECT OF THE SUPPORT AND NIO LOADING
Benrabaa, R.; Fares, A.; Fodil Cherif, N.; Gouasmia, A.; Yeste, P.; Cauqui, M.A.;
ChemistrySelect, Vol.7, Issue 22, pp – (2022)
DOI: 10.1002/slct.202104133
Factor de Impacto: JCR(2,109), SJR(0,437)
Posición en categoría JCR: 116/179 Q3 T2 D7 (Chemistry, Multidisciplinary)

101.- IMPROVING THE REDUCIBILITY OF CEO_2/TIO_2 BY HIGH-TEMPERATURE REDOX TREATMENT: THE KEY ROLE OF ATOMICALLY THIN CEO_2 SURFACE LAYERS
Manzorro, R.; Montes-Monroy, J.M.; Goma-Jiménez, D.; Calvino, J.J.; Pérez-Omil, J.A.; Trasobares, S.;
Journal of Materials Chemistry A, Vol.10, Issue 24, pp 13074-13087 (2022)
DOI: 10.1039/d1ta08348a
Factor de Impacto: JCR(12,732), SJR(3,637)
Posición en categoría JCR: 29/335 Q1 T1 D1 (Materials Science, Multidisciplinary)

102.- HYDROGEN IMPLANTATION-INDUCED BLISTERING IN DIAMOND: TOWARD DIAMOND LAYER TRANSFER BY THE SMART CUT™ TECHNIQUE
Masante, C.; de Vecchy, J.; Mazen, F.; Milesi, F.; Di Cioccio, L.; Pernot, J.; Lloret, F.; Araujo, D.; Pinero, J.C.; Rochat, N.; Pierre, F.; Servant, F.; Widiez, J.; Diamond and Related Materials, Vol.126, Issue -, pp – (2022)
DOI: 10.1016/j.diamond.2022.109085
Factor de Impacto: JCR(3,315), SJR(0,651)
Posición en categoría JCR: 53/160 Q2 T1 D4 (Physics, Applied)

103.- COOPERATIVE ROLE OF COBALT AND GALLIUM UNDER THE ETHANOL STEAM REFORMING ON CO/CEGAOX

Fornero, E.L.; Vecchietti, J.; Boucinha Rodrigues, M.; Hernández-Garrido, J.C.; Bonivardi, A.L.;
International Journal of Hydrogen Energy, Vol.47, Issue 41, pp 18018-18031 (2022)
DOI: 10.1016/j.ijhydene.2022.03.278
Factor de Impacto: JCR(5,816), SJR(1,212)
Posición en categoría JCR: 37/114 Q2 T1 D4 (Energy & Fuels)

104.- SELF-ASSEMBLY OF $CSPBBR_3$PEROVSKITES IN MICROPATTERNED POLYMERIC SURFACES: TOWARD LUMINESCENT MATERIALS WITH SELF-CLEANING PROPERTIES
S. De León, A.; De La Mata, M.; Sanchez-Alarcon, I.R.; Abargues, R.; Molina, S.I.;
ACS applied materials & interfaces, Vol.14, Issue 17, pp 20023-20031 (2022)
DOI: 10.1021/acsami.2c01567
Factor de Impacto: JCR(9,229), SJR(2,535)
Posición en categoría JCR: 21/107 Q1 T1 D2 (Nanoscience & Nanotechnology)

105.- REACTIVITY OF VANADIUM NANOPARTICLES WITH OXYGEN AND TUNGSTEN
Morales, F.M.; Escanciano, M.; Yeste, M.P.; Santos, A.J.;
Nanomaterials, Vol.12, Issue 9, pp – (2022)
DOI: 10.3390/nano12091471
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 51/107 Q2 T2 D5 (Nanoscience & Nanotechnology)

106.- ITACONIC-ACID-BASED SUSTAINABLE POLY(ESTER AMIDE) RESIN FOR STEREOLITHOGRAPHY
Vetri Buratti, V.; Sanz De Leon, A.; Maturi, M.; Sambri, L.; Molina, S.I.; Comes Franchini, M.;
Macromolecules, Vol.55, Issue 8, pp 3087-3095 (2022)
DOI: 10.1021/acs.macromol.1c02525
Factor de Impacto: JCR(5,985), SJR(1,994)
Posición en categoría JCR: 8/88 Q1 T1 D1 (Polymer Science)

107.- NANOCRYSTALLINE $BACO_3(VO_4)_2(OH)_2$ WITH A KAGOME LATTICE OF CO(II) IONS: SYNTHESIS, CRYSTAL STRUCTURE AND MAGNETIC PROPERTIES
Dessapt, R.; Lajaunie, L.; Calvino, J.J.; Deniard, P.; Trenque, I.; Payen, C.;
Journal of Materials Chemistry C, Vol.10, Issue 9, pp 3287-3291 (2022)
DOI: 10.1039/d1tc04372b
Factor de Impacto: JCR(7,393), SJR(1,899)
Posición en categoría JCR: 65/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

108.- SOLVOTHERMAL SYNTHESIS AND CHARACTERIZATION OF YTTERBIUM/IRON MIXED OXIDE NANOPARTICLES WITH POTENTIAL FUNCTIONALITIES FOR APPLICATIONS AS MULTIPLATFORM CONTRAST AGENT IN MEDICAL IMAGE TECHNIQUES
Yeste, M.P.; Fernández-Ponce, C.; Félix, E.; Tinoco, M.; Fernández-Cisnal, R.; García-Villar, C.; Pfaff, C.; Kriwet, J.; Natividad, E.; Cauqui, M.A.; Garcia-Cozar, F.; Litrán, R.; Bomati-Miguel, O.;
Ceramics International, Vol.-, Issue -, pp – (2022)
DOI: 10.1016/j.ceramint.2022.06.194

Factor de Impacto: JCR(4,527), SJR(0,936)
Posición en categoría JCR: 3/29 Q1 T1 D2 (Materials Science, Ceramics)

109.- INFLUENCE OF A PRE-CONSOLIDATION TREATMENT ON THE DESALINATION EFFECTIVENESS OF A HIGHLY DETERIORATED GRANITE FAÇADE OF MEDIEVAL AGE
Feijoo, J.; de Rosario, I.; Rivas, T.; Mosquera, M.J.; Benavides, R.;
International Journal of Architectural Heritage, Vol.-, Issue -, pp – (2022)
DOI: 10.1080/15583058.2022.2086506
Factor de Impacto: JCR(2,580), SJR(0,719)
Posición en categoría JCR: 63/136 Q2 T2 D5 (Engineering, Civil)

110.- QUANTITATIVE EVALUATION OF SUPPORTED CATALYSTS KEY PROPERTIES FROM ELECTRON TOMOGRAPHY STUDIES: ASSESSING ACCURACY USING MATERIAL-REALISTIC 3D-MODELS
Bouzaine, A.; Muñoz-Ocaña, J.M.; Rodríguez-Chia, A.; Hungría, A.B.; Calvino, J.J.; López-Haro, M.;
Topics in Catalysis, Vol.-, Issue -, pp – (2022)
DOI: 10.1007/s11244-022-01634-1
Factor de Impacto: JCR(2,910), SJR(0,732)
Posición en categoría JCR: 32/74 Q2 T2 D5 (Chemistry, Applied)

111.- LOW-TEMPERATURE GROWTH OF REACTIVE PYROCHLORE NANOSTRUCTURES ON ZIRCONIA-SUPPORTED CERIA: IMPLICATIONS FOR IMPROVED CATALYTIC BEHAVIOR
Yeste, M.P.; Hernández-Garrido, J.C.; Kumke, M.U.; Alvarado, S.; Cauqui, M.A.; Calvino, J.J.; Primus, P.A.;
ACS Applied Nano Materials, Vol.-, Issue -, pp – (2022)
DOI: 10.1021/acsanm.2c00416
Factor de Impacto: JCR(5,097), SJR(1,227)
Posición en categoría JCR: 48/107 Q2 T2 D5 (Nanoscience & Nanotechnology)

112.- DYE DECOMPOSITION AND AIR DE-POLLUTION PERFORMANCE OF TIO_2/SIO_2 AND N-TIO_2/SIO_2 PHOTOCATALYSTS COATED ON PORTLAND CEMENT MORTAR SUBSTATES
Khannyra, S.; Gil, M.L.A.; Addou, M.; Mosquera, M.J.;
Environmental Science and Pollution Research, Vol.-, Issue -, pp – (2022)
DOI: 10.1007/s11356-022-20228-8
Factor de Impacto: JCR(4,223), SJR(0,845)
Posición en categoría JCR: 91/274 Q2 T1 D4 (Environmental Sciences)

113.- HONEYCOMB MONOLITHIC DESIGN TO ENHANCE THE PERFORMANCE OF NI-BASED CATALYSTS FOR DRY REFORMING OF METHANE
Agueniou, F.; Vidal, H.; Yeste, M.P.; Hernández-Garrido, J.C.; Cauqui, M.A.; Rodríguez-Izquierdo, J.M.; Calvino, J.J.; Gatica, J.M.;
Catalysis Today, Vol.383, Issue -, pp 226-235 (2022)
DOI: 10.1016/j.cattod.2020.07.030
Factor de Impacto: JCR(6,766), SJR(1,397)
Posición en categoría JCR: 19/143 Q1 T1 D2 (Engineering, Chemical)

114.- STUDYING THE DOSAGE-DEPENDENT INFLUENCE OF HYDROPHOBIC ALKOXYSILANE/SILOXANE ADMIXTURES ON THE PERFORMANCE OF REPAIR MICROMORTARS
Garcia-Lodeiro, I.; Gonzalez-Aguza, S.; Zarzuela, R.; Pardos, Y.; Garcia-Navarro, R.; Tébar, A.; Mosquera, M.J.; Blanco-Varela, M.T.;
Journal of Building Engineering, Vol.48, Issue -, pp 103905(1)-103905(17) (2022)
DOI: 10.1016/j.jobe.2021.103905
Factor de Impacto: JCR(5,318), SJR(0,974)
Posición en categoría JCR: 13/66 Q1 T1 D2 (Construction & Building Technology)

115.- TRACKING THE OPTICAL CONSTANTS OF POROUS VANADIUM DIOXIDE THIN FILMS DURING METAL–INSULATOR TRANSITION: INFLUENCE OF PROCESSING CONDITIONS ON THEIR APPLICATION IN SMART GLASSES
Outón, J.; Blanco, E.; Domínguez, M.; Bakkali, H.; Gonzalez-Leal, J.M.; Delgado, J.J.; Ramírez-del-Solar, M.;
Applied Surface Science, Vol.580, Issue -, pp 152228(1)-152228(14)
DOI: 10.1016/j.apsusc.2021.152228
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 30/160 Q1 T1 D2 (Physics, Applied)

116.- COMPUTATIONAL APPROACH AND ULTRASOUND PROBE–ASSISTED SYNTHESIS OF MAGNETIC MOLECULARLY IMPRINTED POLYMER FOR THE ELECTROCHEMICAL DETECTION OF BISPHENOL A
Lamaoui, A.; María Palacios-Santander, J.; Amine, A.; Cubillana-Aguilera, L.;
Materials Science and Engineering B: Solid-State Materials for Advanced Technology, Vol.277, Issue -, pp 115568(1)-115568(12) (2022)
DOI: 10.1016/j.mseb.2021.115568
Factor de Impacto: JCR(4,051), SJR(0,850)
Posición en categoría JCR: 21/69 Q2 T1 D4 (Physics, Condensed Matter)

117.- UNRAVELLING THE ATOMICALLY RESOLVED 3D SHAPE OF {111}, {010}, AND {001} FACETED SMALL ANATASE NANOPARTICLES
Banerjee, P.; Roy, C.; Santos, A.J.; De, S.K.; Morales, F.M.; Bhattacharyya, S.;
Materials Today Nano, Vol.17, Issue -, pp 100153(1)-100153(11) (2022)
DOI: 10.1016/j.mtnano.2021.100153
Factor de Impacto: JCR(8,109), SJR(2,869)
Posición en categoría JCR: 54/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

118.- NEW FINDINGS REGARDING THE ROLE OF COPPER ENTITY PARTICLE SIZE ON THE PERFORMANCE OF CU/CERIA-BASED CATALYSTS IN THE CO-PROX REACTION
Martínez-Munuera, J.C.; Giménez-Mañogil, J.; Yeste, M.P.; Hungría, A.B.; Cauqui, M.A.; García-García, A.; Calvino, J.J.;
Applied Surface Science, Vol.575, Issue -, pp 151717(1)-151717(10) (2022)
DOI: 10.1016/j.apsusc.2021.151717
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 30/160 Q1 T1 D2 (Physics, Applied)

119.- FFECT OF THE ALAS CAPPING LAYER THICKNESS ON THE STRUCTURE OF INAS/GaAs QD
Ruiz-Marín, N.; Reyes, D.F.; Stanojević, L.; Ben, T.; Braza, V.; Gallego-Carro, A.; Bárcena-González, G.; Ulloa, J.M.; González, D.;
Applied Surface Science, Vol.573, Issue -, pp 151572(1)-151572(11) (2022)
DOI: 10.1016/j.apsusc.2021.151572
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 30/160 Q1 T1 D2 (Physics, Applied)

120.- CERAMIC POLYANILINE-CARBON COMPOSITE OBTAINED BY ULTRASOUND-ASSISTED SOL–GEL ROUTE: ELECTROCHEMICAL PERFORMANCE TOWARDS ENVIRONMENTAL POLLUTANTS
López-Iglesias, D.; Fanelli, F.; Marchi, L.; Alcántara, R.; Cocchi, M.; Cubillana-Aguilera, L.; Palacios-Santander, J.M.; García-Guzmán, J.J.;
Journal of Electroanalytical Chemistry, Vol.905, Issue -, pp 1159712 (1)-1159712 (12) (2022)
DOI: 10.1016/j.jelechem.2021.115971
Factor de Impacto: JCR(4,464), SJR(0,845)
Posición en categoría JCR: 20/83 Q1 T1 D3 (Chemistry, Analytical)

121.- IMPROVING NOBLE METAL CATALYTIC ACTIVITY IN THE DRY REFORMING OF METHANE BY ADDING NIOBIUM
Ballesteros-Plata, D.; Infantes-Molina, A.; Rodríguez-Castellón, E.; Cauqui, M.A.; Yeste, M.P.;
Fuel, Vol.308, Issue -, pp 121996(1)-121996(10) (2022)
DOI: 10.1016/j.fuel.2021.121996
Factor de Impacto: JCR(6,609), SJR(1,560)
Posición en categoría JCR: 27/114 Q1 T1 D3 (Energy & Fuels)

122.- A SENSITIVE ELECTROCHEMICAL SENSOR BASED ON SONOGEL-CARBON MATERIAL ENRICHED WITH GOLD NANOPARTICLES FOR MELATONIN DETERMINATION
Lete, C.; López-iglesias, D.; García-guzmán, J.J.; Leau, S.A.; Stanciu, A.E.; Marin, M.; Palacios-santander, J.M.; Lupu, S.; Cubillana-aguilera, L.;
Sensors, Vol.22, Issue 1, pp 120(1)-120(16) (2022)
DOI: 10.3390/s22010120
Factor de Impacto: JCR(3,576), SJR(0,636)
Posición en categoría JCR: 14/64 Q1 T1 D3 (Instruments & Instrumentation)

123.- TRANSPORT MECHANISM IN O-TERMINATED DIAMOND/ZrO_2 BASED MOSCAPS
Soto, B.; Cañas, J.; Villar, M.P.; Araujo, D.; Pernot, J.;
Diamond and Related Materials, Vol.121, Issue -, pp 108745(1)-108745(7) (2022)
DOI: 10.1016/j.diamond.2021.108745
Factor de Impacto: JCR(3,315), SJR(0,651)
Posición en categoría JCR: 53/160 Q2 T1 D4 (Physics, Applied)

2021

124.- TUTORIAL: STRUCTURAL CHARACTERIZATION OF ISOLATED METAL ATOMS AND SUBNANOMETRIC METAL CLUSTERS IN ZEOLITES
L. Liu, M. López-Haro, J.J. Calvino, A. Corma
Nature Protocols, 16 (), 1871–1906 (2021)
DOI: http://doi.org/10.1038/s41596-020-0366-9
Factor de Impacto: JCR(13,491), SJR(7,471)
Posición en categoría JCR: 2/77 Q1 T1 D1 (Biochemical Research Methods)

125.- CHEMISTRY OF THE INTERACTION BETWEEN AN ALKOXYSILANE-BASED IMPREGNATION TREATMENT AND CEMENTITIOUS PHASES
I. Garcia-Lodeiro, P.M. Carmona-Quiroga, R. Zarzuela, M.J. Mosquera, M.T. Blanco-Varela
Cement and Concrete Research, 142 (2021)
DOI: http://doi.org/10.1016/j.cemconres.2020.106351
Factor de Impacto: JCR(10,933), SJR(4,628)
Posición en categoría JCR: 2/66 Q1 T1 D1 (Construction & Building Technology)

126.- INTERFACIAL MOLECULAR LAYERING ENHANCES SPECIFIC HEAT OF NANOFLUIDS: EVIDENCE FROM MOLECULAR DYNAMICS
I. Carrillo-Berdugo, R. Grau-Crespo, D. Zorrilla, J. Navas
Journal of Molecular Liquids, 325 (2021)
DOI: http://doi.org/10.1016/j.molliq.2020.115217
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

127.- CUXO AND CARBON–MODIFIED TiO2–BASED HYBRID MATERIALS FOR PHOTOCATALYTICALLY ASSISTED H2 GENERATION
D.M. Tobaldi, K. Kočí, M. Edelmannová, L. Lajaunie, B. Figueiredo, J.J. Calvino, M.P. Seabra, J.A. Labrincha Materials Today Energy, 19 (2021)
DOI: http://doi.org/10.1016/j.mtener.2020.100607
Factor de Impacto: JCR(7,311), SJR(1,843)
Posición en categoría JCR: 20/114 Q1 T1 D2 (Energy & Fuels)

128.- A NOVEL ELECTROCHEMICAL SENSOR MODIFIED WITH GREEN GOLD SONONANOPARTICLES AND CARBON BLACK NANOCOMPOSITE FOR BISPHENOL A DETECTION
S. Jebril, L. Cubillana-Aguilera, J.M. Palacios-Santander, C. Dridi
Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 264 (2021)
DOI: http://doi.org/10.1016/j.mseb.2020.114951
Factor de Impacto: JCR(4,051), SJR(0,85)
Posición en categoría JCR: 21/69 Q2 T1 D4 (Physics, Condensed Matter)

129.- ATOMICALLY RESOLVED TOMOGRAPHIC RECONSTRUCTION OF NANOPARTICLES FROM SINGLE PROJECTION: INFLUENCE OF AMORPHOUS CARBON SUPPORT
P. Banerjee, C. Roy, S.K. De, A.J. Santos, F.M. Morales, S. Bhattacharyya

Ultramicroscopy, 221, 113177[1]-146312[15] (2021)
DOI: http://doi.org/10.1016/j.ultramic.2020.113177
Factor de Impacto: JCR(2,689), SJR(1,29)
Posición en categoría JCR: 4/9 Q2 T2 D5 (Microscopy)

130.- IMPACT OF METHANE CONCENTRATION ON SURFACE MORPHOLOGY AND BORON INCORPORATION OF HEAVILY BORON-DOPED SINGLE CRYSTAL DIAMOND LAYERS
R. Rouzbahani, S.S. Nicley, D.E.P. Vanpoucke, F. Lloret, P. Pobedinskas, D. Araújo, K. Haenen
Carbon, 172, 463-473 (2021)
DOI: http://doi.org/10.1016/j.carbon.2020.10.061
Factor de Impacto: JCR(9,594), SJR(2,25)
Posición en categoría JCR: 42/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

131.- GRAPHENE-TiO2 HYBRIDS FOR PHOTOCATALYTIC AIDED REMOVAL OF VOCS AND NITROGEN OXIDES FROM OUTDOOR ENVIRONMENT
D.M. Tobaldi, D. Dvoranová, L. Lajaunie, N. Rozman, B. Figueiredo, M.P. Seabra, A.S. Škapin, J.J. Calvino, V. Brezová, J.A. Labrincha
Chemical Engineering Journal, 405 (2021)
DOI: http://doi.org/10.1016/j.cej.2020.126651
Factor de Impacto: JCR(13,273), SJR(2,528)
Posición en categoría JCR: 4/143 Q1 T1 D1 (Engineering, Chemical)

132.- COMPREHENSIVE NANOSCOPIC ANALYSIS OF TUNGSTEN CARBIDE/OXYGENATED-DIAMOND CONTACTS FOR SCHOTTKY BARRIER DIODES
G. Alba, D. Leinen, M.P. Villar, R. Alcántara, J.C. Piñero, A. Fiori, T. Teraji, D. Araújo
Applied Surface Science, 537 (2021)
DOI: http://doi.org/10.1016/j.apsusc.2020.147874
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

133.- EVALUATION OF DIFFERENT CAPPING STRATEGIES IN THE INAS/GAAS QD SYSTEM: COMPOSITION, SIZE AND QD DENSITY FEATURES
D. González, S. Flores, N. Ruiz-Marín, D.F. Reyes, L. Stanojević, A.D. Utrilla, A. Gonzalo, A. Gallego Carro, J.M. Ulloa, T. Ben
Applied Surface Science, 537 (2021)
DOI: http://doi.org/10.1016/j.apsusc.2020.148062
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

134.- NANOSCALE ANATOMY OF IRON-SILICA SELF-ORGANIZED MEMBRANES: IMPLICATIONS FOR PREBIOTIC CHEMISTRY
E. Kotopoulou, M. López-Haro, J.J. Calvino Gamez, J.M. García-Ruiz
Angewandte Chemie - International Edition, 60 (3), 1396-1402 (2021)
DOI: http://doi.org/10.1002/anie.202012059

Factor de Impacto: JCR(15,336), SJR(5,831)
Posición en categoría JCR: 16/179 Q1 T1 D1 (Chemistry, Multidisciplinary)

135.- SELECTIVE SYNTHESIS OF CARBON NANOTUBES BY CATALYTIC DECOMPOSITION OF METHANE USING CO-CU/CELLULOSE DERIVED CARBON CATALYSTS: A COMPREHENSIVE KINETIC STUDY
W. Henao, F. Cazaña, P. Tarifa, E. Romeo, N. Latorre, V. Sebastian, J.J. Delgado, A. Monzón
Chemical Engineering Journal, 404 (2021)
DOI: http://doi.org/10.1016/j.cej.2020.126103
Factor de Impacto: JCR(13,273), SJR(2,528)
Posición en categoría JCR: 4/143 Q1 T1 D1 (Engineering, Chemical)

136.- 3D-PRINTING OF METALLIC HONEYCOMB MONOLITHS AS A DOORWAY TO A NEW GENERATION OF CATALYTIC DEVICES: THE NI-BASED CATALYSTS IN METHANE DRY REFORMING SHOWCASE
F. Agueniou, H. Vidal, J. de Dios López, J.C. Hernández-Garrido, M.A. Cauqui, F.J. Botana, J.J. Calvino, V.V. Galvita, J.M. Gatica
Catalysis Communications, 148 (2021)
DOI: http://doi.org/10.1016/j.catcom.2020.106181
Factor de Impacto: JCR(3,626), SJR(0,8)
Posición en categoría JCR: 78/162 Q2 T2 D5 (Chemistry, Physical)

137.- OPTIMIZED PREPARATION OF WASHCOATED CLAY HONEYCOMB MONOLITHS AS SUPPORT OF MANGANESE CATALYSTS FOR ACETONE TOTAL COMBUSTION
C. De los Santos, H. Vidal, J.M. Gatica, M.P. Yeste, G. Cifredo, J. Castiglioni
Microporous and Mesoporous Materials, 310 (2021)
DOI: http://doi.org/10.1016/j.micromeso.2020.110651
Factor de Impacto: JCR(5,455), SJR(1,079)
Posición en categoría JCR: 12/74 Q1 T1 D2 (Chemistry, Applied)

138.- INVESTIGATION OF ALINASSB/GASB TANDEM CELLS – A FIRST STEP TOWARDS GASB-BASED MULTI- JUNCTION SOLAR CELLS
J. Kret, J. Tournet, S. Parola, F. Martínez, D. Chemisana, R. Morin, M.d.l. Mata, N. Fernández-Delgado, A.A. Khan, S.I. Molina, Y. Rouillard, E. Tournié, Y. Cuminal
Solar Energy Materials and Solar Cells, 219, 110795(1)-110795(8) (2021)
DOI: http://doi.org/10.1016/j.solmat.2020.110795
Factor de Impacto: JCR(7,267), SJR(1,839)
Posición en categoría JCR: 28/160 Q1 T1 D2 (Physics, Applied)

139.- SUSTAINABLE PHOTOCATALYTIC SYNTHESIS OF BENZIMIDAZOLES
T. Montini, V. Gombac, J.J. Delgado, A.M. Venezia, G. Adami, P. Fornasiero
Inorganica Chimica Acta, 520, 120289(1)-120289(10) (2021)
DOI: http://doi.org/10.1016/j.ica.2021.120289
Factor de Impacto: JCR(2,545), SJR(0,437)
Posición en categoría JCR: 19/45 Q2 T2 D5 (Chemistry, Inorganic & Nuclear)

140.- EFFECTS OF SURFACE FUNCTIONALIZATION WITH ALKYLALKOXYSILANES ON THE STRUCTURE, VISIBLE LIGHT PHOTOACTIVITY AND BIOCIDAL PERFORMANCE OF Ag-TiO2 NANOPARTICLES
R. Zarzuela, I. Moreno-Garrido, M.L.A. Gil, M.J. Mosquera
Powder Technology, 383, 381-395 (2021)
DOI: http://doi.org/10.1016/j.powtec.2021.01.050
Factor de Impacto: JCR(5,134), SJR(1,079)
Posición en categoría JCR: 30/143 Q1 T1 D3 (Engineering, Chemical)

141.- MOLECULARLY IMPRINTED POLYMERS BASED ON POLYDOPAMINE: ASSESSMENT OF NON-SPECIFIC ADSORPTION
A. Lamaoui, J.M. Palacios-Santander, A. Amine, L. Cubillana-Aguilera
Microchemical Journal, 164, 106043(1)-106043(10) (2021)
DOI: http://doi.org/10.1016/j.microc.2021.106043
Factor de Impacto: JCR(4,821), SJR(0,753)
Posición en categoría JCR: 16/83 Q1 T1 D2 (Chemistry, Analytical)

142.- REDUCING P-TYPE SCHOTTKY CONTACT BARRIER IN METAL/ZNO HETEROSTRUCTURE THROUGH NI- DOPING
A. El Haimeur, A. Slassi, A. Pershin, D. Cornil, M. Makha, E. Blanco, M. Dominguez, H. Bakkali
Applied Surface Science, 545, 149023(1)-149023(7) (2021)
DOI: http://doi.org/10.1016/j.apsusc.2021.149023
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

143.- ANTI-FOULING NANO-AG/SIO2 ORMOSIL TREATMENTS FOR BUILDING MATERIALS: THE ROLE OF CELL- SURFACE INTERACTIONS ON TOXICITY AND BIORECEPTIVITY
M. Domínguez, R. Zarzuela, I. Moreno-Garrido, M. Carbú, J.M. Cantoral, M.J. Mosquera, M.L.A. Gil
Progress in Organic Coatings, 153, 106120(1)-106120(11) (2021)
DOI: http://doi.org/10.1016/j.porgcoat.2020.106120
Factor de Impacto: JCR(5,161), SJR(0,919)
Posición en categoría JCR: 2/21 Q1 T1 D1 (Materials Science, Coatings & Films)

144.- ONE-MINUTE AND GREEN SYNTHESIS OF MAGNETIC IRON OXIDE NANOPARTICLES ASSISTED BY DESIGN OF EXPERIMENTS AND HIGH ENERGY ULTRASOUND: APPLICATION TO BIOSENSING AND IMMUNOPRECIPITATION
C.H. Pérez-Beltrán, J.J. García-Guzmán, B. Ferreira, O. Estévez-Hernández, D. López-Iglesias, L. Cubillana- Aguilera, W. Link, N. Stănică, A.M. Rosa da Costa, J.M. Palacios-Santander
Materials Science and Engineering C, 123, 112023(1)-112023(14) (2021)
DOI: http://doi.org/10.1016/j.msec.2021.112023
Factor de Impacto: JCR(7,328), SJR(1,234)
Posición en categoría JCR: 7/40 Q1 T1 D2 (Materials Science, Biomaterials)

145. SUPERFICIAL CHARACTERISTICS AND FUNCTIONALIZATION EFFECTIVENESS OF NON-TOXIC GLUTATHIONE-CAPPED MAGNETIC, FLUORESCENT, METALLIC AND HYBRID NANOPARTICLES FOR BIOMEDICAL APPLICATIONS
C. Fernández-Ponce, J.M. Mánuel, R. Fernández-Cisnal, E. Félix, J. Beato-López, J.P. Muñoz-Miranda, A.M. Beltrán, A.J. Santos, F.M. Morales, M.P. Yeste, O. Bomati-Miguel, R. Litrán, F. García-Cózar
Metals, 11 (3), 383(1)-383(24) (2021)
DOI: http://doi.org/10.3390/met11030383
Factor de Impacto: JCR(2,351), SJR(0,57)
Posición en categoría JCR: 24/80 Q2 T1 D3 (Metallurgy & Metallurgical Engineering)

146.- ONE-STEP ENCAPSULATION OF ORTHO-DISULFIDES IN FUNCTIONALIZED ZINC MOF. ENABLING METAL−ORGANIC FRAMEWORKS IN AGRICULTURE
F.J.R. Mejías, S. Trasobares, R.M. Varela, J.M.G. Molinillo, J.J. Calvino, F.A. Macías
ACS applied materials & interfaces, 13 (7), 7997-8005 (2021)
DOI: http://doi.org/10.1021/acsami.0c21488
Factor de Impacto: JCR(9,229), SJR(2,535)
Posición en categoría JCR: 44/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

147.- INTERFACIAL PASSIVATION OF PEROVSKITE SOLAR CELLS BY REACTIVE ION SCAVENGERS
H. Teymourinia, C. Gonzales, J.J. Gallardo, M. Salavati-Niasari, J. Bisquert, J. Navas, A. Guerrero
ACS Applied Energy Materials, 4 (2), 1078-1084 (2021)
DOI: http://doi.org/10.1021/acsaem.0c01804
Factor de Impacto: JCR(6,024), SJR(1,833)
Posición en categoría JCR: 87/335 Q2 T1 D3 (Materials Science, Multidisciplinary)

148.- SOLUBLE/MOF-SUPPORTED PALLADIUM SINGLE ATOMS CATALYZE THE LIGAND-, ADDITIVE-, AND SOLVENT-FREE AEROBIC OXIDATION OF BENZYL ALCOHOLS TO BENZOIC ACIDS
E. Tiburcio, R. Greco, M. Mon, J. Ballesteros-Soberanas, J. Ferrando-Soria, M. López-Haro, J.C. Hernández- Garrido, J. Oliver-Meseguer, C. Marini, M. Boronat, D. Armentano, A. Leyva-Pérez, E. Pardo
Journal of the American Chemical Society, 143 (6), 2581-2592 (2021)
DOI: http://doi.org/10.1021/jacs.0c12367
Factor de Impacto: JCR(15,419), SJR(7,115)

149.- DISLOCATION GENERATION MECHANISMS IN HEAVILY BORON-DOPED DIAMOND EPILAYERS
D. Araujo, F. Lloret, G. Alba, M.P. Alegre, M.P. Villar
Applied Physics Letters, 118 (5) (2021)
DOI: http://doi.org/10.1063/5.0031476
Factor de Impacto: JCR(3,791), SJR(1,182)
Posición en categoría JCR: 47/160 Q2 T1 D3 (Physics, Applied)

150.- THERMOCATALYTIC CO2 CONVERSION OVER A NICKEL-LOADED CERIA NANOSTRUCTURED CATALYST: A NAP-XPS STUDY
A. Barroso-Bogeat, G. Blanco, J.J. Pérez-Sagasti, C. Escudero, E. Pellegrin, F.C. Herrera, J.M. Pintado Materials, 14 (4), 1-19 (2021)
DOI: http://doi.org/10.3390/ma14040711
Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

151.- CHARACTERISATION OF HIGH TEMPERATURE OXIDATION PHENOMENA DURING AISI 430 STAINLESS STEEL MANUFACTURING UNDER A CONTROLLED H2 ATMOSPHERE FOR BRIGHT ANNEALING
I.C. García, A.N. Galindo, J.F. Almagro Bello, J.M. González Leal, J.F. Botana Pedemonte Metals, 11 (2), 1-16 (2021)
DOI: http://doi.org/10.3390/met11020191
Factor de Impacto: JCR(2,351), SJR(0,57)
Posición en categoría JCR: 24/80 Q2 T1 D3 (Metallurgy & Metallurgical Engineering)

152.- A SnO2 SHELL FOR HIGH ENVIRONMENTAL STABILITY OF AG NANOWIRES APPLIED FOR THERMAL MANAGEMENT
A. Baranowska-Korczyc, E. Mackiewicz, K. Ranoszek-Soliwoda, A. Nejman, S. Trasobares, J. Grobelny, M. Cieślak, G. Celichowski
RSC Advances, 11 (7), 4174-4185 (2021)
DOI: http://doi.org/10.1039/d0ra10040d
Factor de Impacto: JCR(3,361), SJR(0,746)
Posición en categoría JCR: 81/179 Q2 T2 D5 (Chemistry, Multidisciplinary)

153.- SELECTIVELY BORON DOPED HOMOEPITAXIAL DIAMOND GROWTH FOR POWER DEVICE APPLICATIONS
F. Lloret, D. Eon, E. Bustarret, F. Donatini, D. Araujo
Applied Physics Letters, 118 (2) (2021)
DOI: http://doi.org/10.1063/5.0031478
Factor de Impacto: JCR(3,791), SJR(1,182)
Posición en categoría JCR: 47/160 Q2 T1 D3 (Physics, Applied)

154.- OPTICAL AND TRANSPORT PROPERTIES OF METAL-OIL NANOFLUIDS FOR THERMAL SOLAR INDUSTRY: EXPERIMENTAL CHARACTERIZATION, PERFORMANCE ASSESSMENT, AND MOLECULAR DYNAMICS INSIGHTS
I. Carrillo-Berdugo, P. Estellé, E. Sani, L. Mercatelli, R. Grau-Crespo, D. Zorrilla, J. Navas ACS Sustainable Chemistry and Engineering, 9 (11), 4194-4205 (2021)
DOI: http://doi.org/10.1021/acssuschemeng.1c00053
Factor de Impacto: JCR(8,198), SJR(1,878)
Posición en categoría JCR: 14/143 Q1 T1 D1 (Engineering, Chemical)

155.- HIGHLY SENSITIVE NANOPLATFORM BASED ON GREEN GOLD SONONANOPARTICLES FOR PHENOL DETERMINATION IN OLIVE OIL
S. Jebril, A. Sierra-Padilla, J.J. García-Guzmán, L. Cubillana-Aguilera, J.M. Palacios-Santander, C. Dridi Journal of Applied Electrochemistry, 51, 879–892 (2021)

DOI: http://doi.org/10.1007/s10800-021-01544-2
Factor de Impacto: JCR(2,8), SJR(0,595)
Posición en categoría JCR: 18/29 Q3 T2 D7 (Electrochemistry)

156.- CONSOLIDATION OF ARTIFICIAL DECAYED PORTLAND CEMENT MORTARS WITH AN ALKOXYSILANE- BASED IMPREGNATION TREATMENT AND ITS INFLUENCE ON MINERALOGY AND PORE STRUCTURE
I. García-Lodeiro, R. Zarzuela, M.J. Mosquera, M.T. Blanco-Varela
Construction and Building Materials, 304, 124532(1)-124532(12) (2021)
DOI: http://doi.org/10.1016/j.conbuildmat.2021.124532
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 7/136 Q1 T1 D1 (Engineering, Civil)

157.- FEMTOSECOND LASER GENERATION OF BIMETALLIC OXIDE NANOPARTICLES WITH POTENTIAL X-RAY ABSORBING AND MAGNETIC FUNCTIONALITIES FOR MEDICAL IMAGING APPLICATIONS
A. Naghilou, O. Bomati-Miguel, A. Subotic, R. Lahoz, M. Kitzler-Zeiler, C. Radtke, M.A. Rodríguez, W. Kautek
Ceramics International, 47 (20), 29363-29370 (2021)
DOI: http://doi.org/10.1016/j.ceramint.2021.07.103
Factor de Impacto: JCR(4,527), SJR(0,936)
Posición en categoría JCR: 3/29 Q1 T1 D2 (Materials Science, Ceramics)

158.- IN-DEPTH STRUCTURAL AND ANALYTICAL STUDY OF THE WASHCOATING LAYER OF A MN-CU MONOLITHIC CATALYST USING STEM-FIB, EDX AND EELS. INSIGHTS INTO STABILITY UNDER WORKING CONDITIONS
M.R. Morales, L. Lajaunie, J.J. Calvino, M.Á. Cauqui, L.E. Cadus, J.C. Hernández-Garrido
Applied Surface Science, 563, 150318(1)-150318(13) (2021)
DOI: http://doi.org/10.1016/j.apsusc.2021.150318
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

159.- DEVELOPMENT OF A NOVEL ENGINEERED STONE CONTAINING A CuO/SiO2 NANOCOMPOSITE MATRIX WITH BIOCIDAL PROPERTIES
R. Zarzuela, M.L. Almoraima Gil, J. Carretero, M. Carbú, J.M. Cantoral, M.J. Mosquera
Construction and Building Materials, 303, 124459(1)-124459(19) (2021)
DOI: http://doi.org/10.1016/j.conbuildmat.2021.124459
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 7/136 Q1 T1 D1 (Engineering, Civil)

160.- SILVER NANOSTRUCTURES - POLY(3,4-ETHYLENEDIOXYTHIOPHENE) SENSING MATERIAL PREPARED BY SINUSOIDAL VOLTAGE PROCEDURE FOR DETECTION OF ANTIOXIDANTS
J.J. García-Guzmán, D. López-Iglesias, L. Cubillana-Aguilera, D. Bellido-Milla, J.M. Palacios-Santander, M. Marin, S.D. Grigorescu, C. Lete, S. Lupu
Electrochimica Acta, 393, 139082(1)-139082(11) (2021)
DOI: http://doi.org/10.1016/j.electacta.2021.139082

Factor de Impacto: JCR(6,901), SJR(1,534)
Posición en categoría JCR: 8/29 Q2 T1 D3 (Electrochemistry)

161.- COMPATIBILITY, EFFECTIVENESS AND SUSCEPTIBILITY TO DEGRADATION OF ALKOXYSILANE-BASED CONSOLIDATION TREATMENTS ON A CARBONATE STONE
G.M.C. Gemelli, R. Zarzuela, F. Fernandez, M.J. Mosquera
Journal of Building Engineering, 42, 102840(1)-102840(17) (2021)
DOI: http://doi.org/10.1016/j.jobe.2021.102840
Factor de Impacto: JCR(5,318), SJR(0,974)
Posición en categoría JCR: 13/136 Q1 T1 D1 (Engineering, Civil)

162.- HYBRID HIERARCHICALLY STRUCTURED MATERIALS COMBINING BREATH FIGURES AND THERMAL DECOMPOSITION OF KAUCL4
A.S. de León, M. de la Mata, S.I. Molina
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 624, 126766(1)-126766(12) (2021) DOI: http://doi.org/10.1016/j.colsurfa.2021.126766
Factor de Impacto: JCR(4,539), SJR(0,762)
Posición en categoría JCR: 64/162 Q2 T2 D4 (Chemistry, Physical)

163.- FAST MICROWAVE-ASSISTED SYNTHESIS OF MAGNETIC MOLECULARLY IMPRINTED POLYMER FOR SULFAMETHOXAZOLE
A. Lamaoui, J.M. Palacios-Santander, A. Amine, L. Cubillana-Aguilera
Talanta, 232, 122430(1)-122430(11) (2021)
DOI: http://doi.org/10.1016/j.talanta.2021.122430
Factor de Impacto: JCR(6,057), SJR(1,181)
Posición en categoría JCR: 12/83 Q1 T1 D2 (Chemistry, Analytical)

164.- ENHANCED ARTIFICIAL ENZYME ACTIVITIES ON THE RECONSTRUCTED SAWTOOTHLIKE NANOFACETS OF PURE AND PR-DOPED CERIA NANOCUBES
L. Jiang, M. Tinoco, S. Fernández-García, Y. Sun, M. Traviankina, P. Nan, Q. Xue, H. Pan, A. Aguinaco, J.M. González-Leal, G. Blanco, E. Blanco, A.B. Hungría, J.J. Calvino, X. Chen
ACS applied materials & interfaces, 13 (32), 38061-38073 (2021)
DOI: http://doi.org/10.1021/acsami.1c09992
Factor de Impacto: JCR(9,229), SJR(2,535)
Posición en categoría JCR: 44/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

165.- TAILORING THE TRANSPORT PROPERTIES OF MESOPOROUS DOPED CERIUM OXIDE FOR ENERGY APPLICATIONS
F. Baiutti, J. Blanco-Portals, S. Anelli, P. Torruella, M. López-Haro, J. Calvino, S. Estradé, M. Torrell, F. Peiró, A. Tarancón
Journal of Physical Chemistry C, 125 (30), 16451-16463 (2021)
DOI: http://doi.org/10.1021/acs.jpcc.1c04861
Factor de Impacto: JCR(4,126), SJR(1,401)
Posición en categoría JCR: 124/335 Q2 T2 D4 (Materials Science, Multidisciplinary)

166.- EFFECT OF WASHING TREATMENT ON THE TEXTURAL PROPERTIES AND BIOACTIVITY OF SILICA/CHITOSAN/TCP XEROGELS FOR BONE REGENERATION

A. Pérez-moreno, M.V. Reyes-peces, J.I. Vilches-pérez, R. Fernández-montesinos, G. Pinaglia-tobaruela, M. Salido, N. de la Rosa-Fox, M. Piñero
International Journal of Molecular Sciences, 22 (15), 8321(1)-8321(28) (2021)
DOI: http://doi.org/10.3390/ijms22158321
Factor de Impacto: JCR(5,923), SJR(1,455)
Posición en categoría JCR: 67/298 Q1 T1 D3 (Biochemistry & Molecular Biology)

167.- E-TONGUES/NOSES BASED ON CONDUCTING POLYMERS AND COMPOSITE MATERIALS: EXPANDING THE POSSIBILITIES IN COMPLEX ANALYTICAL SENSING
A. Sierra-Padilla, J.J. García-Guzmán, D. López-Iglesias, J.M. Palacios-Santander, L. Cubillana-Aguilera Sensors, 21 (15), 4976(1)-4976(26) (2021)
DOI: http://doi.org/10.3390/s21154976
Factor de Impacto: JCR(3,576), SJR(0,636)
Posición en categoría JCR: 14/64 Q1 T1 D3 (Instruments & Instrumentation)

168.- INCORPORATION OF FUNCTIONALIZED Ag-TiO2NPs TO ORMOSIL-BASED COATINGS AS MULTIFUNCTIONAL BIOCIDE, SUPERHYDROPHOBIC AND PHOTOCATALYTIC SURFACE TREATMENTS FOR POROUS CERAMIC MATERIALS
R. Zarzuela, M. Carbú, A. Gil, J. Cantoral, M.J. Mosquera
Surfaces and Interfaces, 25, 101257(1)-101257(16) (2021)
DOI: http://doi.org/10.1016/j.surfin.2021.101257
Factor de Impacto: JCR(4,837), SJR(0,712)
Posición en categoría JCR: 4/21 Q1 T1 D2 (Materials Science, Coatings & Films)

169.- EFFECTS OF SURFACTANT AND NANOFLUID ON THE PERFORMANCE AND OPTIMIZATION OF A MICROCHANNEL HEAT SINK
H.S. Shamsuddin, P. Estellé, J. Navas, N. Mohd-Ghazali, M. Mohamad
International Journal of Heat and Mass Transfer, 175, 121336(1)-121336(12) (2021)
DOI: http://doi.org/10.1016/j.ijheatmasstransfer.2021.121336
Factor de Impacto: JCR(5,584), SJR(1,713)
Posición en categoría JCR: 9/136 Q1 T1 D1 (Mechanics)

170.- ADDITIVE MANUFACTURING OF GOLD NANOSTRUCTURES USING NONLINEAR PHOTOREDUCTION UNDER CONTROLLED IONIC DIFFUSION
W. Di Cianni, M. de la Mata, F.J. Delgado, G. Desiderio, S.I. Molina, A.S. de León, M. Giocondo
International Journal of Molecular Sciences, 22 (14), 7465(1)-7465(15) (2021)
DOI: http://doi.org/10.3390/ijms22147465
Factor de Impacto: JCR(5,923), SJR(1,455)
Posición en categoría JCR: 67/298 Q1 T1 D3 (Biochemistry & Molecular Biology)

171.- ANALYSIS OF THE VISUAL APPEARANCE OF AISI 430 FERRITIC STAINLESS STEEL FLAT SHEETS MANUFACTURED BY COOL ROLLING AND BRIGHT ANNEALING
J.M. González-Leal, E. Gallero, E. Blanco, M. Ramírez Del Solar, A. Nuñez, J.F. Almagro
Metals, 11 (7), 1058(1)-1058(13) (2021)
DOI: http://doi.org/10.3390/met11071058

Factor de Impacto: JCR(2,351), SJR(0,57)
Posición en categoría JCR: 24/80 Q2 T1 D3 (Metallurgy & Metallurgical Engineering)

172.- COBALT NANOCLUSTERS COATED WITH N-DOPED CARBON FOR CHEMOSELECTIVE NITROARENE HYDROGENATION AND TANDEM REACTIONS IN WATER
S. Gutiérrez-Tarriño, S. Rojas-Buzo, C.W. Lopes, G. Agostini, J.J. Calvino, A. Corma, P. Oña-Burgos
Green Chemistry, 23 (12), 4490-4501 (2021)
DOI: http://doi.org/10.1039/d1gc00706h
Factor de Impacto: JCR(10,182), SJR(2,221)
Posición en categoría JCR: 2/44 Q1 T1 D1 (Green & Sustainable Science & Technology)

173.- SIMULTANEOUS DETECTION OF GLUCOSE AND FRUCTOSE IN SYNTHETIC MUSTS BY MULTIVARIATE ANALYSIS OF SILICA-BASED AMPEROMETRIC SENSOR SIGNALS
J.R. Crespo-Rosa, G. Foca, A. Ulrici, L. Pigani, B. Zanfrognini, L. Cubillana-Aguilera, J.M. Palacios-Santander, C. Zanardi
Sensors, 21 (12), 4190(1)-4190(13) (2021)
DOI: http://doi.org/10.3390/s21124190
Factor de Impacto: JCR(3,576), SJR(0,636)
Posición en categoría JCR: 14/64 Q1 T1 D3 (Instruments & Instrumentation)

174.- SOLUTION-PROCESSED NI-BASED NANOCOMPOSITE ELECTROCATALYSTS: AN APPROACH TO HIGHLY EFFICIENT ELECTROCHEMICAL WATER SPLITTING
J. Noguera-Gómez, M. García-Tecedor, J.F. Sánchez-Royo, L.M. Valencia Liñán, M. De La Mata, M. Herrera- Collado, S.I. Molina, R. Abargues, S. Giménez
ACS Applied Energy Materials, 4 (5), 5255-5264 (2021)
DOI: http://doi.org/10.1021/acsaem.1c00776
Factor de Impacto: JCR(6,024), SJR(1,833)
Posición en categoría JCR: 87/335 Q2 T1 D3 (Materials Science, Multidisciplinary)

175.- ATOMICALLY RESOLVED 3D STRUCTURAL RECONSTRUCTION OF SMALL QUANTUM DOTS
P. Banerjee, C. Roy, J.J. Jiménez, F.M. Morales, S. Bhattacharyya
Nanoscale, 13 (16), 7550-7557 (2021)
DOI: http://doi.org/10.1039/d1nr00466b
Factor de Impacto: JCR(7,79), SJR(2,038)
Posición en categoría JCR: 23/160 Q1 T1 D2 (Physics, Applied)

176.- MOLYBDENUM OXIDE SUPPORTED ON Ti3ALC2 IS AN ACTIVE REVERSE WATER-GAS SHIFT CATALYST
M. Ronda-Lloret, L. Yang, M. Hammerton, V.S. Marakatti, M. Tromp, Z. Sofer, A. Sepúlveda-Escribano, E.V. Ramos-Fernandez, J.J. Delgado, G. Rothenberg, T. Ramirez Reina, N.R. Shiju
ACS Sustainable Chemistry and Engineering, 9 (14), 4957-4966 (2021)
DOI: http://doi.org/10.1021/acssuschemeng.0c07881

Factor de Impacto: JCR(8,198), SJR(1,878)
Posición en categoría JCR: 14/143 Q1 T1 D1 (Engineering, Chemical)

177.- REGIOIRREGULAR AND CATALYTIC MIZOROKI–HECK REACTIONS
F. Garnes-Portolés, R. Greco, J. Oliver-Meseguer, J. Castellanos-Soriano, M. Consuelo Jiménez, M. López- Haro, J.C. Hernández-Garrido, M. Boronat, R. Pérez-Ruiz, A. Leyva-Pérez
Nature Catalysis, 4 (4), 293-303 (2021)
DOI: http://doi.org/10.1038/s41929-021-00592-3
Factor de Impacto: SJR(14,33)
Posición en categoría JCR: No indexada.

178.- DETERMINING THE ROLE OF FE-DOPING ON PROMOTING THE THERMOCHEMICAL ENERGY STORAGE PERFORMANCE OF (Mn1−xFEx)3O4 SPINELS
A.J. Carrillo, L.E. Chinchilla, A. Iglesias-Juez, S. Gutiérrez-Rubio, D. Sastre, P. Pizarro, A.B. Hungría, J.M. Coronado
Small Methods, 5 (10), 2100550(1)-2100550(15) (2021)
DOI: http://doi.org/10.1002/smtd.202100550
Factor de Impacto: SJR(4,66)
Posición en categoría JCR: No indexada.

179.- MODIFICATION OF THE MECHANICAL PROPERTIES OF CORE-SHELL LIQUID GALLIUM NANOPARTICLES BY THERMAL OXIDATION AT LOW TEMPERATURE
S. Catalán-Gómez, A. Redondo-Cubero, M. Morales, M. de la Mata, S.I. Molina, F.J. Palomares, A. Carnicero, J.L. Pau, L. Vázquez
Particle and Particle Systems Characterization, 38 (10), 2100141(1)-2100141(8) (2021)
DOI: http://doi.org/10.1002/ppsc.202100141
Factor de Impacto: JCR(3,31), SJR(0,877)
Posición en categoría JCR: 82/162 Q3 T2 D6 (Chemistry, Physical)

180.- PROPERTY-ORIENTED BASIS SETS FOR COMPUTATION OF ATOMIZATION ENERGIES
V. García, D. Zorrilla, M. Fernández, J. Sánchez-Márquez
Journal of Computational Chemistry, 42 (30), 2154–2162 (2021)
DOI: http://doi.org/10.1002/jcc.26745
Factor de Impacto: JCR(3,376), SJR(0,907)
Posición en categoría JCR: 16/112 Q1 T1 D2 (Computer Science, Interdisciplinary Applications)

181.- 3-[3-(4-CHLOROPHENYL)-2-(4-FLUOROPHENYL)-2H-ISOINDOL-1-YL]-1-PHENYLPYRROLIDINE-2,5-DIONE AS A CANDIDATE FOR SOLAR CELLS APPLICATIONS
A. El Haimeur, I.V. Levkov, T.V. Yegorova, A.I. Kysil, S.V. Shilin, I.S. Konovalova, S.V. Shishkina, H. Bakkali, E. Blanco, Z.V. Voitenko
Molecular Crystals and Liquid Crystals, 718 (1), 16-24 (2021)
DOI: http://doi.org/10.1080/15421406.2020.1861517
Factor de Impacto: JCR(0,896), SJR(0,219)
Posición en categoría JCR: 135/175 Q4 T3 D8 (Genetics & Heredity)

182.- ENHANCING ACTIVITY, SELECTIVITY AND STABILITY OF PALLADIUM CATALYSTS IN FORMIC ACID DECOMPOSITION: EFFECT OF SUPPORT FUNCTIONALIZATION
I. Barlocco, S. Bellomi, J.J. Delgado, X. Chen, L. Prati, N. Dimitratos, A. Roldan, A. Villa
Catalysis Today, 382, 61-70 (2021)
DOI: http://doi.org/10.1016/j.cattod.2021.07.005
Factor de Impacto: JCR(6,766), SJR(1,397)
Posición en categoría JCR: 10/74 Q1 T1 D2 (Chemistry, Applied)

183.- DIBENZOFLUORENE DERIVATIVE FOR NONLINEAR OPTICS AND SOLAR CELLS APPLICATIONS
A.E. Haimeur, I.V. Levkov, T.V. Yegorova, A.I. Kysil, O.I. Bugera, I.S. Konovalova, S.V. Shishkina, H. Bakkali, E. Blanco, Z.V. Voitenko
Molecular Crystals and Liquid Crystals, 716 (1), 94-102 (2021)
DOI: http://doi.org/10.1080/15421406.2020.1859699
Factor de Impacto: JCR(0,896), SJR(0,219)
Posición en categoría JCR: 135/175 Q4 T3 D8 (Genetics & Heredity)

184.- STRUCTURAL CHARACTERIZATION OF AL0.37IN0.63N/ALN/P-SI (111) HETEROJUNCTIONS GROWN BY RF SPUTTERING FOR SOLAR CELL APPLICATIONS
A. Núñez-Cascajero, F.B. Naranjo, M. De La Mata, S.I. Molina
Materials, 14 (9), 2236(1)-2236(8) (2021)
DOI: http://doi.org/10.3390/ma14092236
Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

185.- Cu-TiO2/SiO2 PHOTOCATALYSTS FOR CONCRETE-BASED BUILDING MATERIALS: SELF-CLEANING AND AIR DE-POLLUTION PERFORMANCE
S. Khannyra, M.J. Mosquera, M. Addou, M.L.A. Gil
Construction and Building Materials, 313, 125419(1)-125419(15) (2021)
DOI: http://doi.org/10.1016/j.conbuildmat.2021.125419
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 7/136 Q1 T1 D1 (Engineering, Civil)

186.- ALKOXYSILANE-BASED CONSOLIDATION TREATMENTS: LABORATORY AND 3-YEARS IN-SITU ASSESSMENT TESTS ON BIOCALCARENITE STONE FROM ROMAN THEATRE (CÁDIZ)
G.M.C. Gemelli, R. Zarzuela, F. Alarcón-Castellano, M.J. Mosquera, M.L.A. Gil
Construction and Building Materials, 312, 125398(1)-125398(14) (2021)
DOI: http://doi.org/10.1016/j.conbuildmat.2021.125398
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 7/136 Q1 T1 D1 (Engineering, Civil)

187.- EXCEPTIONAL LOW-TEMPERATURE CO OXIDATION OVER NOBLE-METAL-FREE IRON-DOPED HOLLANDITES: AN IN-DEPTH ANALYSIS OF THE INFLUENCE OF THE DEFECT STRUCTURE ON CATALYTIC PERFORMANCE
I. Gómez-Recio, H. Pan, A. Azor-Lafarga, M.L. Ruiz-González, M. Hernando, M. Parras,

M.T. Fernández-Díaz, J.J. Delgado, X. Chen, D.G. Jiménez, D. Portehault, C. Sanchez, M. Cabero, A. Martínez-Arias, J.M. González-Calbet, J.J. Calvino
ACS Catalysis, 11 (24), 15026-15039 (2021)
DOI: http://doi.org/10.1021/acscatal.1c04954
Factor de Impacto: JCR(13,084), SJR(4,898)
Posición en categoría JCR: 15/162 Q1 T1 D1 (Chemistry, Physical)

188.- POLYANILINE NANOFIBERS-EMBEDDED GOLD NANOPARTICLES OBTAINED BY TEMPLATE-FREE PROCEDURE WITH IMMOBILIZATION PROSPECTS
J.R. Crespo-Rosa, A. Sierra-Padilla, J.J. García-Guzmán, D. López-Iglesias, D. Bellido-Milla, J.M. Palacios- Santander, L. Cubillana-Aguilera
Sensors, 21 (24), 8470(1)-8470(23) (2021)
DOI: http://doi.org/10.3390/s21248470
Factor de Impacto: JCR(3,576), SJR(0,636)
Posición en categoría JCR: 14/64 Q1 T1 D3 (Instruments & Instrumentation)

189.- IN SITU DRIFTS-MS METHANOL ADSORPTION STUDY ONTO SUPPORTED NISN NANOPARTICLES: MECHANISTIC IMPLICATIONS IN METHANOL STEAM REFORMING
L.F. Bobadilla, L. Azancot, S. Ivanova, J.J. Delgado, F. Romero-Sarria, M.A. Centeno, A.C. Roger, J.A. Odriozola
Nanomaterials, 11 (12), 3234(1)-3234(16) (2021)
DOI: http://doi.org/10.3390/nano11123234
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

190.- COMPOSITIONAL AND STRUCTURAL ANALYSIS OF ENGINEERED STONES AND INORGANIC PARTICLES IN SILICOTIC NODULES OF EXPOSED WORKERS
A. León-Jiménez, J.M. Mánuel, M. García-Rojo, M.G. Pintado-Herrera, J.A. López-López, A. Hidalgo-Molina, R. García, P. Muriel-Cueto, N. Maira-González, D. Del Castillo-Otero, F.M. Morales
Particle and Fibre Toxicology, 18 (1), 41(1)- 41(16) (2021)
DOI: http://doi.org/10.1186/s12989-021-00434-x
Factor de Impacto: JCR(9,4), SJR(1,748)
Posición en categoría JCR: 3/93 Q1 T1 D1 (Toxicology)

191.- CONTROLLED GRAIN-SIZE THERMOCHROMIC VO2 COATINGS BY THE FAST OXIDATION OF SPUTTERED VANADIUM OR VANADIUM OXIDE FILMS DEPOSITED AT GLANCING ANGLES
A.J. Santos, B. Lacroix, M. Domínguez, R. García, N. Martin, F.M. Morales
Surfaces and Interfaces, 27, 101581(1)-101581(13) (2021)
DOI: http://doi.org/10.1016/j.surfin.2021.101581
Factor de Impacto: JCR(4,837), SJR(0,712)
Posición en categoría JCR: 4/21 Q1 T1 D2 (Materials Science, Coatings & Films)

192.- A NOVEL ROUTE FOR THE EASY PRODUCTION OF THERMOCHROMIC VO2 NANOPARTICLES
A.J. Santos, M. Escanciano, A. Suárez-Llorens, M. Pilar Yeste, F.M. Morales

Chemistry - A European Journal, 27 (67), 16662-16669 (2021)
DOI: http://doi.org/10.1002/chem.202102566
Factor de Impacto: JCR(5,236), SJR(1,687)
Posición en categoría JCR: 52/179 Q2 T1 D3 (Chemistry, Multidisciplinary)

193.- CHEMOHETEROEPITAXY OF 3C-SIC(111) ON SI(111): INFLUENCE OF PREDEPOSITED GE ON STRUCTURE AND COMPOSITION
C. Zgheib, M.N. Lubov, D.V. Kulikov, V.S. Kharlamov, S. Thiele, F.M. Morales, H. Romanus, N. Rahbany, G. Beainy, T. Stauden, J. Pezoldt
Physica Status Solidi (A) Applications and Materials Science, 218 (24), 2100399(1)-2100399(10) (2021)
DOI: http://doi.org/10.1002/pssa.202100399
Factor de Impacto: JCR(1,981), SJR(0,532)
Posición en categoría JCR: 100/160 Q3 T2 D7 (Physics, Applied)

194.- HIGHLY ACTIVE CE- AND MG-PROMOTED NI CATALYSTS SUPPORTED ON CELLULOSE-DERIVED CARBON FOR LOW-TEMPERATURE CO2 METHANATION
P. Tarifa, C. Megías-Sayago, F. Cazaña, M. González-Martín, N. Latorre, E. Romeo, J.J. Delgado, A. Monzón Energy & Fuels, 35 (21), 17212-17224 (2021)
DOI: http://doi.org/10.1021/acs.energyfuels.1c01682
Factor de Impacto: JCR(3,605), SJR(0,861)
Posición en categoría JCR: 57/143 Q2 T2 D4 (Engineering, Chemical)

195.- DIAMOND FOR ELECTRONICS: MATERIALS, PROCESSING AND DEVICES
D. Araujo, M. Suzuki, F. Lloret, G. Alba, P. Villar
Materials, 14 (22), 7081(1)-7081(25) (2021)
DOI: http://doi.org/10.3390/ma14227081
Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

196.- OPTICAL CHARACTERIZATION OF H-FREE A-SI LAYERS GROWN BY RF-MAGNETRON SPUTTERING BY INVERSE SYNTHESIS USING MATLAB: TAUC–LORENTZ–URBACH PARAMETERIZATION
E. Márquez, J.J. Ruíz-Pérez, M. Ballester, A.P. Márquez, E. Blanco, D. Minkov, S.M. Fernández Ruano, E. Saugar
Coatings, 11 (11), 1324(1)-1324(26) (2021)
DOI: http://doi.org/10.3390/coatings11111324
Factor de Impacto: JCR(2,881), SJR(0,484)
Posición en categoría JCR: 70/160 Q2 T2 D5 (Physics, Applied)

197.- SYNTHESIS, CHARACTERIZATION AND PHOTOCATALYTIC PERFORMANCE OF CALCINED ZNCR-LAYERED DOUBLE HYDROXIDES
S.D. Bencherif, J.J. Gallardo, I. Carrillo-berdugo, A. Bahmani, J. Navas
Nanomaterials, 11 (11), 3051(1)-3051(19) (2021)
DOI: http://doi.org/10.3390/nano11113051
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

198.- CONDUCTION MECHANISMS IN Au/0.8 NM–GaN/N–GaAs SCHOTTKY CONTACTS IN A WIDE TEMPERATURE RANGE
H. Helal, Z. Benamara, M.A. Wederni, S. Mourad, K. Khirouni, G. Monier, C. Robert-Goumet, A. Rabehi, A.H. Kacha, H. Bakkali, L.C. Gontard, M. Dominguez
Materials, 14 (20), 5909(1)-5909(12) (2021)
DOI: http://doi.org/10.3390/ma14205909
Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

199.- EXPERIMENTAL AND PROCESS MODELLING INVESTIGATION OF THE HYDROGEN GENERATION FROM FORMIC ACID DECOMPOSITION USING A Pd/Zn CATALYST
S. Hafeez, I. Barlocco, S.M. Al-Salem, A. Villa, X. Chen, J.J. Delgado, G. Manos, N. Dimitratos, A. Constantinou Applied Sciences (Switzerland), 11 (18), 8462(1)- 8462(12) (2021)
DOI: http://doi.org/10.3390/app11188462
Factor de Impacto: JCR(2,679), SJR(0,435)
Posición en categoría JCR: 38/91 Q2 T2 D5 (Engineering, Multidisciplinary)

200.- FACILE FABRICATION OF Fe-TiO2 THIN FILM AND ITS PHOTOCATALYTIC ACTIVITY
A. Aguinaco, B. Amaya, M. Ramírez-del-Solar
Environmental Science and Pollution Research (2021)
DOI: http://doi.org/10.1007/s11356-021-17425-2
Factor de Impacto: JCR(4,223), SJR(0,845)
Posición en categoría JCR: 91/274 Q2 T2 D4 (Environmental Sciences)

201.- ALKYLSILOXANE/ALKOXYSILANE SOLS AS HYDROPHOBIC TREATMENTS FOR CONCRETE: A COMPARATIVE STUDY OF BULK VS SURFACE APPLICATION
J. González-Coneo, R. Zarzuela, F. Elhaddad, L.M. Carrascosa, M.L.A. Gil, M.J. Mosquera
Journal of Building Engineering, 46, 103729(1)-103729(16) (2021)
DOI: http://doi.org/10.1016/j.jobe.2021.103729
Factor de Impacto: JCR(5,318), SJR(0,974)
Posición en categoría JCR: 13/136 Q1 T1 D1 (Engineering, Civil)

202.- ENHANCED THERMOPHYSICAL PROPERTIES IN SPINEL CuFe2O4-BASED NANOFLUIDS FOR CONCENTRATED SOLAR POWER
T. Aguilar, I. Carrillo-Berdugo, R. Alcántara, J. Navas
International Journal of Energy Research, 1-11 (2021)
DOI: http://doi.org/10.1002/er.7484
Factor de Impacto: JCR(5,164), SJR(0,808)
Posición en categoría JCR: 1/34 Q1 T1 D1 (Nuclear Science & Technology)

203.- COPPER-IRON MIXED OXIDE SUPPORTED ONTO CORDIERITE HONEYCOMB AS A HETEROGENEOUS CATALYST IN THE KHARASCH-SOSNOVSKY OXIDATION OF CYCLOHEXENE
M.P. Yeste, M.A. Fellak, H. Vidal, F.M. Guerra, F.J. Moreno-Dorado, J.M. Gatica

Catalysis Today (2021)
DOI: http://doi.org/10.1016/j.cattod.2021.10.020
Factor de Impacto: JCR(6,766), SJR(1,397)
Posición en categoría JCR: 10/74 Q1 T1 D2 (Chemistry, Applied)

204.- ISOTOPIC, STRUCTURAL AND CHEMICAL ANALYSES OF PRE-SOLAR SILICATES FROM ASYMPTOTIC GIANT BRANCH STARS AND TYPE-II SUPERNOVA EXPLOSIONS
L. Lajaunie, M. Sanghani, W. Rickard, S.S.Y. Hsiao, Z. Peeters, H. Shang, D.C. Lee, J. Calvino, K. Marhas, M. Bizzarro
Microscopy and Microanalysis, 27 (S1), 2782-2784 (2021)
DOI: http://doi.org/10.1017/S1431927621009752
Factor de Impacto: JCR(4,127), SJR(0,521)
Posición en categoría JCR: 2/9 Q1 T1 D3 (Microscopy)

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205.- SPATIALLY RESTRICTED DOUBLE Z-SIMPLIFIED BOX ORBITAL BASIS SETS: OPTIMIZATION AND COMPARISON WITH SOME STANDARD BASIS SETS
V. García, J. Sánchez-Márquez, E. Torres, D. Zorrilla, M. Fernández
International Journal of Quantum Chemistry, 120 (6), e26129[1]-e26129[12] (2020)
DOI: http://doi.org/10.1002/qua.26129
Factor de Impacto: JCR(2,444), SJR(0,484)
Posición en categoría JCR: 41/108 Q2 T2 D4 (Mathematics, Interdisciplinary Applications)

206.- WSe2 NANOSHEETS SYNTHESIZED BY A SOLVOTHERMAL PROCESS AS ADVANCED NANOFLUIDS FOR THERMAL SOLAR ENERGY
P. Martínez-Merino, E. Sani, L. Mercatelli, R. Alcántara, J. Navas
ACS Sustainable Chemistry and Engineering, 8 (3), 1627-1636 (2020)
DOI: http://doi.org/10.1021/acssuschemeng.9b06489
Factor de Impacto: JCR(8,198), SJR(1,878)
Posición en categoría JCR: 14/143 Q1 T1 D1 (Engineering, Chemical)

207.- PURSUIT OF OPTIMAL SYNTHETIC CONDITIONS FOR OBTAINING COLLOIDAL ZERO-VALENT IRON NANOPARTICLES BY SCANNING PULSED LASER ABLATION IN LIQUIDS
R. Lahoz, E. Natividad, Á. Mayoral, C. Rentenberger, D. Díaz-Fernández, E.J. Félix, L. Soriano, W. Kautek, O. Bomati-Miguel
Journal of Industrial and Engineering Chemistry, 81 (1), 340-351 (2020)
DOI: http://doi.org/10.1016/j.jiec.2019.09.024
Factor de Impacto: JCR(6,064), SJR(1,103)
Posición en categoría JCR: 23/143 Q1 T1 D2 (Engineering, Chemical)

208.- CATALYTIC ACTIVITY OF Cu AND Co SUPPORTED ON CERIA-YTTRIA-ZIRCONIA OXIDES FOR THE DIESEL SOOT COMBUSTION REACTION IN THE PRESENCE OF NOX
M.P. Yeste, M.Á. Cauqui, J. Giménez-Mañogil, J.C. Martínez-Munuera, M.Á. Muñoz, A. García-García

Chemical Engineering Journal, 380 (1), 122370[1]-122370[10] (2020)
DOI: http://doi.org/10.1016/j.cej.2019.122370
Factor de Impacto: JCR(13,273), SJR(2,528)
Posición en categoría JCR: 4/143 Q1 T1 D1 (Engineering, Chemical)

209.- USE OF Au/N-TiO2/SiO2 PHOTOCATALYSTS IN BUILDING MATERIALS WITH NO DEPOLLUTING ACTIVITY M. Luna, J.M. Gatica, H. Vidal, M.J. Mosquera
Journal of Cleaner Production, 243 (1), 118633[1]-118633[11] (2020)
DOI: http://doi.org/10.1016/j.jclepro.2019.118633
Factor de Impacto: JCR(9,297), SJR(1,937)
Posición en categoría JCR: 3/44 Q1 T1 D1 (Green & Sustainable Science & Technology)

210.- ENHANCED PERFORMANCE OF PLANAR PEROVSKITE SOLAR CELLS USING DIP-COATED TiO2 AS ELECTRON TRANSPORTING LAYER
A. El Haimeur, M. Makha, H. Bakkali, J.M. González-Leal, E. Blanco, M. Domínguez, Z.V. Voitenko
Solar Energy, 195 (1), 475-482 (2020)
DOI: http://doi.org/10.1016/j.solener.2019.11.094
Factor de Impacto: JCR(5,742), SJR(1,337)
Posición en categoría JCR: 38/114 Q2 T2 D4 (Energy & Fuels)

211.- INVESTIGATION ON Sb DISTRIBUTION FOR InSb/InAs SUB-MONOLAYER HETEROSTRUCTURE USING TEM TECHNIQUES
A.A. Khan, M. Herrera, N. Fernández-Delgado, D.F. Reyes, J. Pizarro, E. Repiso, A. Krier, S.I. Molina Nanotechnology, 31 (2), 025706[1]-025706[11] (2020)
DOI: http://doi.org/10.1088/1361-6528/ab4751
Factor de Impacto: JCR(3,874), SJR(0,926)
Posición en categoría JCR: 44/160 Q2 T1 D3 (Physics, Applied)

212.- SOFTWARE TO OBTAIN SPATIALLY LOCALIZED FUNCTIONS FROM DIFFERENT RADIAL FUNCTIONS
J. Sánchez-Márquez, V. García, D. Zorrilla, M. Fernández
Journal of Computer-Aided Molecular Design, 34 (1), 267-280 (2020)
DOI: http://doi.org/10.1007/s10822-019-00272-2
Factor de Impacto: JCR(3,686), SJR(0,749)
Posición en categoría JCR: 28/72 Q2 T2 D4 (Biophysics)

213.- EFFECT OF THE CAP LAYER GROWTH TEMPERATURE ON THE Sb DISTRIBUTION IN InAs/InSb/InAs SUB- MONOLAYER HETEROSTRUCTURES FOR MID-INFRARED DEVICES
A.A. Khan, E. Repiso, M. Herrera, P.J. Carrington, M. De La Mata, J. Pizarro, A. Krier, S.I. Molina
Nanotechnology, 31 (10), 105702[1]-105702[10] (2020)
DOI: http://doi.org/10.1088/1361-6528/ab59f8
Factor de Impacto: JCR(3,874), SJR(0,926)
Posición en categoría JCR: 44/160 Q2 T1 D3 (Physics, Applied)

214.- A HANDLING-FREE METHODOLOGY FOR RAPID DETERMINATION OF Cu SPECIES IN SEAWATER BASED ON DIRECT SOLID MICRO-SAMPLERS ANALYSIS BY HIGH-RESOLUTION CONTINUUM SOURCE GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRY
R.J. González-Álvarez, D. Bellido-Milla, J.J. Pinto, C. Moreno
Talanta, 206 (1), 120249[1]-120249[7] (2020)
DOI: http://doi.org/10.1016/j.talanta.2019.120249
Factor de Impacto: JCR(6,057), SJR(1,181)
Posición en categoría JCR: 12/83 Q1 T1 D2 (Chemistry, Analytical)

215.- HONEYCOMB FILTERS AS AN ALTERNATIVE TO POWDERS IN THE USE OF CLAYS TO REMOVE CADMIUM FROM WATER
M. Ahrouch, J.M. Gatica, K. Draoui, D. Bellido, H. Vidal
Chemosphere, 259 (2020), 127526[1]-127526[11] (2020)
DOI: http://doi.org/10.1016/j.chemosphere.2020.127526
Factor de Impacto: JCR(7,086), SJR(1,632)
Posición en categoría JCR: 30/274 Q1 T1 D2 (Environmental Sciences)

216.- SPECTROSCOPIC ELLIPSOMETRY STUDY OF NON-HYDROGENATED FULLY AMORPHOUS SILICON FILMS DEPOSITED BY ROOM-TEMPERATURE RADIO-FREQUENCY MAGNETRON SPUTTERING ON GLASS: INFLUENCE OF THE ARGON PRESSURE
E. Márquez, E. Blanco, C. García-Vázquez, J.M. Díaz, E. Saugar
Journal of Non-Crystalline Solids, 547 (2020), 120305[1]-120305[12] (2020)
DOI: http://doi.org/10.1016/j.jnoncrysol.2020.120305
Factor de Impacto: JCR(3,531), SJR(0,764)
Posición en categoría JCR: 5/29 Q1 T1 D2 (Materials Science, Ceramics)

217.- LATTICE PERFORMANCE DURING INITIAL STEPS OF THE SMART-CUTTM PROCESS IN SEMICONDUCTING DIAMOND: A STEM STUDY
J.C. Piñero, J. de Vecchy, D. Fernández, G. Alba, J. Widiez, L. Di Cioccio, F. Lloret, D. Araújo, J. Pernot
Applied Surface Science, 528 (2020), 146998[1]-146998[6] (2020)
DOI: http://doi.org/10.1016/j.apsusc.2020.146998
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

218.- THE IMPORTANCE OF PHYSICAL PARAMETERS FOR THE PENETRATION DEPTH OF IMPREGNATION PRODUCTS INTO CEMENTITIOUS MATERIALS: MODELLING AND EXPERIMENTAL STUDY
J. Perko, R. Zarzuela, I. Garcia-Lodeiro, M.T. Blanco-Varela, M.J. Mosquera, T. Seemann, L. Yu Construction and Building Materials, 257 (10:2020), 119595[1]-119595[11] (2020)
DOI: http://doi.org/10.1016/j.conbuildmat.2020.119595
Factor de Impacto: JCR(6,141), SJR(1,662)
Posición en categoría JCR: 7/136 Q1 T1 D1 (Engineering, Civil)

219.- INTERFACIAL INTEGRITY ENHANCEMENT OF ATOMIC LAYER DEPOSITED ALUMINA ON BORON DOPED DIAMOND BY SURFACE PLASMA FUNCTIONALIZATION
A. Jaggernauth, R.M. Silva, M.A. Neto, F.J. Oliveira, I.K. Bdikin, M.P. Alegre, M. Gutiérrez, D. Araújo, J.C. Mendes, R.F. Silva
Surface and Coatings Technology, 397 (9:2020), 125991[1]-125991[11] (2020)
DOI: http://doi.org/10.1016/j.surfcoat.2020.125991
Factor de Impacto: JCR(4,158), SJR(0,904)
Posición en categoría JCR: 40/160 Q1 T1 D3 (Physics, Applied)

220.- THE EFFECT OF A COMPLEX A-SITE CATION AND MIXED HALIDES IN THE EMISSION PROPERTIES OF PEROVSKITE QUANTUM DOTS
J.J. Gallardo, M. Rodríguez-Fernández, E. Blanco, J. Outón, J. Navas
Journal of Molecular Liquids, 314 (9:2020), 113674[1]-113674[8] (2020)
DOI: http://doi.org/10.1016/j.molliq.2020.113674
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

221.- QUANTITATIVE DETERMINATION OF THE PENETRATION OF A SILICA-BASED CONSOLIDANT IN A LIMESTONE BY FTIR SPECTROSCOPY
M.L.A. Gil, M. Luna, R. Zarzuela, M.V. García-Moreno
Vibrational Spectroscopy, 110 (9:2020), 103109[1]-103109[5] (2020)
DOI: http://doi.org/10.1016/j.vibspec.2020.103109
Factor de Impacto: JCR(2,507), SJR(0,424)
Posición en categoría JCR: 16/43 Q2 T2 D4 (Spectroscopy)

222.- COOPERATIVE AND FULLY REVERSIBLE COLOR SWITCHING ACTIVATION IN HYBRID GRAPHENE DECORATED NANOCAGES AND COPPER-TIO2 NANOPARTICLES
D.M. Tobaldi, L. Lajaunie, D. Dvoranová, V. Brezová, B. Figueiredo, M.P. Seabra, J.J. Calvino, J.A. Labrincha Materials Today Energy, 17 (9:2020), 100460[1]-100460[11] (2020)
DOI: http://doi.org/10.1016/j.mtener.2020.100460
Factor de Impacto: JCR(7,311), SJR(1,843)
Posición en categoría JCR: 20/114 Q1 T1 D2 (Energy & Fuels)

223.- ROLE OF SB ON THE VERTICAL-ALIGNMENT OF TYPE-II STRAIN-COUPLED INAS/GAASSB MULTI QUANTUM DOTS STRUCTURES
N. Ruiz-Marín, D.F. Reyes, V. Braza, S. Flores, L. Stanojević, A. Gonzalo, J.M. Ulloa, T. Ben, D. González
Journal of Alloys and Compounds, 832 (8:2020), 154914[1]-154914[7] (2020)
DOI: http://doi.org/10.1016/j.jallcom.2020.154914
Factor de Impacto: JCR(5,316), SJR(1,112)
Posición en categoría JCR: 6/80 Q1 T1 D1 (Metallurgy & Metallurgical Engineering)

224.- NICKEL RECYCLING THROUGH BIOLEACHING OF A Ni/Al2O3 COMMERCIAL CATALYST
S.P. Tayar, M.P. Yeste, M. Ramírez, G. Cabrera, D. Bevilaqua, J.M. Gatica, H. Vidal, M.Á. Cauqui, D. Cantero Hydrometallurgy, 195 (8:2020), 105350[1]-105350[8] (2020)

DOI: http://doi.org/10.1016/j.hydromet.2020.105350
Factor de Impacto: JCR(4,156), SJR(0,939)
Posición en categoría JCR: 12/80 Q1 T1 D2 (Metallurgy & Metallurgical Engineering)

225.- OPTICAL AND NANOSTRUCTURAL INSIGHTS OF OBLIQUE ANGLE DEPOSITED LAYERS APPLIED FOR PHOTONIC COATINGS
F. Maudet, B. Lacroix, A.J. Santos, F. Paumier, M. Paraillous, S. Hurand, A. Corvisier, C. Marsal, B. Giroire, C. Dupeyrat, R. García, F.M. Morales, T. Girardeau
Applied Surface Science, 520 (8:2020), 146312[1]-146312[9] (2020)
DOI: http://doi.org/10.1016/j.apsusc.2020.146312
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

226.- (S)TEM STRUCTURAL AND COMPOSITIONAL NANOANALYSES OF CHEMICALLY SYNTHESIZED GLUTATHIONE-SHELLED NANOPARTICLES
A.M. Beltrán, J.M. Mánuel, R. Litrán, E. Félix, A.J. Santos, F.M. Morales, O. Bomatí-Miguel
Applied Nanoscience (Switzerland), 10 (7), 2295-2301 (2020)
DOI: http://doi.org/10.1007/s13204-020-01418-7
Factor de Impacto: JCR(3,674), SJR(0,583)
Posición en categoría JCR: 60/107 Q3 T2 D6 (Nanoscience & Nanotechnology)

227.- DILUTED NITRIDE TYPE-II SUPERLATTICES: OVERCOMING THE DIFFICULTIES OF BULK GaAsSbN IN SOLAR CELLS
A. Gonzalo, A.D. Utrilla, U. Aeberhard, V. Braza, D.F. Reyes, D.F. Marrón, J.M. Llorens, B. Alén, T. Ben, D. González, A. Guzman, A. Hierro, J.M. Ulloa
Solar Energy Materials and Solar Cells, 210 (6:2020), 110500[1]-110500[8] (2020)
DOI: http://doi.org/10.1016/j.solmat.2020.110500
Factor de Impacto: JCR(7,267), SJR(1,839)
Posición en categoría JCR: 28/160 Q1 T1 D2 (Physics, Applied)

228.- ON ELECTRONEGATIVITY, HARDNESS, AND REACTIVITY DESCRIPTORS: A NEW PROPERTY-ORIENTED BASIS SET
J. Sánchez-Márquez, V. García, D. Zorrilla, M. Fernández
Journal of Physical Chemistry A, 124 (23), 4700-4711 (2020)
DOI: http://doi.org/10.1021/acs.jpca.0c01342
Factor de Impacto: JCR(2,781), SJR(0,756)
Posición en categoría JCR: 14/37 Q2 T2 D4 (Physics, Atomic, Molecular & Chemical)

229.- DEVELOPMENT OF CARBON FIBER ACRYLONITRILE STYRENE ACRYLATE COMPOSITE FOR LARGE FORMAT ADDITIVE MANUFACTURING
D.M. Sánchez, M. de la Mata, F.J. Delgado, V. Casal, S.I. Molina
Materials and Design, 191 (6:2020), 108577[1]-108577[10] (2020)
DOI: http://doi.org/10.1016/j.matdes.2020.108577
Factor de Impacto: JCR(7,991), SJR(1,842)
Posición en categoría JCR: 58/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

230.- SURFACE STATES OF (100) O-TERMINATED DIAMOND: TOWARDS OTHER 1 × 1:O RECONSTRUCTION MODELS
G. Alba, M. Pilar Villar, R. Alcántara, J. Navas, D. Araújo
Nanomaterials, 10 (6), 1-15 (2020)
DOI: http://doi.org/10.3390/nano10061193
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

231.- OPTIMIZATION OF STEM-HAADF ELECTRON TOMOGRAPHY RECONSTRUCTIONS BY PARAMETER SELECTION IN COMPRESSED SENSING TOTAL VARIATION MINIMIZATION-BASED ALGORITHMS
J.M. Muñoz-Ocaña, A. Bouziane, F. Sakina, R.T. Baker, A.B. Hungría, J.J. Calvino, A.M. Rodríguez-Chía, M. López-Haro
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DOI: http://doi.org/10.1002/ppsc.202000070
Factor de Impacto: JCR(3,31), SJR(0,877)
Posición en categoría JCR: 82/162 Q3 T2 D6 (Chemistry, Physical)

232.- IMPROVED FIELD ELECTRON EMISSION PROPERTIES OF PHOSPHORUS AND NITROGEN CO-DOPED NANOCRYSTALLINE DIAMOND FILMS
F. Lloret, K.J. Sankaran, J. Millan-Barba, D. Desta, R. Rouzbahani, P. Pobedinskas, M. Gutierrez, H.G. Boyen, K. Haenen
Nanomaterials, 10 (6), 1024[1]-1024[11] (2020)
DOI: http://doi.org/10.3390/nano10061024
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

233.- A SUGAR-BEET WASTE BASED THERMOPLASTIC AGRO-COMPOSITE AS SUBSTITUTE FOR RAW MATERIALS
M. Suffo, M.d.l. Mata, S.I. Molina
Journal of Cleaner Production, 257 (6:2020), 120382[1]-120382[12] (2020)
DOI: http://doi.org/10.1016/j.jclepro.2020.120382
Factor de Impacto: JCR(9,297), SJR(1,937)
Posición en categoría JCR: 3/44 Q1 T1 D1 (Green & Sustainable Science & Technology)

234.- EXFOLIATED GRAPHENE OXIDE-BASED NANOFLUIDS WITH ENHANCED THERMAL AND OPTICAL PROPERTIES FOR SOLAR COLLECTORS IN CONCENTRATING SOLAR POWER
T. Aguilar, E. Sani, L. Mercatelli, I. Carrillo-Berdugo, E. Torres, J. Navas
Journal of Molecular Liquids, 306 (5:2020), 112862[1]-112862[9] (2020)
DOI: http://doi.org/10.1016/j.molliq.2020.112862
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

235.- UNAMBIGUOUS LOCALIZATION OF TITANIUM AND IRON CATIONS IN DOPED MANGANESE HOLLANDITE NANOWIRES
I. Gómez-Recio, A. Azor-Lafarga, M.L. Ruiz-González, M. Hernando, M. Parras, J.J.

Calvino, M.T. Fernández- Díaz, D. Portehault, C. Sánchez, J.M. González-Calbet
Chemical Communications, 56 (35), 4812-4815 (2020)
DOI: http://doi.org/10.1039/d0cc01888k
Factor de Impacto: JCR(6,222), SJR(1,837)
Posición en categoría JCR: 44/179 Q1 T1 D3 (Chemistry, Multidisciplinary)

236.- THE ROLE OF THE INTERACTIONS AT THE TUNGSTEN DISULPHIDE SURFACE IN THE STABILITY AND ENHANCED THERMAL PROPERTIES OF NANOFLUIDS WITH APPLICATION IN SOLAR THERMAL ENERGY
P. Martínez-Merino, A. Sánchez-Coronilla, R. Alcántara, E.I. Martín, I. Carrillo-Berdugo, R. Gómez-Villarejo, J. Navas
Nanomaterials, 10 (5), 970[1]-970[16] (2020)
DOI: http://doi.org/10.3390/nano10050970
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

237.- INFLUENCE OF THE DEGREE OF CURE IN THE BULK PROPERTIES OF GRAPHITE NANOPLATELETS NANOCOMPOSITES PRINTED VIA STEREOLITHOGRAPHY
A.S. De León, S.I. Molina
Polymers, 12 (5), 1103[1]-1103[15] (2020)
DOI: http://doi.org/10.3390/POLYM12051103
Factor de Impacto: JCR(4,329), SJR(0,77)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

238.- IN-DEPTH STRUCTURAL AND OPTICAL ANALYSIS OF CE-MODIFIED ZnO NANOPOWDERS WITH ENHANCED PHOTOCATALYTIC ACTIVITY PREPARED BY MICROWAVE-ASSISTED HYDROTHERMAL METHOD
O. Bazta, A. Urbieta, S. Trasobares, J. Piqueras, P. Fernández, M. Addou, J.J. Calvino, A.B. Hungría
Catalysts, 10 (5), 551[1]-551[19] (2020)
DOI: http://doi.org/10.3390/catal10050551
Factor de Impacto: JCR(4,146), SJR(0,8)
Posición en categoría JCR: 67/162 Q2 T2 D5 (Chemistry, Physical)

239.- FUNCTION FOLLOWS FORM: FROM SEMICONDUCTING TO METALLIC TOWARD SUPERCONDUCTING PBS NANOWIRES BY FACETING THE CRYSTAL
M.M. Ramin Moayed, S. Kull, A. Rieckmann, P. Beck, M. Wagstaffe, H. Noei, A. Kornowski, A.B. Hungria, R. Lesyuk, A. Stierle, C. Klinke
Advanced Functional Materials, 30 (19), 1910503[1]-1910503[10] (2020)
DOI: http://doi.org/10.1002/adfm.201910503
Factor de Impacto: JCR(18,808), SJR(6,069)
Posición en categoría JCR: 15/335 Q1 T1 D1 (Materials Science, Multidisciplinary)

240.- A SIMPLE, LONG-LASTING TREATMENT FOR CONCRETE BY COMBINING HYDROPHOBIC PERFORMANCE WITH A PHOTOINDUCED SUPERHYDROPHILIC SURFACE FOR EASY REMOVAL OF OIL POLLUTANTS

L.A.M. Carrascosa, R. Zarzuela, N. Badreldin, M.J. Mosquera
ACS applied materials & interfaces, 12 (17), 19974-19987 (2020)
DOI: http://doi.org/10.1021/acsami.0c03576
Factor de Impacto: JCR(9,229), SJR(2,535)
Posición en categoría JCR: 44/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

241.- ON THE IMPORTANCE OF LIGHT SCATTERING FOR HIGH PERFORMANCES NANOSTRUCTURED ANTIREFLECTIVE SURFACES
F. Maudet, B. Lacroix, A.J. Santos, F. Paumier, M. Paraillous, S. Hurand, A. Corvisier, C. Dupeyrat, R. García, F.M. Morales, T. Girardeau
Acta Materialia, 188 (4:2020), 386-393 (2020)
DOI: http://doi.org/10.1016/j.actamat.2020.02.014
Factor de Impacto: JCR(8,203), SJR(3,322)
Posición en categoría JCR: 2/80 Q1 T1 D1 (Metallurgy & Metallurgical Engineering)

242.- HETEROMETALLIC TITANIUM-ORGANIC FRAMEWORKS BY METAL-INDUCED DYNAMIC TOPOLOGICAL TRANSFORMATIONS
N.M. Padial, B. Lerma-Berlanga, N. Almora-Barrios, J. Castells-Gil, I. Da Silva, M. De La Mata, S.I. Molina, J. Hernández-Saz, A.E. Platero-Prats, S. Tatay, C. MartÍ-Gastaldo
Journal of the American Chemical Society, 142 (14), 6638-6648 (2020)
DOI: http://doi.org/10.1021/jacs.0c00117
Factor de Impacto: JCR(15,419), SJR(7,115)
Posición en categoría JCR: 15/179 Q1 T1 D1 (Chemistry, Multidisciplinary)

243.- GREEN NANOMATERIALS FOSTERING AGRIFOOD SUSTAINABILITY
C. Bartolucci, A. Antonacci, F. Arduini, D. Moscone, L. Fraceto, E. Campos, R. Attaallah, A. Amine, C. Zanardi, L.M. Cubillana-Aguilera, J.M. Palacios Santander, V. Scognamiglio
TrAC - Trends in Analytical Chemistry, 125 (4:2020), 115840[1]-115840[14] (2020)
DOI: http://doi.org/10.1016/j.trac.2020.115840
Factor de Impacto: JCR(12,296), SJR(2,283)
Posición en categoría JCR: 1/83 Q1 T1 D1 (Chemistry, Analytical)

244.- ULTRATHIN WASHCOAT AND VERY LOW LOADING MONOLITHIC CATALYST WITH OUTSTANDING ACTIVITY AND STABILITY IN DRY REFORMING OF METHANE
F. Agueniou, H. Vidal, M.P. Yeste, J.C. Hernández-Garrido, M.A. Cauqui, J.M. Rodríguez-Izquierdo, J.J. Calvino, J.M. Gatica
Nanomaterials, 10 (3), 445[1]-445[7] (2020)
DOI: http://doi.org/10.3390/nano10030445
Factor de Impacto: JCR(5,076), SJR(0,919)
Posición en categoría JCR: 35/160 Q1 T1 D3 (Physics, Applied)

245.- PERFORMANCE OF A DIRECT METHANE SOLID OXIDE FUEL CELL USING NICKEL-CERIA-YTTRIA STABILIZED ZIRCONIA AS THE ANODE
M.J. Escudero, M.P. Yeste, M.Á. Cauqui, M.Á. Muñoz
Materials, 13 (3), 599[1]-599[18] (2020)
DOI: http://doi.org/10.3390/ma13030599

Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

246.- ANALYSIS BY HR-STEM OF THE STRAIN GENERATION IN INP AFTER SIN X DEPOSITION AND ICP ETCHING
M. Gutiérrez, D.F. Reyes, D. Araújo, J.P. Landesman, E. Pargon
Journal of Electronic Materials, 49 (59), 5226-5231 (2020)
DOI: http://doi.org/10.1007/s11664-020-08312-6
Factor de Impacto: JCR(1,938), SJR(0,422)
Posición en categoría JCR: 102/160 Q3 T2 D7 (Physics, Applied)

247.- DIAMOND/Γ-ALUMINA BAND OFFSET DETERMINATION BY XPS
J. Cañas, G. Alba, D. Leinen, F. Lloret, M. Gutierrez, D. Eon, J. Pernot, E. Gheeraert, D. Araújo
Applied Surface Science, 535 (1), 146301[1]-146301[8] (2020)
DOI: http://doi.org/10.1016/j.apsusc.2020.146301
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

248.- ROLE OF THE WILD CAROB AS BIOSORBENT AND AS PRECURSOR OF A NEW HIGH-SURFACE-AREA ACTIVATED CARBON FOR THE ADSORPTION OF METHYLENE BLUE
M. Bounaas, A. Bouguettoucha, D. Chebli, J.M. Gatica, H. Vidal
Arabian Journal for Science and Engineering, 46, 326-341 (2020)
DOI: http://doi.org/10.1007/s13369-020-04739-5
Factor de Impacto: JCR(2,334), SJR(0,36)
Posición en categoría JCR: 38/73 Q3 T2 D6 (Multidisciplinary Sciences)

249.- IMPROVING STABILITY AND THERMAL PROPERTIES OF TiO2-BASED NANOFLUIDS FOR CONCENTRATING SOLAR ENERGY USING TWO METHODS OF PREPARATION
T. Aguilar, I. Carrillo-Berdugo, P. Martínez-Merino, A. Yasinskiy, M. Rodríguez-Fernández, J. Navas
Journal of Thermal Analysis and Calorimetry, 140 (2), 1-11 (2020)
DOI: http://doi.org/10.1007/s10973-020-09615-w
Factor de Impacto: JCR(4,626), SJR(0,521)
Posición en categoría JCR: 8/62 Q1 T1 D2 (Thermodynamics)

250.- STRUCTURAL MODULATION AND DIRECT MEASUREMENT OF SUBNANOMETRIC BIMETALLIC PTSN CLUSTERS CONFINED IN ZEOLITES
L. Liu, M. López-Haro, C.W. Lopes, S. Rojas-Buzo, P. Concepción, R. Manzorro, L. Simonelli, A. Sattler, P. Serna, J.J. Calvino, A. Corma
Nature Catalysis, 3 (8:2020), 628-638 (2020)
DOI: http://doi.org/10.1038/s41929-020-0472-7
Factor de Impacto: SJR(14,33)
Posición en categoría JCR: No indexada.

251.- DETERMINATION OF THERMODYNAMIC CHARACTERISTICS OF PHASE-STABILIZED AMMONIUM NITRATE BASED HIGH-ENERGY SOLID COMBUSTIBLE MATERIALS

S.K. Aknazarov, A.B. Seisenova, O.Y. Golovchenko, N.Y. Golovchenko, J.M. Gonzalez-Leal
Combustion Science and Technology, 0 (0), 1-17 (2020)
DOI: http://doi.org/10.1080/00102202.2020.1786076
Factor de Impacto: JCR(2,174), SJR(0,554)
Posición en categoría JCR: 46/91 Q3 T2 D6 (Engineering, Multidisciplinary)

252.- SYNTHESIS OF PALLADIUM-RHODIUM BIMETALLIC NANOPARTICLES FOR FORMIC ACID DEHYDROGENATION
I. Barlocco, S. Capelli, E. Zanella, X. Chen, J.J. Delgado, A. Roldan, N. Dimitratos, A. Villa
Journal of Energy Chemistry, 52, 301-309 (2020)
DOI: http://doi.org/10.1016/j.jechem.2020.04.031
Factor de Impacto: JCR(9,676), SJR(1,955)
Posición en categoría JCR: 2/74 Q1 T1 D1 (Chemistry, Applied)

253.- FAST ELECTROANALYTICAL DETERMINATION OF CANNABIDIOL AND CANNABINOL IN AQUEOUS SOLUTION USING SONOGEL-CARBON-PEDOT DEVICES
D. López-Iglesias, J.J. García-Guzmán, C. Zanardi, J.M. Palacios-Santander, L. Cubillana-Aguilera, L. Pigani Journal of Electroanalytical Chemistry, 878 (12:2020), 114591[1]-114591[8] (2020)
DOI: http://doi.org/10.1016/j.jelechem.2020.114591
Factor de Impacto: JCR(4,464), SJR(0,845)
Posición en categoría JCR: 20/83 Q1 T1 D3 (Chemistry, Analytical)

254.- CHARACTERIZATION OF PLASTIC BEACH LITTER BY RAMAN SPECTROSCOPY IN SOUTH-WESTERN SPAIN
F. Asensio-Montesinos, M. Oliva Ramírez, J.M. González-Leal, D. Carrizo, G. Anfuso
Science of the Total Environment, 744 (11:2020), 140890[1]-140890[12] (2020)
DOI: http://doi.org/10.1016/j.scitotenv.2020.140890
Factor de Impacto: JCR(7,963), SJR(1,795)
Posición en categoría JCR: 25/274 Q1 T1 D1 (Environmental Sciences)

255.- ATOMIC-LEVEL UNDERSTANDING ON THE EVOLUTION BEHAVIOR OF SUBNANOMETRIC PT AND SN SPECIES DURING HIGH-TEMPERATURE TREATMENTS FOR GENERATION OF DENSE PTSN CLUSTERS IN ZEOLITES
L. Liu, M. López-Haro, C.W. Lopes, D.M. Meira, P. Concepción, J.J. Calvino, A. Corma
Journal of Catalysis, 391 (11:2020), 11-24 (2020)
DOI: http://doi.org/10.1016/j.jcat.2020.07.035
Factor de Impacto: JCR(7,92), SJR(2,337)
Posición en categoría JCR: 15/143 Q1 T1 D2 (Engineering, Chemical)

256.- THE EFFECT OF OBLIQUE-ANGLE SPUTTERING ON LARGE AREA DEPOSITION: A UNIDIRECTIONAL ULTRATHIN AU PLASMONIC FILM GROWTH DESIGN
H. Bakkali, E. Blanco, M. Domínguez, M.B. de la Mora, C. Sánchez-Aké, M. Villagrán-Muniz, D.S. Schmool, B. Berini, S.E. Lofland
Nanotechnology, 31 (44), 445701[1]-445701[10] (2020)
DOI: http://doi.org/10.1088/1361-6528/aba65b

Factor de Impacto: JCR(3,874), SJR(0,926)
Posición en categoría JCR: 44/160 Q2 T1 D3 (Physics, Applied)

257.- PHOTOCATALYTIC DEGRADATION OF PHARMACEUTICALLY ACTIVE COMPOUNDS (PHACS) IN URBAN WASTEWATER TREATMENT PLANTS EFFLUENTS UNDER CONTROLLED AND NATURAL SOLAR IRRADIATION USING IMMOBILIZED TIO2
J.J. Rueda-Márquez, C. Palacios-Villarreal, M. Manzano, E. Blanco, M. Ramírez del Solar, I. Levchuk
Solar Energy, 208 (9:2020), 480-492 (2020)
DOI: http://doi.org/z
Factor de Impacto: JCR(5,742), SJR(1,337)
Posición en categoría JCR: 38/114 Q2 T2 D4 (Energy & Fuels)

258.- REGIOSELECTIVE GENERATION OF SINGLE-SITE IRIDIUM ATOMS AND THEIR EVOLUTION INTO STABILIZED SUBNANOMETRIC IRIDIUM CLUSTERS IN MWW ZEOLITE
L. Liu, M. López-Haro, D.M. Meira, P. Concepción, J.J. Calvino, A. Corma
Angewandte Chemie - International Edition, 59 (36), 15695-15702 (2020)
DOI: http://doi.org/10.1002/anie.202005621
Factor de Impacto: JCR(15,336), SJR(5,831)
Posición en categoría JCR: 16/179 Q1 T1 D1 (Chemistry, Multidisciplinary)

259.- AU-NIO: X NANOCOMPOSITE FOR HOT ELECTRON-ASSISTED PLASMONIC PHOTOCATALYSIS
D. Fragua, J. Noguera-Gómez, P.J. Rodríguez-Canto, L.M. Valencia, M. de La Mata, M. Herrera, S.I. Molina, R. Abargues
Journal of Materials Chemistry C, 8 (29), 9885-9897 (2020)
DOI: http://doi.org/10.1039/d0tc01507e
Factor de Impacto: JCR(7,393), SJR(1,899)
Posición en categoría JCR: 25/160 Q1 T1 D2 (Physics, Applied)

260.- SYNTHESIS AND CHARACTERISATION OF ACRYLIC RESIN-AL POWDER COMPOSITES SUITABLE FOR ADDITIVE MANUFACTURING
J.J. Relinque, I. Romero-Ocaña, F.J. Navas-Martos, F.J. Delgado, M. Domínguez, S.I. Molina
Polymers, 12 (8), 1642[1]-1642[17] (2020)
DOI: http://doi.org/10.3390/POLYM12081642
Factor de Impacto: JCR(4,329), SJR(0,77)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

261.- PHOTO-ELECTROCHEMICAL PROPERTIES OF CuO-TiO2 HETERO JUNCTIONS FOR GLUCOSE SENSING D.M. Tobaldi, C. Espro, S.G. Leonardi, L. Lajaunie, M.P. Seabra, J.J. Calvino, S. Marini, J.A. Labrincha, G. Neri
Journal of Materials Chemistry C, 8 (28), 9529-9539 (2020)
DOI: http://doi.org/10.1039/d0tc01975e
Factor de Impacto: JCR(7,393), SJR(1,899)
Posición en categoría JCR: 25/160 Q1 T1 D2 (Physics, Applied)

262.- EFFECT OF MULTIFUNCTIONAL NANOCATALYSTS ON N-C7 ASPHALTENE ADSORPTION AND SUBSEQUENT OXIDATION UNDER HIGH-PRESSURE CONDITIONS
O.E. Medina, J. Gallego, C.M. Olmos, X. Chen, F.B. Cortés, C.A. Franco
Energy & Fuels, 34 (5), 6261-6278 (2020)
DOI: http://doi.org/10.1021/acs.energyfuels.0c00653
Factor de Impacto: JCR(3,605), SJR(0,861)
Posición en categoría JCR: 57/143 Q2 T2 D4 (Engineering, Chemical)

263.- STUDY OF EARLY STAGES IN THE GROWTH OF BORON-DOPED DIAMOND ON CARBON FIBERS
J. Millán-Barba, M. Gutiérrez, F. Lloret, R.G. de Villoria, R. Alcántara, K. Haenen, D. Araújo
Physica Status Solidi (A) Applications and Materials Science, 218 (5), 1-6 (2020)
DOI: http://doi.org/10.1002/pssa.202000284
Factor de Impacto: JCR(1,981), SJR(0,532)
Posición en categoría JCR: 100/160 Q3 T2 D7 (Physics, Applied)

264.- RAIN SIMULATION DEVICE TO TEST DURABILITY OF BUILDING MATERIALS
M.L.A. Gil, L.A.M. Carrascosa, A. Gonzalez, M.J. Mosquera, M. Galán, A. Morgado-Estevez, J. Vilaverde- Ramallo, M. Palomo-Duarte
Science and Digital Technology for Cultural Heritage & Interdisciplinary Approach to Diagnosis, Vulnerability, Risk Assessment and Graphic Information Models - Proceedings of the 4th International Congress Science and Technology for the conservation of cultural heritage, TECHNOHERITAGE 2019, 1 (1), 358-362 (2020)
DOI: http://doi.org/10.1201/9780429345470-68
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

265.- CO2 HYDROGENATION TO METHANOL ON Ga2O3-Pd/SiO2 CATALYSTS: DUAL OXIDE-METAL SITES OR (BI)METALLIC SURFACE SITES?
S.E. Collins, M.A. Baltanás, J.J. Delgado, A. Borgna, A.L. Bonivardi
Catalysis Today, In Press (2020)
DOI: http://doi.org/10.1016/j.cattod.2020.07.048
Factor de Impacto: JCR(6,766), SJR(1,397)
Posición en categoría JCR: 10/74 Q1 T1 D2 (Chemistry, Applied)

266.- IN SITU APPLICATION OF A CONSOLIDANT ON THE ROMAN THEATRE OF CÁDIZ
G.M.C. Gemelli, M.J. Mosquera, M. Galán, A. Pelaez, J.M. Perez, M.L.A. Gil Montero
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DOI: http://doi.org/10.1201/9780429345470-67
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

267.- ON BOARD ADDITIVE MANUFACTURING OF SPARE PARTS FOR THE NAVAL SECTOR
D. Moreno-Sánchez, J.D. Rodríguez, A. Domínguez-Calvo, S.I. Molina, E. Corrales-Estárico, V. Casal, F. Abad RINA, Royal Institution of Naval Architects - International Conference on Marine Design 2020, Papers, 1 (1:2020), 75-81 (2020)
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

268.- BUTANE DRY REFORMING CATALYZED BY COBALT OXIDE SUPPORTED ON TI2ALC MAX PHASE
M. Ronda-Lloret, V.S. Marakatti, W.G. Sloof, J.J. Delgado, A. Sepúlveda-Escribano, E.V. Ramos-Fernández, G. Rothenberg, N.R. Shiju
ChemSusChem, 13 (23), 6401-6408 (2020)
DOI: http://doi.org/10.1002/cssc.202001633
Factor de Impacto: JCR(8,928), SJR(2,412)
Posición en categoría JCR: 4/44 Q1 T1 D1 (Green & Sustainable Science & Technology)

269.- HYDROXYL GROUPS INDUCE BIOACTIVITY IN SILICA/CHITOSAN AEROGELS DESIGNED FOR BONE TISSUE ENGINEERING. IN VITRO MODEL FOR THE ASSESSMENT OF OSTEOBLASTS BEHAVIOR
A. Perez-Moreno, M.d.l.V. Reyes-Peces, D.M. de los Santos, G. Pinaglia-Tobaruela, E. de la Orden, J.I. Vilches- Pérez, M. Salido, M. Piñero, N. de la Rosa-Fox
Polymers, 12 (12), 1-22 (2020)
DOI: http://doi.org/10.3390/polym12122802
Factor de Impacto: JCR(4,329), SJR(0,77)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

270.- INSIGHTS INTO THE STABILITY AND THERMAL PROPERTIES OF WSE2-BASED NANOFLUIDS FOR CONCENTRATING SOLAR POWER PREPARED BY LIQUID PHASE EXFOLIATION
P. Martínez-Merino, A. Sánchez-Coronilla, R. Alcántara, E.I. Martín, J. Navas
Journal of Molecular Liquids, 319 (12:2020), 114333[1]-114333[10] (2020)
DOI: http://doi.org/10.1016/j.molliq.2020.114333
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

271.- BOND REACTIVITY INDICES APPROACH ANALYSIS OF THE [2+2] CYCLOADDITION OF JATROPHANE SKELETON DITERPENOIDS FROM EUPHORBIA GADITANA COSS TO TETRACYCLIC GADITANONE
M.E. Flores-Giubi, J.M. Botubol-Ares, M.J. Durán-Peña, F. Escobar-Montaño, D. Zorrilla, J. Sánchez-Márquez, E. Muñoz, A.J. Macías-Sánchez, R. Hernández-Galán
Phytochemistry, 180 (12:2020), 112519[1]-112519[9] (2020)
DOI: http://doi.org/10.1016/j.phytochem.2020.112519
Factor de Impacto: JCR(4,072), SJR(0,82)
Posición en categoría JCR: 44/235 Q1 T1 D2 (Plant Sciences)

272.- PREPARATION AND CHARACTERIZATION OF REUSABLE SONOGEL-CARBON ELECTRODES CONTAINING CARBON BLACK: APPLICATION AS AMPEROMETRIC SENSORS FOR DETERMINATION OF CATHECOL
L. Pigani, C. Rioli, D. López-Iglesias, C. Zanardi, B. Zanfrognini, L.M. Cubillana-Aguilera, J.M. Palacios- Santander
Journal of Electroanalytical Chemistry, 877 (10), 114653[1]-114653[8] (2020)
DOI: http://doi.org/10.1016/j.jelechem.2020.114653
Factor de Impacto: JCR(4,464), SJR(0,845)
Posición en categoría JCR: 20/83 Q1 T1 D3 (Chemistry, Analytical)

273.- CHITOSAN-GPTMS-SILICA HYBRID MESOPOROUS AEROGELS FOR BONE TISSUE ENGINEERING
M.V. Reyes-Peces, A. Pérez-Moreno, D.M. De-Los-santos, M.D.M. Mesa-Díaz, G. Pinaglia-Tobaruela, J.I. Vilches-Pérez, R. Fernández-Montesinos, M. Salido, N. de la Rosa-Fox, M. Piñero
Polymers, 12 (11), 1-24 (2020)
DOI: http://doi.org/10.3390/polym12112723
Factor de Impacto: JCR(4,329), SJR(0,77)
Posición en categoría JCR: 18/88 Q1 T1 D3 (Polymer Science)

274.- DESIGN OF A BIO-BASED DEVICE FOR MICRO TOTAL ANALYSIS COMBINING FUSED DEPOSITION MODELING AND LAYER-BY-LAYER TECHNOLOGIES
A.S. de León, R.M. de Frutos, S.I. Molina
Macromolecular Materials and Engineering, 305 (11), 2000461[1]-2000461[9] (2020)
DOI: http://doi.org/10.1002/mame.202000461
Factor de Impacto: JCR(4,367), SJR(0,913)
Posición en categoría JCR: 17/88 Q1 T1 D2 (Polymer Science)

275.- INVESTIGATIONS OF CARBON NITRIDE-SUPPORTED MN3 O4 OXIDE NANOPARTICLES FOR ORR
A.I. Large, S. Wahl, S. Abate, I. da Silva, J.J.D. Jaen, N. Pinna, G. Held, R. Arrigo
Catalysts, 10 (11), 1-19 (2020)
DOI: http://doi.org/10.3390/catal10111289
Factor de Impacto: JCR(4,146), SJR(0,8)
Posición en categoría JCR: 67/162 Q2 T2 D5 (Chemistry, Physical)

276.- INTERSTELLAR OXYGEN ALONG THE LINE OF SIGHT OF CYGNUS X-2
I. Psaradaki, E. Costantini, M. Mehdipour, D. Rogantini, C.P. De Vries, F. De Groot, H. Mutschke, S. Trasobares, L.B.F.M. Waters, S.T. Zeegers
Astronomy and Astrophysics, 642 (2020), A208[1]-A208[15] (2020)
DOI: http://doi.org/10.1051/0004-6361/202038749
Factor de Impacto: JCR(5,802), SJR(2,137)
Posición en categoría JCR: 12/68 Q1 T1 D2 (Astronomy & Astrophysics)

277.- UNDERSTANDING THE SPECIFIC HEAT ENHANCEMENT IN METAL-CONTAINING NANOFLUIDS FOR THERMAL ENERGY STORAGE: EXPERIMENTAL AND AB INITIO EVIDENCE FOR A STRONG INTERFACIAL LAYERING EFFECT

I. Carrillo-Berdugo, S.D. Midgley, R. Grau-Crespo, D. Zorrilla, J. Navas
ACS Applied Energy Materials, 3 (9), 9246-9256 (2020)
DOI: http://doi.org/10.1021/acsaem.0c01556
Factor de Impacto: JCR(6,024), SJR(1,833)
Posición en categoría JCR: 87/335 Q2 T1 D3 (Materials Science, Multidisciplinary)

278.- MECHANICAL CHARACTERIZATION OF SOL-GEL ALUMINA-BASED CERAMICS WITH INTRAGRANULAR REINFORCEMENT OF MULTIWALLED CARBON NANOTUBES
P. Rivero-Antúnez, R. Cano-Crespo, L. Esquivias, N.d.l. Rosa-Fox, C. Zamora-Ledezma, A. Domínguez- Rodríguez, V. Morales-Flórez
Ceramics International, 46 (12), 19723-19730 (2020)
DOI: http://doi.org/10.1016/j.ceramint.2020.04.285
Factor de Impacto: JCR(4,527), SJR(0,936)
Posición en categoría JCR: 3/29 Q1 T1 D2 (Materials Science, Ceramics)

279.- QUANTIFYING PHASE TRANSFORMATION DURING THE MANUFACTURING PROCESS OF AISI 430 FERRITIC STAINLESS STEEL
I. Collado, A. Núez Galindo, A. Ruiz, J.F. Almagro Bello, F.J. Botana
IOP Conference Series: Materials Science and Engineering, 891 (1), 012007[1]-012007[13] (2020)
DOI: http://doi.org/10.1088/1757-899X/891/1/012007
Factor de Impacto: SJR(0,0)
Posición en categoría JCR: No indexada.

280.- DIVERGENCE OF THE DIELECTRIC CONSTANT IN ULTRATHIN GRANULAR METAL FILMS NEAR THE PERCOLATION THRESHOLD
H. Bakkali, E. Blanco, S.E. Lofland, M. Domínguez
New Journal of Physics, 22 (8), 083018[1]-083018[8] (2020)
DOI: http://doi.org/10.1088/1367-2630/aba021
Factor de Impacto: JCR(3,729), SJR(1,584)
Posición en categoría JCR: 22/85 Q2 T1 D3 (Physics, Multidisciplinary)

281.- TUNING THE INTEGRATION RATE OF CE(LN)O2 NANOCLUSTERS INTO NANOPARTICULATED ZRO2 SUPPORTS: WHEN THE CATION SIZE MATTERS
A. Barroso-Bogeat, I.D. Raposo, G. Blanco, J.M. Pintado
Materials, 13 (12), 1-27 (2020)
DOI: http://doi.org/10.3390/ma13122818
Factor de Impacto: JCR(3,623), SJR(0,682)
Posición en categoría JCR: 17/80 Q1 T1 D3 (Metallurgy & Metallurgical Engineering)

282.- NOVELTY WITHOUT NOBILITY: OUTSTANDING Ni/Ti-SiO2 CATALYSTS FOR PROPYLENE EPOXIDATION
J. García-Aguilar, J. Fernández-Catalá, J. Juan-Juan, I. Such-Basáñez, L.E. Chinchilla, J.J. Calvino-Gámez, D. Cazorla-Amorós, (No indexada) Berenguer-Murcia
Journal of Catalysis, 386 (6:2020), 94-105 (2020)
DOI: http://doi.org/10.1016/j.jcat.2020.04.006

Factor de Impacto: JCR(7,92), SJR(2,337)
Posición en categoría JCR: 15/143 Q1 T1 D2 (Engineering, Chemical)

283.- DEALING WITH CLIMATE PARAMETERS IN THE FABRICATION OF PEROVSKITE SOLAR CELLS UNDER AMBIENT CONDITIONS
L. Contreras-Bernal, A. Riquelme, J.J. Gallardo, J. Navas, J. Idígoras, J.A. Anta
ACS Sustainable Chemistry and Engineering, 8 (18), 7132-7138 (2020)
DOI: http://doi.org/10.1021/acssuschemeng.0c01481
Factor de Impacto: JCR(8,198), SJR(1,878)
Posición en categoría JCR: 14/143 Q1 T1 D1 (Engineering, Chemical)

284.- CUO-CONTAINING OIL-BASED NANOFLUIDS FOR CONCENTRATING SOLAR POWER: AN EXPERIMENTAL AND COMPUTATIONAL INTEGRATED INSIGHT
E. Torres, I. Carrillo-Berdugo, D. Zorrilla, J. Sánchez-Márquez, J. Navas
Journal of Molecular Liquids, 325 (1), 114643 (2020)
DOI: http://doi.org/10.1016/j.molliq.2020.114643
Factor de Impacto: JCR(6,165), SJR(0,929)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

285.- PURCELL ENHANCEMENT AND WAVELENGTH SHIFT OF EMITTED LIGHT BY CSPBI3PEROVSKITE NANOCRYSTALS COUPLED TO HYPERBOLIC METAMATERIALS
H.P. Adl, S. Gorji, M.K. Habil, I. Suárez, V.S. Chirvony, A.F. Gualdrón-Reyes, I. Mora-Seró, L.M. Valencia, M. De La Mata, J. Hernández-Saz, S.I. Molina, C.J. Zapata-Rodríguez, J.P. Martínez-Pastor
ACS Photonics, 7 (11), 3152–3160 (2020)
DOI: http://doi.org/10.1021/acsphotonics.0c01219
Factor de Impacto: JCR(7,529), SJR(2,735)
Posición en categoría JCR: 10/99 Q1 T1 D2 (Optics)

286.- GLUTATHIONE-MAGNETITE NANOPARTICLES: SYNTHESIS AND PHYSICAL CHARACTERIZATION FOR APPLICATION AS MRI CONTRAST AGENT
J.J. Beato-López, M. Domínguez, M. Ramírez-del-solar
SN Applied Sciences, 2 (2020), 1202[1]-1202[14] (2020)
DOI: http://doi.org/10.1007/s42452-020-3010-y
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

287.- APPLICATIONS OF CHITOSAN IN MOLECULARLY AND ION IMPRINTED POLYMERS
A. Karrat, A. Lamaoui, A. Amine, J.M. Palacios-Santander, L. Cubillana-Aguilera
Chemistry Africa, 3, 513-533 (2020)
DOI: http://doi.org/10.1007/s42250-020-00177-w
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

288.- QUATERNARY LnxLa(1−x)S-TaS2 NANOTUBES (Ln=Pr, Sm, Ho, AND Yb) AS A VEHICLE FOR IMPROVING THE YIELD OF MISFIT NANOTUBES
M. Serra, L. Lajaunie, M.B. Sreedhara, Y. Miroshnikov, I. Pinkas, J.J. Calvino, A.N.

Enyashin, R. Tenne
Applied Materials Today, 19 (6:2020), 100581[1]-100581[11] (2020)
DOI: http://doi.org/10.1016/j.apmt.2020.100581
Factor de Impacto: JCR(10,041), SJR(2,287)
Posición en categoría JCR: 39/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

289.- STUDY OF THE PHYSICOCHEMICAL SURFACE ALTERATIONS AND INCUBATION PHENOMENA INDUCED ON IRON TARGETS BY NANOSECOND PULSED LASER ABLATION IN LIQUIDS: EFFECT ON PRODUCTIVITY AND CHARACTERISTICS OF THE SYNTHESIZED NANOSCALE ZERO-VALENT IRON (NZVI) PARTICLES
R. Lahoz, A. Naghilou, W. Kautek, O. Bomati-Miguel
Applied Surface Science, 511 (5:2020), 145438[1]-145438[13] (2020)
DOI: http://doi.org/10.1016/j.apsusc.2020.145438
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

290.- SIMULTANEOUS OPTICAL AND ELECTRICAL CHARACTERIZATION OF GAN NANOWIRE ARRAYS BY MEANS OF VIS-IR SPECTROSCOPIC ELLIPSOMETRY
A.J. Santos, B. Lacroix, E. Blanco, S. Hurand, V.J. Gómez, F. Paumier, T. Girardeau, D.L. Huffaker, R. García, F.M. Morales
Journal of Physical Chemistry C, 124 (2020), 1535-1543 (2020)
DOI: http://doi.org/10.1021/acs.jpcc.9b10556
Factor de Impacto: JCR(4,126), SJR(1,401)
Posición en categoría JCR: 124/335 Q2 T2 D4 (Materials Science, Multidisciplinary)

291.- FORMATION MECHANISMS OF AGGLOMERATIONS IN HIGH-DENSITY InAs/GaAs QUANTUM DOT MULTI-LAYER STRUCTURES
N. Ruiz-Marín, D.F. Reyes, V. Braza, S. Flores, A. Gonzalo, J.M. Ulloa, T. Ben, D. González
Applied Surface Science, 508 (4:2020), 145218[1]-145218[7] (2020)
DOI: http://doi.org/10.1016/j.apsusc.2019.145218
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

292.- PRODUCING C-S-H GEL BY REACTION BETWEEN SILICA OLIGOMERS AND PORTLANDITE: A PROMISING APPROACH TO REPAIR CEMENTITIOUS MATERIALS
R. Zarzuela, M. Luna, L.M. Carrascosa, M.P. Yeste, I. Garcia-Lodeiro, M.T. Blanco-Varela, M.A. Cauqui, J.M. Rodríguez-Izquierdo, M.J. Mosquera
Cement and Concrete Research, 130 (4:2020), 106008[1]-106008[15] (2020)
DOI: http://doi.org/10.1016/j.cemconres.2020.106008
Factor de Impacto: JCR(10,933), SJR(4,628)
Posición en categoría JCR: 2/66 Q1 T1 D1 (Construction & Building Technology)

293.- SURFACE CHARACTERIZATION OF TWO Ce0.62ZR0.38O2 MIXED OXIDES WITH DIFFERENT REDUCIBILITY M.P. Yeste, P.A. Primus, R. Alcantara, M.A. Cauqui, J.J. Calvino, J.M. Pintado, G. Blanco
Applied Surface Science, 503 (2:2020), 144255[1]-144255[9] (2020)

DOI: http://doi.org/10.1016/j.apsusc.2019.144255
Factor de Impacto: JCR(6,707), SJR(1,295)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

294.- IN SITU GENERATION OF Mn1−xCex SYSTEM ON CORDIERITE MONOLITHIC SUPPORTS FOR COMBUSTION OF N-HEXANE. EFFECTS ON ACTIVITY AND STABILITY
C.C. Díaz, M. Pilar Yeste, H. Vidal, J.M. Gatica, L.E. Cadús, M.R. Morales
Fuel, 262 (2:2020), 116564[1]-116564[12] (2020)
DOI: http://doi.org/10.1016/j.fuel.2019.116564
Factor de Impacto: JCR(6,609), SJR(1,56)
Posición en categoría JCR: 20/143 Q1 T1 D2 (Engineering, Chemical)

295.- NOVEL WS2-BASED NANOFLUIDS FOR CONCENTRATING SOLAR POWER: PERFORMANCE CHARACTERIZATION AND MOLECULAR-LEVEL INSIGHTS
P. Martínez-Merino, S.D. Midgley, E.I. Martín, P. Estellé, R. Alcántara, A. Sánchez-Coronilla, R. Grau-Crespo, J. Navas
ACS applied materials & interfaces, 12 (5), 5793-5804 (2020)
DOI: http://doi.org/10.1021/acsami.9b18868
Factor de Impacto: JCR(9,229), SJR(2,535)
Posición en categoría JCR: 44/335 Q1 T1 D2 (Materials Science, Multidisciplinary)

296.- BORON NITRIDE NANOTUBES-BASED NANOFLUIDS WITH ENHANCED THERMAL PROPERTIES FOR USE AS HEAT TRANSFER FLUIDS IN SOLAR THERMAL APPLICATIONS
R. Gómez-Villarejo, P. Estellé, J. Navas
Solar Energy Materials and Solar Cells, 205 (2:2020), 110266[1]-110266[13] (2020)
DOI: http://doi.org/10.1016/j.solmat.2019.110266
Factor de Impacto: JCR(7,267), SJR(1,839)
Posición en categoría JCR: 28/160 Q1 T1 D2 (Physics, Applied)

2019

297.- ASSESSMENT OF THE POLYPHENOL INDICES AND ANTIOXIDANT CAPACITY FOR BEERS AND WINES USING A TYROSINASE-BASED BIOSENSOR PREPARED BY SINUSOIDAL CURRENT METHOD
J.J. García-Guzmán, D. López-Iglesias, L. Cubillana-Aguilera, C. Lete, S. Lupu, J.M. Palacios-Santander, D. Bellido-Milla
Sensors, 19 (66), 1-14 (2019)
DOI: http://doi.org/10.3390/s19010066
Factor de Impacto: JCR(3,275), SJR(0,653)
Posición en categoría JCR: 15/64 Q1 T1 D3 (Instruments & Instrumentation)

298.- SYNTHESIS OF MESOPOROUS CERIA USING METAL- AND HALOGEN-FREE ORDERED MESOPOROUS CARBON AS A HARD TEMPLATE
F. Sakina, J.M. Muñoz-Ocaña, A. Bouziane, M. López-Haro, R.T. Baker
Nanoscale Advances , 1 (12), 4772-4782 (2019)
DOI: http://doi.org/10.1039/c9na00482c
Factor de Impacto: No indexada

Posición en categoría JCR: No indexada.

299.- ISOTHERM ANALYSIS FOR REMOVAL OF ORGANIC POLLUTANTS USING SYNTHESIZED Mo/Cu/Co- DOPED TiO NANOSTRUCRURED
S. Chahid, R. Alcantara, D.M. Los Santos
2019 International Conference on Optimization and Applications, ICOA 2019, 8727623[1]-8727623[9] (2019)
DOI: http://doi.org/10.1109/ICOA.2019.8727623
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

300.- OPTICAL AND TOMOGRAPHY STUDIES OF WATER-SOLUBLE GOLD NANOPARTICLES ON BACTERIAL EXOPOLYSACCHARIDES
A. González, V. Garcés, L. Sabio, F. Velando, M. López-Haro, N. Gálvez, J.J. Calvino, J.M. Domínguez-Vera Journal of Applied Physics, 126 (5), 53101[1]-53101[12] (2019)
DOI: http://doi.org/10.1063/1.5090879
Factor de Impacto: JCR(2,286), SJR(0,728)
Posición en categoría JCR: 70/154 Q2 T2 D5 (Physics, Applied)

301.- OPTICAL PROPERTIES OF METAMORPHIC TYPE-I InAs1−xSbx/AlγIn1−γAs QUANTUM WELLS GROWN ON GaAs FOR THE MID-INFRARED SPECTRAL RANGE
E. Repiso, C.A. Broderick, M. De La Mata, R. Arkani, Q. Lu, A.R.J. Marshall, S.I. Molina, E.P. O'Reilly, P.J. Carrington, A. Krier
Journal Physics D: Applied Physics, 52 (46), 465102[1]-465102[11] (2019)
DOI: http://doi.org/10.1088/1361-6463/ab37cf
Factor de Impacto: JCR(3,169), SJR(0,899)
Posición en categoría JCR: 44/154 Q2 T1 D3 (Physics, Applied)

302.- HAADF-STEM ELECTRON TOMOGRAPHY IN CATALYSIS RESEARCH
A.B. Hungría, J.J. Calvino, J.C. Hernández-Garrido
Topics in Catalysis, 62 (12), 808-821 (2019)
DOI: http://doi.org/10.1007/s11244-019-01200-2
Factor de Impacto: JCR(2,406), SJR(0,727)
Posición en categoría JCR: 26/71 Q2 T2 D4 (Chemistry, Applied)

303.- ONE-POT SYNTHESIS OF Au/N-TiO2 PHOTOCATALYSTS FOR ENVIRONMENTAL APPLICATIONS: ENHANCEMENT OF DYES AND NOX PHOTODEGRADATION
M. Luna, J.M. Gatica, H. Vidal, M.J. Mosquera
Powder Technology, 355 , 793-807 (2019)
DOI: http://doi.org/10.1016/j.powtec.2019.07.102
Factor de Impacto: JCR(4,142), SJR(0,998)
Posición en categoría JCR: 31/143 Q1 T1 D3 (Engineering, Chemical)

304.- CATALYTIC SOOT OXIDATION ACTIVITY OF NiO-CeO2 CATALYSTS PREPARED BY A COPRECIPITATION METHOD: INFLUENCE OF THE PREPARATION PH ON THE CATALYTIC PERFORMANCE
A.B. Aberkane, M.P. Yeste, D. Fayçal, D. Goma, M.Á. Cauqui

Materials, 12 (20), 3436[1]-3436[15] (2019)
DOI: http://doi.org/10.3390/ma12203436
Factor de Impacto: JCR(3,057), SJR(0,647)
Posición en categoría JCR: 132/314 Q2 T2 D5 (Materials Science, Multidisciplinary)

305.- CATALYTIC PERFORMANCE OF Ni/CeO2/X-ZrO2 (X = Ca, Y) CATALYSTS IN THE AQUEOUS-PHASE REFORMING OF METHANOL
D. Goma, J.J. Delgado, L. Lefferts, J. Faria, J.J. Calvino, M.Á. Cauqui
Nanomaterials, 9 (11), 1582[1]-1582[18] (2019)
DOI: http://doi.org/10.3390/nano9111582
Factor de Impacto: JCR(4,324), SJR(0,858)
Posición en categoría JCR: 89/314 Q2 T1 D3 (Materials Science, Multidisciplinary)

306.- IN SITU ECO ENCAPSULATION OF BIOACTIVE AGROCHEMICALS WITHIN FULLY ORGANIC NANOTUBES F.J.R. Mejías, S. Trasobares, M. López-Haro, R.M. Varela, J.M.G. Molinillo, J.J. Calvino, F.A. Macías
ACS applied materials & interfaces, 11 (45), 41925-41934 (2019)
DOI: http://doi.org/10.1021/acsami.9b14714
Factor de Impacto: JCR(8,758), SJR(2,568)
Posición en categoría JCR: 33/314 Q1 T1 D2 (Materials Science, Multidisciplinary)

307.- A NOVEL APPROACH FOR THE PREPARATION OF SILVER NANOPARTICLES SUPPORTED ON TITANATE NANOTUBES AND BENTONITE-APPLICATION IN THE SYNTHESIS OF HETEROCYCLIC COMPOUND DERIVATIVES
N. Ameur, G. Ferouani, Z. Belkadi, R. Bachir, J.J. Calvino, A. Hakkoum
Materials Research Express, 6 (12), 125051[1]-125051[12] (2019)
DOI: http://doi.org/10.1088/2053-1591/ab5734
Factor de Impacto: JCR(1,929), SJR(0,365)
Posición en categoría JCR: 203/314 Q3 T2 D7 (Materials Science, Multidisciplinary)

308.- STABILITY AND THERMAL PROPERTIES STUDY OF METAL CHALCOGENIDE-BASED NANOFLUIDS FOR CONCENTRATING SOLAR POWER
P. Martínez-Merino, T. Aguilar, J.J. Gallardo, I. Carrillo-Berdugo, R. Gómez-Villarejo, M. Rodríguez- Fernández, J. Navas
Energies, 12 (24), 4632[1]-4632[11] (2019)
DOI: http://doi.org/10.3390/en12244632
Factor de Impacto: JCR(2,702), SJR(0,635)
Posición en categoría JCR: 63/112 Q3 T2 D6 (Energy & Fuels)

309.- INHIBITION OF LIGHT EMISSION FROM THE METASTABLE TETRAGONAL PHASE AT LOW TEMPERATURES IN ISLAND-LIKE FILMS OF LEAD IODIDE PEROVSKITES
R. Chuliá-Jordán, N. Fernández-Delgado, E.J. Juárez-Pérez, I. Mora-Seró, M. Herrera, S.I. Molina, J.P. Martínez-Pastor
Nanoscale, 11 (46), 22378-22386 (2019)
DOI: http://doi.org/10.1039/c9nr07543g
Factor de Impacto: JCR(6,895), SJR(2,18)
Posición en categoría JCR: 23/154 Q1 T1 D2 (Physics, Applied)

310.- IMPROVED PHOTOACTIVITIES OF LARGE-SURFACE-AREA G-C3N4 FOR CO2 CONVERSION BY CONTROLLABLY INTRODUCING Co- AND Ni-SPECIES TO EFFECTIVELY MODULATE PHOTOGENERATED CHARGES
X. Zhang, X. Zhang, W. Ali, X. Chen, K. Hu, Z. Li, Y. Qu, L. Bai, Y. Gao, L. Jing
ChemCatChem, 11 (24), 6282-6287 (2019)
DOI: http://doi.org/10.1002/cctc.201901553
Factor de Impacto: JCR(4,853), SJR(1,338)
Posición en categoría JCR: 50/159 Q2 T1 D4 (Chemistry, Physical)

311.- SUNLIGHT PHOTOACTIVITY OF RICE HUSKS-DERIVED BIOGENIC SILICA
Cordoba de, J. Matos, R. Montaña, P.S. Poon, S. Lanfredi, F.R. Praxedes, J.C. Hernández-Garrido, J.J. Calvino, E. Rodríguez-Aguado, E. Rodríguez-Castellón, C.O. Ania
Catalysis Today, 328, 125-135 (2019)
DOI: http://doi.org/10.1016/j.cattod.2018.12.008
Factor de Impacto: JCR(5,825), SJR(1,328)
Posición en categoría JCR: 15/143 Q1 T1 D2 (Engineering, Chemical)

312.- INFLUENCE OF YTTRIUM DOPING ON THE STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF NANOSTRUCTURED ZnO THIN FILMS GROWN BY SPRAY PYROLYSIS
O. Bazta, A. Urbieta, J. Piqueras, P. Fernández, M. Addou, J.J. Calvino, A.B. Hungría
Ceramics International, 45 (6), 6842-6852 (2019)
DOI: http://doi.org/10.1016/j.ceramint.2018.12.178
Factor de Impacto: JCR(3,83), SJR(0,891)
Posición en categoría JCR: 2/28 Q1 T1 D1 (Materials Science, Ceramics)

313.- NEW INSIGHTS IN CONCEPTUAL DFT: NEW MODEL FOR THE CALCULATION OF LOCAL REACTIVITY INDICES BASED ON THE SANDERSON'S PRINCIPLE
J. Sánchez-Márquez, V. García, D. Zorrilla, M. Fernández
International Journal of Quantum Chemistry, 119 (7), 25844[1]-25844[13] (2019)
DOI: http://doi.org/10.1002/qua.25844
Factor de Impacto: JCR(1,747), SJR(0,484)
Posición en categoría JCR: 45/106 Q2 T2 D5 (Mathematics, Interdisciplinary Applications)

314.- NANOSECOND PULSED LASER IRRADIATION OF TITANIUM ALLOY SUBSTRATE: EFFECTS OF PERIODIC PATTERNED TOPOGRAPHY ON THE OPTICAL PROPERTIES OF COLORIZING SURFACES
J.M. Vázquez-Martínez, J. Salguero, E. Blanco, J.M. González-Leal
Coatings, 9 (10), 658(1)-658(12) (2019)
DOI: http://doi.org/10.3390/coatings9100658
Factor de Impacto: JCR(2,436), SJR(0,463)
Posición en categoría JCR: 10/21 Q2 T2 D5 (Materials Science, Coatings & Films)

315.- SYNTHESIS OF W-DOPED TiO2 BY LOW-TEMPERATURE HYDROLYSIS: EFFECTS OF ANNEALING TEMPERATURE AND DOPING CONTENT ON THE SURFACE

MICROSTRUCTURE AND PHOTOCATALYTIC ACTIVITY
C. Moslah, T. Aguilar, R. Alcántara, M. Ksibi, J. Navas
Journal of the Chinese Chemical Society, 66, 99-109 (2019)
DOI: http://doi.org/10.1002/jccs.201800201
Factor de Impacto: JCR(1,554), SJR(0,299)
Posición en categoría JCR: 120/177 Q3 T3 D7 (Chemistry, Multidisciplinary)

316.- EX-SOLUTION SYNTHESIS OF SUB-5-NM FEOX NANOPARTICLES ON MESOPOROUS HOLLOW N,O- DOPED CARBON NANOSHELLS FOR ELECTROCATALYTIC OXYGEN REDUCTION
S. Kralj, F. Longobardo, D. Iglesias, M. Bevilacqua, C. Tavagnacco, A. Criado, J.J. Delgado Jaen, D. Makovec, S. Marchesan, M. Melchionna, M. Prato, P. Fornasiero
ACS Applied Nano Materials, 2 (10), 6092-6097 (2019)
DOI: http://doi.org/10.1021/acsanm.9b01511
Factor de Impacto: SJR(1,079)
Posición en categoría JCR: No indexada.

317.- LTCC AS SUBSTRATE - ENABLING SEMICONDUCTOR AND PACKAGING INTEGRATION
H. Bartsch, J. Pezoldt, F.M.M. Sánchez, J.J.J. Rios, J.M.M. Delgado, J. Breiling, J. Muller
Proceedings EMPC 22nd European Microelectronics and Packaging Conference & Exhibition, EMPC2019, 2019, 1-4 (2019)
DOI: http://doi.org/10.23919/EMPC44848.2019.8951794
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

318.- ADDING VALUE TO NATURAL CLAYS AS LOW-COST ADSORBENTS OF METHYLENE BLUE IN POLLUTED WATER THROUGH HONEYCOMB MONOLITHS MANUFACTURE
M. Ahrouch, J.M. Gatica, K. Draoui, H. Vidal
SN Applied Sciences, 1, 1595[1]-1595[14] (2019)
DOI: http://doi.org/10.1007/s42452-019-1636-4
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

319.- INFLUENCE OF THE CROSSTALK ON THE INTENSITY OF HAADF-STEM IMAGES OF QUATERNARY SEMICONDUCTOR MATERIALS
N. Baladés, M. Herrera, D.L. Sales, M.P. Guerrero, E. Guerrero, P.L. Galindo, S.I. Molina
Journal of Microscopy, 273 (1), 81-88 (2019)
DOI: http://doi.org/10.1111/jmi.12763
Factor de Impacto: JCR(1,575), SJR(0,544)
Posición en categoría JCR: 6/10 Q3 T2 D6 (Microscopy)

320.- MODIFIED QHAADF METHOD FOR ATOMIC COLUMN-BY-COLUMN COMPOSITIONAL QUANTIFICATION OF SEMICONDUCTOR HETEROSTRUCTURES
A.A. Khan, M. Herrera, J. Pizarro, P.L. Galindo, P.J. Carrington, H. Fujita, A. Krier, S.I. Molina

Journal of Materials Science, 54 (4), 3230-3241 (2019)
DOI: http://doi.org/10.1007/s10853-018-3073-y
Factor de Impacto: JCR(3,553), SJR(0,798)
Posición en categoría JCR: 108/314 Q2 T2 D4 (Materials Science, Multidisciplinary)

321.- ORMOSILS LOADED WITH SiO2 NANOPARTICLES FUNCTIONALIZED WITH Ag AS MULTIFUNCTIONAL SUPERHYDROPHOBIC/BIOCIDAL/CONSOLIDANT TREATMENTS FOR BUILDINGS CONSERVATION
R. Zarzuela, M. Carbú, M.L.A. Gil, J.M. Cantoral, M.J. Mosquera
Nanotechnology, 30 (34) (2019)
DOI: http://doi.org/10.1088/1361-6528/ab1ff0
Factor de Impacto: JCR(3,551), SJR(1,026)
Posición en categoría JCR: 40/154 Q2 T1 D3 (Physics, Applied)

322.- MODIFIED ETHYLSILICATES AS EFFICIENT INNOVATIVE CONSOLIDANTS FOR SEDIMENTARY ROCK M. Remzova, L.A.M. Carrascosa, M.J. Mosquera, J. Rathousky
Coatings, 9 (1) (2019)
DOI: http://doi.org/10.3390/coatings9010006
Factor de Impacto: JCR(2,436), SJR(0,463)
Posición en categoría JCR: 10/21 Q2 T2 D5 (Materials Science, Coatings & Films)

323.- INTERFACE-INSPIRED FORMULATION AND MOLECULAR-LEVEL PERSPECTIVES ON HEAT CONDUCTION AND ENERGY STORAGE OF NANOFLUIDS
I. Carrillo-Berdugo, D. Zorrilla, J. Sánchez-Márquez, T. Aguilar, J.J. Gallardo, R. Gómez-Villarejo, R. Alcántara, C. Fernández-Lorenzo, J. Navas
Scientific Reports, 9 (1), 7595[1]-7595[13] (2019)
DOI: http://doi.org/10.1038/s41598-019-44054-0
Factor de Impacto: JCR(3,998), SJR(1,341)
Posición en categoría JCR: 17/71 Q1 T1 D3 (Multidisciplinary Sciences)

324.- ROOM-TEMPERATURE OPERATION OF LOW-VOLTAGE, NON-VOLATILE, COMPOUND- SEMICONDUCTOR MEMORY CELLS
O. Tizno, A.R.J. Marshall, N. Fernández-Delgado, M. Herrera, S.I. Molina, M. Hayne
Scientific Reports, 9 (1), 8950[1]-8950[8] (2019)
DOI: http://doi.org/10.1038/s41598-019-45370-1
Factor de Impacto: JCR(3,998), SJR(1,341)
Posición en categoría JCR: 17/71 Q1 T1 D3 (Multidisciplinary Sciences)

325.- MATERIALS WITH ENHANCED ADHESIVE PROPERTIES BASED ON ACRYLONITRILE-BUTADIENE-STYRENE (ABS)/THERMOPLASTIC POLYURETHANE (TPU) BLENDS FOR FUSED FILAMENT FABRICATION (FFF)
A.S. de León, A. Domínguez-Calvo, S.I. Molina
Materials and Design, 182, 108044[1]-108044[11] (2019)
DOI: http://doi.org/10.1016/j.matdes.2019.108044
Factor de Impacto: JCR(6,289), SJR(1,806)
Posición en categoría JCR: 59/314 Q1 T1 D2 (Materials Science, Multidisciplinary)

326.- ENHANCED UV EMISSION OF LI–Y CO-DOPED ZnO THIN FILMS VIA SPRAY PYROLYSIS
O. Bazta, A. Urbieta, J. Piqueras, P. Fernández, M. Addou, J.J. Calvino, A.B. Hungría
Journal of Alloys and Compounds, 808, 151710[1]-151710[8] (2019)
DOI: http://doi.org/10.1016/j.jallcom.2019.151710
Factor de Impacto: JCR(4,65), SJR(1,055)
Posición en categoría JCR: 8/79 Q1 T1 D2 (Metallurgy & Metallurgical Engineering)

327.- INTRINSIC STABILITY ANALYSIS OF PEROVSKITE NANOPOWDER WITH DOUBLE AND TRIPLE CATION IN A SITE, FAxMA(1−x)PbI3 AND FAxCsγMA(1−x−γ)PbI3
J.J. Gallardo, M. Barea-Sepúlveda, T. Aguilar, R. Alcántara, C. Fernández-Lorenzo, J. Navas
Materials Research Bulletin, 119, 110528[1]-110528[11] (2019)
DOI: http://doi.org/10.1016/j.materresbull.2019.110528
Factor de Impacto: JCR(4,019), SJR(0,824)
Posición en categoría JCR: 94/314 Q2 T1 D3 (Materials Science, Multidisciplinary)

328.- SURFACE OXIDATION OF AMORPHOUS Si AND Ge SLANTED COLUMNAR AND MESOPOROUS THIN FILMS: EVIDENCE, SCRUTINY AND LIMITATIONS FOR INFRARED OPTICS
A.J. Santos, B. Lacroix, F. Maudet, A. Corvisier, F. Paumier, C. Dupeyrat, T. Girardeau, R. García, F.M. Morales
Applied Surface Science, 493, 807-817 (2019)
DOI: http://doi.org/10.1016/j.apsusc.2019.07.064
Factor de Impacto: JCR(6,182), SJR(1,23)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

329.- STUDY OF SOLVENT EFFECT ON THE SYNTHESIS OF MAGNETIC MOLECULARLY IMPRINTED POLYMERS BASED ON ULTRASOUND PROBE: APPLICATION FOR SULFONAMIDE DETECTION
A. Lamaoui, A.A. Lahcen, J.J. García-Guzmán, J.M. Palacios-Santander, L. Cubillana-Aguilera, A. Amine Ultrasonics Sonochemistry, 58, 104670[1]-104670[12] (2019)
DOI: http://doi.org/10.1016/j.ultsonch.2019.104670
Factor de Impacto: JCR(6,513), SJR(1,493)
Posición en categoría JCR: 1/32 Q1 T1 D1 (Acoustics)

330.- A SIMPLE PHOSPHORUS DETERMINATION IN WALNUTS AND ASSESSMENT OF THE ASSIMILABLE FRACTION
P. Fuentes-Soriano, D. Bellido-Milla, J.J. García-Guzmán, M.P. Hernández-Artiga, J.J. Gallardo-Bernal, J.M. Palacios-Santander, E. Espada-Bellido
Talanta, 204, 57-62 (2019)
DOI: http://doi.org/10.1016/j.talanta.2019.05.097
Factor de Impacto: JCR(5,339), SJR(1,178)
Posición en categoría JCR: 11/86 Q1 T1 D2 (Chemistry, Analytical)

331.- Au-TiO2/SiO 2 PHOTOCATALYSTS FOR BUILDING MATERIALS: SELF-CLEANING AND DE-POLLUTING PERFORMANCE

M. Luna, M.J. Mosquera, H. Vidal, J.M. Gatica
Building and Environment, 164, 106347[1]-106347[9] (2019)
DOI: http://doi.org/10.1016/j.buildenv.2019.106347
Factor de Impacto: JCR(4,971), SJR(1,871)
Posición en categoría JCR: 4/134 Q1 T1 D1 (Engineering, Civil)

332.- INFLUENCE OF {111} NANOFACETING ON THE DYNAMICS OF CO ADSORPTION AND OXIDATION OVER Au SUPPORTED ON CeO2 NANOCUBES: AN OPERANDO DRIFT INSIGHT
S. Fernández-García, S.E. Collins, M. Tinoco, A.B. Hungría, J.J. Calvino, M.A. Cauqui, X. Chen
Catalysis Today, 336, 90-98 (2019)
DOI: http://doi.org/10.1016/j.cattod.2019.01.078
Factor de Impacto: JCR(5,825), SJR(1,328)
Posición en categoría JCR: 15/143 Q1 T1 D2 (Engineering, Chemical)

333.- 2D MoSe2-BASED NANOFLUIDS PREPARED BY LIQUID PHASE EXFOLIATION FOR HEAT TRANSFER APPLICATIONS IN CONCENTRATING SOLAR POWER
M. Teruel, T. Aguilar, P. Martínez-Merino, I. Carrillo-Berdugo, J.J. Gallardo-Bernal, R. Gómez-Villarejo, R. Alcántara, C. Fernández-Lorenzo, J. Navas
Solar Energy Materials and Solar Cells, 200, 109972[1]-109972[11] (2019)
DOI: http://doi.org/10.1016/j.solmat.2019.109972
Factor de Impacto: JCR(6,984), SJR(1,827)
Posición en categoría JCR: 22/154 Q1 T1 D2 (Physics, Applied)

334.- OPEN CIRCUIT VOLTAGE RECOVERY IN GaAsSbN-BASED SOLAR CELLS: ROLE OF DEEP N-RELATED RADIATIVE STATES
A. Gonzalo, L. Stanojević, A.D. Utrilla, D.F. Reyes, V. Braza, D. Fuertes Marrón, T. Ben, D. González, A. Hierro, A. Guzman, J.M. Ulloa
Solar Energy Materials and Solar Cells, 200, 109949[1]-109949[9] (2019)
DOI: http://doi.org/10.1016/j.solmat.2019.109949
Factor de Impacto: JCR(6,984), SJR(1,827)
Posición en categoría JCR: 22/154 Q1 T1 D2 (Physics, Applied)

335.- MODELLING OF BISMUTH SEGREGATION IN InAsBi/InAs SUPERLATTICES: DETERMINATION OF THE EXCHANGE ENERGIES
S. Flores, D.F. Reyes, V. Braza, R.D. Richards, F. Bastiman, T. Ben, N. Ruiz-Marín, J.P.R. David, D. González Applied Surface Science, 485, 29-34 (2019)
DOI: http://doi.org/10.1016/j.apsusc.2019.04.188
Factor de Impacto: JCR(6,182), SJR(1,23)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

336.- SCREEN-PRINTED ELECTRODES MODIFIED WITH GREEN-SYNTHESIZED GOLD NANOPARTICLES FOR THE ELECTROCHEMICAL DETERMINATION OF AMINOTHIOLS
V.R.R. Bernardo-Boongaling, N. Serrano, J.J. García-Guzmán, J.M. Palacios-Santander, J.M. Díaz-Cruz Journal of Electroanalytical Chemistry, 847, 113184[1]-113184[11] (2019)

DOI: http://doi.org/10.1016/j.jelechem.2019.05.066
Factor de Impacto: JCR(3,807), SJR(0,758)
Posición en categoría JCR: 17/86 Q1 T1 D2 (Chemistry, Analytical)

337.- DEVELOPING AND USING A COMPUTER SIMULATION OF LIQUID-VAPOR TRANSITIONS TO IMPROVE STUDENTS' ASSIMILATION OF CONCEPTS RELATED TO THE BEHAVIOR OF REAL GASES
D. Zorrilla, J. Sánchez-Márquez, V. García, M. Fernández
Journal of Chemical Education, 96 (8), 1646-1653 (2019)
DOI: http://doi.org/10.1021/acs.jchemed.8b00939
Factor de Impacto: JCR(1,385), SJR(0,473)
Posición en categoría JCR: 25/41 Q3 T2 D7 (Education, Scientific Disciplines)

338.- SYNTHESIS OF SINGLE-CRYSTALLINE LEAD SULFIDE NANOFRAMES AND NANORINGS
S. Kull, L. Heymann, A.B. Hungria, C. Klinke
Chemistry of Materials, 31 (15), 5646-5654 (2019)
DOI: http://doi.org/10.1021/acs.chemmater.9b01508
Factor de Impacto: JCR(9,567), SJR(3,971)
Posición en categoría JCR: 29/314 Q1 T1 D1 (Materials Science, Multidisciplinary)

339.- THE INFLUENCE OF Ar PRESSURE ON THE STRUCTURE AND OPTICAL PROPERTIES OF NON- HYDROGENATED A-Si THIN FILMS GROWN BY RF MAGNETRON SPUTTERING ONTO ROOM-TEMPERATURE GLASS SUBSTRATES
E. Márquez, E. Saugar, J.M. Díaz, C. García-Vázquez, S.M. Fernández-Ruano, E. Blanco, J.J. Ruiz-Pérez, D.A. Minkov
Journal of Non-Crystalline Solids, 517, 32-43 (2019)
DOI: http://doi.org/10.1016/j.jnoncrysol.2019.04.034
Factor de Impacto: JCR(2,929), SJR(0,712)
Posición en categoría JCR: 4/28 Q1 T1 D2 (Materials Science, Ceramics)

340.- REGIOSELECTIVE GENERATION AND REACTIVITY CONTROL OF SUBNANOMETRIC PLATINUM CLUSTERS IN ZEOLITES FOR HIGH-TEMPERATURE CATALYSIS
L. Liu, M. López-Haro, C.W. Lopes, C. Li, P. Concepción, L. Simonelli, J.J. Calvino, A. Corma
Nature Materials, 18 (8), 866-873 (2019)
DOI: http://doi.org/10.1038/s41563-019-0412-6
Factor de Impacto: JCR(38,663), SJR(14,862)
Posición en categoría JCR: 1/159 Q1 T1 D1 (Chemistry, Physical)

341.- UNRAVELLING THE POLARITY OF InN QUANTUM DOTS USING A MODIFIED APPROACH OF NEGATIVE- SPHERICAL-ABERRATION IMAGING
P. Rajak, M. Islam, J.J. Jiménez, J.M. Mánuel, P. Aseev, Ž. Gačević, E. Calleja, R. García, F.M. Morales, S. Bhattacharyya
Nanoscale, 11 (28), 13632-13638 (2019)
DOI: http://doi.org/10.1039/c9nr04146j

Factor de Impacto: JCR(6,895), SJR(2,18)
Posición en categoría JCR: 23/154 Q1 T1 D2 (Physics, Applied)

342.- ACCURATE 3D CHARACTERIZATION OF CATALYTIC BODIES SURFACE BY SCANNING ELECTRON MICROSCOPY
L.C. Gontard, M.Á. Cauqui, M.P. Yeste, D. Ozkaya, J.J. Calvino
ChemCatChem, 11 (14), 3171-3177 (2019)
DOI: http://doi.org/10.1002/cctc.201900659
Factor de Impacto: JCR(4,853), SJR(1,338)
Posición en categoría JCR: 50/159 Q2 T1 D4 (Chemistry, Physical)

343.- Au-TiO2/SiO2 PHOTOCATALYSTS WITH NOX DEPOLLUTING ACTIVITY: INFLUENCE OF GOLD PARTICLE SIZE AND LOADING
M. Luna, J.M. Gatica, H. Vidal, M.J. Mosquera
Chemical Engineering Journal, 368, 417-427 (2019)
DOI: http://doi.org/10.1016/j.cej.2019.02.167
Factor de Impacto: JCR(10,652), SJR(2,315)
Posición en categoría JCR: 4/143 Q1 T1 D1 (Engineering, Chemical)

344.- EFFECT OF THE THERMAL ANNEALING AND THE NOMINAL COMPOSITION IN THE ELEMENTAL DISTRIBUTION OF InxAl1−xAsγSb1−γ FOR TRIPLE JUNCTION SOLAR CELLS
J. Hernández-Saz, M. Herrera, J. Pizarro, M. Gonzalez, J. Abell, R. Walters, P.L. Galindo, S. Duguay, S.I. Molina
Journal of Alloys and Compounds, 1021-1027 (2019)
DOI: http://doi.org/10.1016/j.jallcom.2019.04.119
Factor de Impacto: JCR(4,65), SJR(1,055)
Posición en categoría JCR: 8/79 Q1 T1 D2 (Metallurgy & Metallurgical Engineering)

345.- SIZE, NANOSTRUCTURE, AND COMPOSITION DEPENDENCE OF BIMETALLIC Au–Pd SUPPORTED ON CERIA–ZIRCONIA MIXED OXIDE CATALYSTS FOR SELECTIVE OXIDATION OF BENZYL ALCOHOL
C.M. Olmos, L.E. Chinchilla, A. Villa, J.J. Delgado, A.B. Hungría, G. Blanco, L. Prati, J.J. Calvino, X. Chen Journal of Catalysis, 375, 44-55 (2019)
DOI: http://doi.org/10.1016/j.jcat.2019.05.002
Factor de Impacto: JCR(7,888), SJR(2,256)
Posición en categoría JCR: 7/143 Q1 T1 D1 (Engineering, Chemical)

346.- C-DOPED ANATASE TiO2 : ADSORPTION KINETICS AND PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE AND PHENOL, AND CORRELATIONS WITH DFT ESTIMATIONS
J. Matos, J. Ocares-Riquelme, P.S. Poon, R. Montaña, X. García, K. Campos, J.C. Hernández-Garrido, M.M. Titirici
Journal of Colloid and Interface Science, 547, 14-29 (2019)
DOI: http://doi.org/10.1016/j.jcis.2019.03.074
Factor de Impacto: JCR(7,489), SJR(1,45)
Posición en categoría JCR: 31/159 Q1 T1 D2 (Chemistry, Physical)

347.- INFLUENCE OF Ca/P RATIO ON THE CATALYTIC PERFORMANCE OF Ni/HYDROXYAPATITE SAMPLES IN DRY REFORMING OF METHANE
Z. Boukha, M.P. Yeste, M.Á. Cauqui, J.R. González-Velasco
Applied Catalysis A: General, 580, 34-45 (2019)
DOI: http://doi.org/10.1016/j.apcata.2019.04.034
Factor de Impacto: JCR(5,006), SJR(1,163)
Posición en categoría JCR: 41/265 Q1 T1 D2 (Environmental Sciences)

348.- FIBROUS ELECTROCATALYTIC MATERIALS BASED ON CARBON/COPPER/COPPER PHOSPHIDES FOR EFFECTIVE HYDROGEN EVOLUTION
M. Streckova, R. Orinakova, J. Hovancova, L. Kobera, J. Brus, A.B. Hungria, V. Girman, E. Mudra, M. Heckova, M. Podobova, A. Kovalcikova, J. Dusza
Applied Surface Science, 479, 70-76 (2019)
DOI: http://doi.org/10.1016/j.apsusc.2019.02.059
Factor de Impacto: JCR(6,182), SJR(1,23)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

349.- IMPROVING THE ACTIVITY AND STABILITY OF YSZ-SUPPORTED GOLD POWDER CATALYST BY MEANS OF ULTRATHIN, COHERENT, CERIA OVERLAYERS. ATOMIC SCALE STRUCTURAL INSIGHTS
R. Manzorro, W.E. Celín, J.A. Pérez-Omil, J.J. Calvino, S. Trasobares
ACS Catalysis, 9 (6), 5157-5170 (2019)
DOI: http://doi.org/10.1021/acscatal.8b04412
Factor de Impacto: JCR(12,35), SJR(4,633)
Posición en categoría JCR: 12/159 Q1 T1 D1 (Chemistry, Physical)

350.- A FACILE ONE-POT HYDROTHERMAL SYNTHESIS AS AN EFFICIENT METHOD TO MODULATE THE POTASSIUM CONTENT OF CRYPTOMELANE AND ITS EFFECTS ON THE REDOX AND CATALYTIC PROPERTIES
H. Pan, X. Chen, O. Sanz, M.A. Cauqui, J.M. Rodríguez-Izquierdo, J.J. Delgado
Chinese Journal of Catalysis, 40 (6), 940-952 (2019)
DOI: http://doi.org/10.1016/S1872-2067(19)63339-5
Factor de Impacto: JCR(6,146), SJR(1,14)
Posición en categoría JCR: 6/71 Q1 T1 D1 (Chemistry, Applied)

351.- ARE THE PRIMARY CHARACTERISTICS OF POLYSTYRENE NANOPLASTICS RESPONSIBLE FOR TOXICITY AND AD/ABSORPTION IN THE MARINE DIATOM PHAEODACTYLUM TRICORNUTUM?
M. Sendra, E. Staffieri, M.P. Yeste, I. Moreno-Garrido, J.M. Gatica, I. Corsi, J. Blasco
Environmental Pollution, 610-619 (2019)
DOI: http://doi.org/10.1016/j.envpol.2019.03.047
Factor de Impacto: JCR(6,792), SJR(1,968)
Posición en categoría JCR: 21/265 Q1 T1 D1 (Environmental Sciences)

352.- SYNERGY OF NEODYMIUM AND COPPER FOR FAST AND REVERSIBLE VISIBLE-LIGHT PROMOTED PHOTOCHROMISM, AND PHOTOCATALYSIS, IN Cu/Nd-TiO2 NANOPARTICLES

D.M. Tobaldi, L. Lajaunie, M. López Haro, R.A.S. Ferreira, M. Leoni, M.P. Seabra, J.J. Calvino, L.D. Carlos, J.A. Labrincha
ACS Applied Energy Materials, 2 (5), 3237-3252 (2019)
DOI: http://doi.org/10.1021/acsaem.9b00084
Factor de Impacto: JCR(4,473), SJR(1,495)
Posición en categoría JCR: 85/314 Q2 T1 D3 (Materials Science, Multidisciplinary)

353.- HOW TO GROW FULLY (100) ORIENTED SiC/Si/SiC/Si MULTI-STACK
T. Yeghoyan, K. Alassaad, V. Soulière, G. Ferro, M. Gutierrez, D. Araújo
Physica Status Solidi (A) Applications and Materials Science, 216 (10), 1800588[1]-1800588[10] (2019)
DOI: http://doi.org/10.1002/pssa.201800588
Factor de Impacto: JCR(1,759), SJR(0,527)
Posición en categoría JCR: 94/154 Q3 T2 D7 (Physics, Applied)

356.- TOLUENE AND STYRENE PHOTO-OXIDATION QUANTUM EFFICIENCY: COMPARISON BETWEEN DOPED AND COMPOSITE TUNGSTEN-CONTAINING ANATASE-BASED CATALYSTS
U. Caudillo-Flores, M.J. Muñoz-Batista, A.B. Hungría, M.L. Haro, M. Fernández-García, A. Kubacka
Applied Catalysis B: Environmental, 49-61 (2019)
DOI: http://doi.org/10.1016/j.apcatb.2018.12.032
Factor de Impacto: JCR(16,683), SJR(4,217)
Posición en categoría JCR: 1/53 Q1 T1 D1 (Engineering, Environmental)

357.- NITROGEN MAPPING FROM ADF IMAGING ANALYSIS IN QUATERNARY DILUTE NITRIDE SUPERLATTICES
N. Ruiz-Marín, D.F. Reyes, V. Braza, A. Gonzalo, T. Ben, S. Flores, A.D. Utrilla, J.M. Ulloa, D. González Applied Surface Science, 475, 473-478 (2019)
DOI: http://doi.org/10.1016/j.apsusc.2018.12.228
Factor de Impacto: JCR(6,182), SJR(1,23)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

358.- COMPREHENSIVE (S)TEM CHARACTERIZATION OF POLYCRYSTALLINE GaN/AlN LAYERS GROWN ON LTCC SUBSTRATES
J.J. Jiménez, J.M. Mánuel, H. Bartsch, J. Breiling, R. García, H.O. Jacobs, J. Müller, J. Pezoldt, F.M. Morales
Ceramics International, 45 (7), 9114-9125 (2019)
DOI: http://doi.org/10.1016/j.ceramint.2019.01.250
Factor de Impacto: JCR(3,83), SJR(0,891)
Posición en categoría JCR: 2/28 Q1 T1 D1 (Materials Science, Ceramics)

359.- FAST ROUTE FOR THE SYNTHESIS OF DECORATED NANOSTRUCTURED MAGNETIC MOLECULARLY IMPRINTED POLYMERS USING AN ULTRASOUND PROBE
A.A. Lahcen, J.J. García-Guzmán, J.M. Palacios-Santander, L. Cubillana-Aguilera, A. Amine

Ultrasonics Sonochemistry, 53, 226-236 (2019)
DOI: http://doi.org/10.1016/j.ultsonch.2019.01.008
Factor de Impacto: JCR(6,513), SJR(1,493)
Posición en categoría JCR: 1/32 Q1 T1 D1 (Acoustics)

360.- (S)TEM METHODS CONTRIBUTIONS TO IMPROVE THE FABRICATION OF InGaN THIN FILMS ON Si, AND InN NANOSTRUCTURES ON FLAT Si AND ROUGH InGaN
J.J. Jiménez, J.M. Mánuel, P. Aseev, P.E.D. Soto Rodríguez, R. Nötzel, Ž. Gačević, E. Calleja, R. García, F.M. Morales
Journal of Alloys and Compounds, 783, 697-708 (2019)
DOI: http://doi.org/10.1016/j.jallcom.2018.12.319
Factor de Impacto: JCR(4,65), SJR(1,055)
Posición en categoría JCR: 8/79 Q1 T1 D2 (Metallurgy & Metallurgical Engineering)

361.- POROSITY CONTROL FOR PLASMA-ASSISTED MOLECULAR BEAM EPITAXY OF GaN NANOWIRES
V.J. Gómez, A.J. Santos, E. Blanco, B. Lacroix, R. García, D.L. Huffaker, F.M. Morales
Crystal Growth and Design, 19 (4), 2431-2469 (2019)
DOI: http://doi.org/10.1021/acs.cgd.9b00146
Factor de Impacto: JCR(4,089), SJR(1,004)
Posición en categoría JCR: 5/26 Q1 T1 D2 (Crystallography)

362.- CONTROL OF NITROGEN INHOMOGENEITIES IN TYPE-I AND TYPE-II GaAsSbN SUPERLATTICES FOR SOLAR CELL DEVICES
N. Ruiz, V. Braza, A. Gonzalo, D. Fernández, T. Ben, S. Flores, J.M. Ulloa, D. González
Nanomaterials, 9 (4), 623[1]-623[9] (2019)
DOI: http://doi.org/10.3390/nano9040623
Factor de Impacto: JCR(4,324), SJR(0,858)
Posición en categoría JCR: 89/314 Q2 T1 D3 (Materials Science, Multidisciplinary)

363.- NANO-RADIOGOLD-DECORATED COMPOSITE BIOPARTICLES
A. Wójtowicz, P. Krug, P. Głowala, A.B. Hungría, M. Chotkowski, K. Wiktorska, M. Mazur
Materials Science and Engineering C, 97, 768-775 (2019)
DOI: http://doi.org/10.1016/j.msec.2018.12.085
Factor de Impacto: JCR(5,88), SJR(1,149)
Posición en categoría JCR: 7/38 Q1 T1 D2 (Materials Science, Biomaterials)

364.- TOWARDS PERFECT MWIR TRANSPARENCY USING OBLIQUE ANGLE DEPOSITION
F. Maudet, B. Lacroix, A.J. Santos, F. Paumier, M. Paraillous, C. Dupeyrat, R. García, F.M. Morales, T. Girardeau
Applied Surface Science, 470, 943-950 (2019)
DOI: http://doi.org/10.1016/j.apsusc.2018.11.176
Factor de Impacto: JCR(6,182), SJR(1,23)
Posición en categoría JCR: 1/21 Q1 T1 D1 (Materials Science, Coatings & Films)

365.- LEAD REMOVAL FROM AQUEOUS SOLUTION BY MEANS OF INTEGRAL NATURAL CLAYS HONEYCOMB MONOLITHS
M. Ahrouch, J.M. Gatica, K. Draoui, D. Bellido, H. Vidal
Journal of Hazardous Materials, 519-530 (2019)
DOI: http://doi.org/10.1016/j.jhazmat.2018.11.037
Factor de Impacto: JCR(9,038), SJR(2,01)
Posición en categoría JCR: 8/265 Q1 T1 D1 (Environmental Sciences)

366.- EXPERIMENTAL ANALYSIS OF WATER-BASED NANOFLUIDS USING BORON NITRIDE NANOTUBES WITH IMPROVED THERMAL PROPERTIES
R. Gómez-Villarejo, T. Aguilar, S. Hamze, P. Estellé, J. Navas
Journal of Molecular Liquids, 277, 93-103 (2019)
DOI: http://doi.org/10.1016/j.molliq.2018.12.093
Factor de Impacto: JCR(5,065), SJR(0,883)
Posición en categoría JCR: 4/37 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

367.- COMPARATIVE STUDY OF THE ACCURACY OF CHARACTERIZATION OF THIN FILMS A-Si ON GLASS SUBSTRATES FROM THEIR INTERFERENCE NORMAL INCIDENCE TRANSMITTANCE SPECTRUM BY THE TAUC- LORENTZ-URBACH, THE CODY-LORENTZ-URBACH, THE OPTIMIZED ENVELOPES AND THE OPTIMIZED GRAPHICAL METHODS
D.A. Minkov, G.V. Angelov, R.N. Nestorov, E. Márquez, E. Blanco, J.J. Ruiz-Perez
Materials Research Express, 6 (3), 36410 (2019)
DOI: http://doi.org/10.1088/2053-1591/aaf546
Factor de Impacto: JCR(1,929), SJR(0,365)
Posición en categoría JCR: 203/314 Q3 T2 D7 (Materials Science, Multidisciplinary)

368.- DEVELOPMENT OF SURFACE-COATED POLYLACTIC ACID/POLYHYDROXYALKANOATE (PLA/PHA) NANOCOMPOSITES
J.J. Relinque, A.S. de León, J. Hernández-Saz, M.G. García-Romero, F.J. Navas-Martos, G. Morales-Cid, S.I. Molina
Polymers, 11 (3), 400[1]-400[12] (2019)
DOI: http://doi.org/10.3390/polym11030400
Factor de Impacto: JCR(3,426), SJR(0,704)
Posición en categoría JCR: 16/89 Q1 T1 D2 (Polymer Science)

369.- BASE-CONTROLLED HECK, SUZUKI, AND SONOGASHIRA REACTIONS CATALYZED BY LIGAND-FREE PLATINUM OR PALLADIUM SINGLE ATOM AND SUB-NANOMETER CLUSTERS
E. Fernández, M.A. Rivero-Crespo, I. Domínguez, P. Rubio-Marqués, J. Oliver-Meseguer, L. Liu, M. Cabrero- Antonino, R. Gavara, J.C. Hernández-Garrido, M. Boronat, A. Leyva-Pérez, A. Corma
Journal of the American Chemical Society, 141 (5), 1928-1940 (2019)
DOI: http://doi.org/10.1021/jacs.8b07884
Factor de Impacto: JCR(14,612), SJR(6,976)
Posición en categoría JCR: 13/177 Q1 T1 D1 (Chemistry, Multidisciplinary)

370.- STRUCTURAL CHARACTERIZATION OF BULK AND NANOPARTICLE LEAD HALIDE PEROVSKITE THIN FILMS BY (S)TEM TECHNIQUES
N. Fernández-Delgado, M. Herrera, F.J. Delgado, A.H. Tavabi, M. Luysberg, R.E. Dunin-Borkowski, E.J. Juárez- Pérez, B.C. Hames, I. Mora-Sero, I. Suárez, J.P. Martínez-Pastor, S.I. Molina
Nanotechnology, 30 (13), 135701[1]-135701[13] (2019)
DOI: http://doi.org/10.1088/1361-6528/aafc85
Factor de Impacto: JCR(3,551), SJR(1,026)
Posición en categoría JCR: 40/154 Q2 T1 D3 (Physics, Applied)

371.- APOFERRITIN PROTEIN AMYLOID FIBRILS WITH TUNABLE CHIRALITY AND POLYMORPHISM
R. Jurado, J. Adamcik, M. López-Haro, J.A. González-Vera, Á. Ruiz-Arias, A. Sánchez-Ferrer, R. Cuesta, J.M. Domínguez-Vera, J.J. Calvino, A. Orte, R. Mezzenga, N. Gálvez
Journal of the American Chemical Society, 141 (4), 1606-1613 (2019)
DOI: http://doi.org/10.1021/jacs.8b11418
Factor de Impacto: JCR(14,612), SJR(6,976)
Posición en categoría JCR: 13/177 Q1 T1 D1 (Chemistry, Multidisciplinary)

372.- AN ATOMICALLY EFFICIENT, HIGHLY STABLE AND REDOX ACTIVE Ce0.5Tb0.5O: X (3% MOL.)/MgO CATALYST FOR TOTAL OXIDATION OF METHANE
J.J. Sánchez, M. López-Haro, J.C. Hernández-Garrido, G. Blanco, M.A. Cauqui, J.M. Rodríguez-Izquierdo, J.A. Pérez-Omil, J.J. Calvino, M.P. Yeste
Journal of Materials Chemistry A, 7 (15), 8993-9003 (2019)
DOI: http://doi.org/10.1039/c8ta11672e
Factor de Impacto: JCR(11,301), SJR(3,432)
Posición en categoría JCR: 8/112 Q1 T1 D1 (Energy & Fuels)

373.- SELECTIVE OXIDATION OF GLYCEROL ON MORPHOLOGY CONTROLLED CERIA NANOMATERIALS
M. Tinoco, S. Fernández-Garcia, A. Villa, J.M. González, G. Blanco, A.B. Hungria, L. Jiang, L. Prati, J.J. Calvino, X. Chen
Catalysis Science and Technology, 9 (9), 2328-2334 (2019)
DOI: http://doi.org/10.1039/c9cy00273a
Factor de Impacto: JCR(5,721), SJR(1,579)
Posición en categoría JCR: 41/159 Q2 T1 D3 (Chemistry, Physical)

374.- NANOSTRUCTURE AND PHYSICAL PROPERTIES CONTROL OF INDIUM TIN OXIDE FILMS PREPARED AT ROOM TEMPERATURE THROUGH ION BEAM SPUTTERING DEPOSITION AT OBLIQUE ANGLES
B. Lacroix, A.J. Santos, S. Hurand, A. Corvisier, F. Paumier, T. Girardeau, F. Maudet, C. Dupeyrat, R. García, F.M. Morales
Journal of Physical Chemistry C, 123 (22), 14036-14046 (2019)
DOI: http://doi.org/10.1021/acs.jpcc.9b02885
Factor de Impacto: JCR(4,189), SJR(1,477)
Posición en categoría JCR: 90/314 Q2 T1 D3 (Materials Science, Multidisciplinary)

375.- OPTICAL, MAGNETIC, AND ELECTRONIC PROPERTIES OF NANOSTRUCTURED VO2 THIN FILMS GROWN BY SPRAY PYROLYSIS: DFT FIRST PRINCIPLE STUDY
A. El Haimeur, A. Mrigal, H. Bakkali, L. El Gana, K. Nouneh, M. Addou, M. Domínguez
Journal of Superconductivity and Novel Magnetism (2019)
DOI: http://doi.org/10.1007/s10948-019-05216-3
Factor de Impacto: JCR(1,244), SJR(0,293)
Posición en categoría JCR: 52/69 Q4 T3 D8 (Physics, Condensed Matter)

376.- THE ROLE OF GOLD-ALUMINA TEMPLATE IN THE ELECTROCHEMICAL DEPOSITION OF CeO2 NANOTUBES
L. González-Souto, L. González-Rovira, F.J. Botana, J.J. Calvino, M.Á. Cauqui, J.C. Hernández-Garrido
Particle and Particle Systems Characterization, 1900168[1]-1900168[11] (2019)
DOI: http://doi.org/10.1002/ppsc.201900168
Factor de Impacto: JCR(3,099), SJR(0,909)
Posición en categoría JCR: 127/314 Q2 T2 D5 (Materials Science, Multidisciplinary)

377.- DESIGN AND DEVELOPMENT OF A PARAMETRIZABLE ELECTRIC GUITAR THROUGH ADDITIVE MANUFACTURING [DISEÑO Y DESARROLLO DE UNA GUITARRA ELÉCTRICA PARAMETRIZABLE MEDIANTE PROCESOS DE FABRICACIÓN ADITIVA]
D. Moreno-Nieto, G. De-La-Herrán, R. Bienvenido, S. Molina
Dyna (Spain), 94 (1), 26-31 (2019)
DOI: http://doi.org/10.6036/8672
Factor de Impacto: JCR(0,781), SJR(0,163)
Posición en categoría JCR: 76/91 Q4 T3 D9 (Engineering, Multidisciplinary)

378.- BATCH ADSORPTION OF SYNTHETIC DYE BY MACLURA POMIFERA, A NEW ECO-FRIENDLY WASTE BIOMASS: EXPERIMENTAL STUDIES AND MODELING
M. Bounaas, A. Bouguettoucha, D. Chebli, A. Reffas, J.M. Gatica, A. Amrane
International Journal of Chemical Reactor Engineering, 17 (4), 20180063 (2019)
DOI: http://doi.org/10.1515/ijcre-2018-0063
Factor de Impacto: JCR(1,152), SJR(0,259)
Posición en categoría JCR: 104/143 Q3 T3 D8 (Engineering, Chemical)

379.- REVERSIBLE FORMATION OF GOLD HALIDES IN SINGLE-CRYSTAL HYBRID-PEROVSKITE/AU INTERFACE UPON BIASING AND EFFECT ON ELECTRONIC CARRIER INJECTION
J. Pospisil, A. Guerrero, O. Zmeskal, M. Weiter, J.J. Gallardo, J. Navas, G. Garcia-Belmonte
Advanced Functional Materials, 29 (32), 1900881[1]-1900881[7] (2019)
DOI: http://doi.org/10.1002/adfm.201900881
Factor de Impacto: JCR(16,836), SJR(5,875)
Posición en categoría JCR: 13/314 Q1 T1 D1 (Materials Science, Multidisciplinary)

380.- PHOTOCATALYTIC HYDROGEN PRODUCTION BY BORON MODIFIED TiO2/CARBON NITRIDE HETEROJUNCTIONS

K.C. Christoforidis, T. Montini, M. Fittipaldi, J.J.D. Jaén, P. Fornasiero
ChemCatChem, 11 (24), 6408-6416 (2019)
DOI: http://doi.org/10.1002/cctc.201901703
Factor de Impacto: JCR(4,853), SJR(1,338)
Posición en categoría JCR: 50/159 Q2 T1 D4 (Chemistry, Physical)

381.- HIGH SPATIAL RESOLUTION MAPPING OF LOCALIZED SURFACE PLASMON IN SINGLE GALLIUM NANOPARTICLES
M. de la Mata, S. Catalán-Gómez, i F. Nucciarell, J.L. Pau, S.I. Molina
Small, 1902920 (2019)
DOI: http://doi.org/10.1002/smll.201902920
Factor de Impacto: JCR(11,459), SJR(3,717)
Posición en categoría JCR: 10/154 Q1 T1 D1 (Physics, Applied)

382.- LARGE-FORMAT FUSED DEPOSITION ADDITIVE MANUFACTURING: A REVIEW
D. Moreno Nieto, S.I. Molina
Rapid Prototyping Journal (2019)
DOI: http://doi.org/10.1108/RPJ-05-2018-0126
Factor de Impacto: JCR(3,099), SJR(0,841)
Posición en categoría JCR: 31/130 Q1 T1 D3 (Engineering, Mechanical)

383.- BIOSYNTHESIS OF UNIFORM ULTRA-SMALL GOLD NANOPARTICLES BY AGED DRACAENA DRACO L EXTRACTS
M. Luna, R. Zarzuela, M.J. Mosquera, M.L.A. Gil, L.M. Cubillana-Aguilera, J.J. Delgado-Jaén, J.M. Palacios- Santander, V. García-Moreno, Y. Carmona-Jiménez
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 581 , 123744[1]-123744[9] (2019) DOI: http://doi.org/10.1016/j.colsurfa.2019.123744
Factor de Impacto: JCR(3,99), SJR(0,78)
Posición en categoría JCR: 58/159 Q2 T2 D4 (Chemistry, Physical)

384.- ENABLING SEMICONDUCTOR AND PACKAGING INTEGRATION
J. Müller, J. Pezoldt, F.M. Morales, J.M. Mánuel, J.J. Jiménez, H. Bartsch
Proceedings IMAPS/ACerS 15th International Conference and Exhibition on Ceramic Interconnect and Ceramic Microsystems Technologies, CICMT 2019, 48-54 (2019)
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

385.- TUNING THE STRUCTURAL, OPTICAL AND PHOTOLUMINESCENCE PROPERTIES OF HYBRID PEROVSKITE QUANTUM DOTS BY A-SITE DOPING
J.J. Gallardo, E. Blanco, A. Sánchez-Coronilla, J.C. Pinero, J. Navas
Applied Materials Today, 100488[1]-100488[8] (2019)
DOI: http://doi.org/10.1016/j.apmt.2019.100488
Factor de Impacto: JCR(8,352), SJR(2,117)
Posición en categoría JCR: 34/314 Q1 T1 D2 (Materials Science, Multidisciplinary)

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386.- EXPLORING THE CAPABILITY OF HAADF-STEM TECHNIQUES TO CHARACTERIZE GRAPHENE DISTRIBUTION IN NANOCOMPOSITES BY SIMULATIONS
N. Baladés, M. Herrera, D.L. Sales, A.M. Raya, J.C. Hernández-Garrido, M. López-Haro, S.I. Molina
Journal of Nanomaterials, 2018, 4906746[1]-4906746[12] (2018)
DOI: http://doi.org/10.1155/2018/4906746
Factor de Impacto: JCR(2,233), SJR(0,383)
Posición en categoría JCR: 150/293 Q3 T2 D6 (Materials Science, Multidisciplinary)

387.- QUALITY IMPROVEMENT OF AlInN/p-Si HETEROJUNCTIONS WITH ALN BUFFER LAYER DEPOSITED BY RF-SPUTTERING
A. Núñez-Cascajero, S. Valdueza-Felip, R. Blasco, M. de la Mata, S.I. Molina, M. González-Herráez, E. Monroy, F.B. Naranjo
Journal of Alloys and Compounds, 769, 824-830 (2018)
DOI: http://doi.org/10.1016/j.jallcom.2018.08.059
Factor de Impacto: JCR(4,175), SJR(1,065)
Posición en categoría JCR: 6/76 Q1 T1 D1 (Metallurgy & Metallurgical Engineering)

388.- INFLUENCE OF THE ALN INTERLAYER THICKNESS ON THE PHOTOVOLTAIC PROPERTIES OF IN-RICH AlInN ON Si HETEROJUNCTIONS DEPOSITED BY RF SPUTTERING
S. Valdueza-Felip, A. Núñez-Cascajero, R. Blasco, D. Montero, L. Grenet, M. De La Mata, S. Fernández, L. Rodríguez-De-Marcos, S.I. Molina, J. Olea, F.B. Naranjo
AIP Advances, 8 (11), 115315[1],115315[7] (2018)
DOI: http://doi.org/10.1063/1.5041924
Factor de Impacto: JCR(1,579), SJR(0,504)
Posición en categoría JCR: 95/148 Q3 T2 D7 (Physics, Applied)

389.- INFLUENCE OF THE ADDITIVATION OF GRAPHENE-LIKE MATERIALS ON THE PROPERTIES OF POLYAMIDE FOR POWDER BED FUSION
J.J. Relinque, M.G. García-Romero, J. Hernández-Saz, J. Navas, J. Gil-Mena, D.L. Sales, G. Morales-Cid, D. Aguilera, A. Periñan, F. Lasagni, S.I. Molina
Progress in Additive Manufacturing, 3 (4), 233-244 (2018)
DOI: http://doi.org/10.1007/s40964-018-0056-0
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

390.- THE SONOGEL-CARBON-PEDOT MATERIAL: AN INNOVATIVE BULK MATERIAL FOR SENSOR DEVICES D. López-Iglesias, J.J. García-Guzmán, D. Bellido-Milla, I. Naranjo-Rodríguez, J.M. Palacios-Santander, L. Cubillana-Aguilera
Journal of the Electrochemical Society, 165 (16), 906-915 (2018)
DOI: http://doi.org/10.1149/2.1021816jes
Factor de Impacto: JCR(3,12), SJR(1,138)
Posición en categoría JCR: 4/20 Q1 T1 D2 (Materials Science, Coatings & Films)

391.- A NOVEL ELECTRON MICROSCOPIC CHARACTERIZATION OF CORE/SHELL NANOBIOSTIMULATOR AGAINST PARASITIC PLANTS

F.J.R. Mejías, M. López-Haro, L.C. Gontard, A. Cala, M. Fernández-Aparicio, J.M.G. Molinillo, J.J. Calvino, F.A. Macías
ACS applied materials & interfaces, 10 (3), 2354-2359 (2018)
DOI: http://doi.org/10.1021/acsami.7b16873
Factor de Impacto: JCR(8,456), SJR(2,596)
Posición en categoría JCR: 27/293 Q1 T1 D1 (Materials Science, Multidisciplinary)

392.- MICROWAVE PERMITTIVITY OF TRACE SP2 CARBON IMPURITIES IN SUB-MICRON DIAMOND POWDERS J.A. Cuenca, E.L.H. Thomas, S. Mandal, D.J. Morgan, F. Lloret, D. Araújo, O.A. Williams, A. Porch
ACS Omega, 3 (2), 2183-2192 (2018)
DOI: http://doi.org/10.1021/acsomega.7b02000
Factor de Impacto: JCR(2,584), SJR(0,754)
Posición en categoría JCR: 76/172 Q2 T2 D5 (Chemistry, Multidisciplinary)

393.- LARGE-FORMAT POLYMERIC PELLET-BASED ADDITIVE MANUFACTURING FOR THE NAVAL INDUSTRY
Nieto Moreno, López Casal, S.I. Molina
Additive Manufacturing, 23, 79-85 (2018)
DOI: http://doi.org/10.1016/j.addma.2018.07.012
Factor de Impacto: JCR(7,173), SJR(2,591)
Posición en categoría JCR: 1/49 Q1 T1 D1 (Engineering, Manufacturing)

394.- CONFINED PT1 1+ WATER CLUSTERS IN A MOF CATALYZE THE LOW-TEMPERATURE WATER–GAS SHIFT REACTION WITH BOTH CO2 OXYGEN ATOMS COMING FROM WATER
M.A. Rivero-Crespo, M. Mon, J. Ferrando-Soria, C.W. Lopes, M. Boronat, A. Leyva-Pérez, A. Corma, J.C. Hernández-Garrido, M. López-Haro, J.J. Calvino, E.V. Ramos-Fernández, D. Armentano, E. Pardo Angewandte Chemie - International Edition, 57 (52), 17094-17099 (2018)
DOI: http://doi.org/10.1002/anie.201810251
Factor de Impacto: JCR(12,257), SJR(5,478)
Posición en categoría JCR: 17/172 Q1 T1 D1 (Chemistry, Multidisciplinary)

395.- SYNTHESIS OF DENSELY PACKAGED, ULTRASMALL Pt0 2 CLUSTERS WITHIN A THIOETHER- FUNCTIONALIZED MOF: CATALYTIC ACTIVITY IN INDUSTRIAL REACTIONS AT LOW TEMPERATURE
M. Mon, M.A. Rivero-Crespo, J. Ferrando-Soria, A. Vidal-Moya, M. Boronat, A. Leyva-Pérez, A. Corma, J.C. Hernández-Garrido, M. López-Haro, J.J. Calvino, G. Ragazzon, A. Credi, D. Armentano, E. Pardo Angewandte Chemie - International Edition, 57 (21), 6186-6191 (2018)
DOI: http://doi.org/10.1002/anie.201801957
Factor de Impacto: JCR(12,257), SJR(5,478)
Posición en categoría JCR: 17/172 Q1 T1 D1 (Chemistry, Multidisciplinary)

396.- LOW TEMPERATURE PREPARED COPPER-IRON MIXED OXIDES FOR THE SELECTIVE CO OXIDATION IN THE PRESENCE OF HYDROGEN

M.P. Yeste, H. Vidal, A.L. García-Cabeza, J.C. Hernández-Garrido, F.M. Guerra, G.A. Cifredo, J.M. González- Leal, J.M. Gatica
Applied Catalysis A: General, 552, 58-69 (2018)
DOI: http://doi.org/10.1016/j.apcata.2017.12.012
Factor de Impacto: JCR(4,63), SJR(1,211)
Posición en categoría JCR: 41/250 Q1 T1 D2 (Environmental Sciences)

397.- TOWARDS THE IMPROVEMENT OF THE GLOBAL EFFICIENCY OF CONCENTRATING SOLAR POWER PLANTS BY USING PT-BASED NANOFLUIDS: THE INTERNAL MOLECULAR STRUCTURE EFFECT
R. Gómez-Villarejo, E.I. Martín, A. Sánchez-Coronilla, T. Aguilar, J.J. Gallardo, P. Martínez-Merino, I. Carrillo- Berdugo, R. Alcántara, C. Fernández-Lorenzo, J. Navas
Applied Energy, 228, 2262-2274 (2018)
DOI: http://doi.org/10.1016/j.apenergy.2018.07.062
Factor de Impacto: JCR(8,426), SJR(3,455)
Posición en categoría JCR: 5/138 Q1 T1 D1 (Engineering, Chemical)

398.- INVESTIGATION OF ENHANCED THERMAL PROPERTIES IN NiO-BASED NANOFLUIDS FOR CONCENTRATING SOLAR POWER APPLICATIONS: A MOLECULAR DYNAMICS AND EXPERIMENTAL ANALYSIS T. Aguilar, J. Navas, A. Sánchez-Coronilla, E.I. Martín, J.J. Gallardo, P. Martínez-Merino, R. Gómez-Villarejo, J.C. Piñero, R. Alcántara, C. Fernández-Lorenzo
Applied Energy, 211, 677-688 (2018)
DOI: http://doi.org/10.1016/j.apenergy.2017.11.069
Factor de Impacto: JCR(8,426), SJR(3,455)
Posición en categoría JCR: 5/138 Q1 T1 D1 (Engineering, Chemical)

399.- HIGH QUALITY Al2O3/(100) OXYGEN-TERMINATED DIAMOND INTERFACE FOR MOSFETS FABRICATION T.T. Pham, M. Gutiérrez, C. Masante, N. Rouger, D. Eon, E. Gheeraert, D. Araùjo, J. Pernot
Applied Physics Letters, 112 (10), 102103 (2018)
DOI: http://doi.org/10.1063/1.5018403
Factor de Impacto: JCR(3,521), SJR(1,331)
Posición en categoría JCR: 31/148 Q1 T1 D3 (Physics, Applied)

400.- INSIGHTS INTO THE ANNEALING PROCESS OF SOL-GEL TiO2 FILMS LEADING TO ANATASE DEVELOPMENT: THE INTERRELATIONSHIP BETWEEN MICROSTRUCTURE AND OPTICAL PROPERTIES
E. Blanco, M. Domínguez, J.M. González-Leal, E. Márquez, J. Outón, M. Ramírez-del-Solar
Applied Surface Science, 439, 736-748 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.01.058
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

401.- PULSED LASER ABLATION AND INCUBATION OF NICKEL, IRON AND TUNGSTEN IN LIQUIDS AND AIR

N. Lasemi, U. Pacher, L.V. Zhigilei, O. Bomatí-Miguel, R. Lahoz, W. Kautek
Applied Surface Science, 433, 772-779 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2017.10.082
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

402.- HIGH RESOLUTION BORON CONTENT PROFILOMETRY AT Δ-DOPING EPITAXIAL DIAMOND INTERFACES BY CTEM
J.C. Piñero, F. Lloret, M.P. Alegre, M.P. Villar, A. Fiori, E. Bustarret, D. Araújo
Applied Surface Science, 461, 221-226 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.07.097
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

403.- DETERMINATION OF ALUMINA BANDGAP AND DIELECTRIC FUNCTIONS OF DIAMOND MOS BY STEM- VEELS
J. Cañas, J.C. Piñero, F. Lloret, M. Gutierrez, T. Pham, J. Pernot, D. Araújo
Applied Surface Science, 461, 93-97 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.06.163
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

404.- COMPOSITIONAL INHOMOGENEITIES IN TYPE-I AND TYPE-II SUPERLATTICES FOR GaAsSbN-BASED SOLAR CELLS: EFFECT OF THERMAL ANNEALING
V. Braza, D.F. Reyes, A. Gonzalo, A.D. Utrilla, J.M. Ulloa, S. Flores, T. Ben, D. González
Applied Surface Science, 459, 1-8 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.07.184
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

405.- SIZE AND SHAPE TUNABILITY OF SELF-ASSEMBLED InAs/GaAs NANOSTRUCTURES THROUGH THE CAPPING RATE
A.D. Utrilla, D.F. Grossi, D.F. Reyes, A. Gonzalo, V. Braza, T. Ben, D. González, A. Guzman, A. Hierro, P.M. Koenraad, J.M. Ulloa
Applied Surface Science, 444, 260-266 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.03.098
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

406.- OXYGEN TERMINATION OF HOMOEPITAXIAL DIAMOND SURFACE BY OZONE AND CHEMICAL METHODS: AN EXPERIMENTAL AND THEORETICAL PERSPECTIVE
J. Navas, D. Araújo, J.C. Piñero, A. Sánchez-Coronilla, E. Blanco, P. Villar, R. Alcántara, J. Montserrat, M. Florentin, D. Eon, J. Pernot
Applied Surface Science, 433, 408-418 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2017.10.065
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

407.- MODELLING OF THE Sb AND N DISTRIBUTION IN TYPE II GaAsSb/GaAsN SUPERLATTICES FOR SOLAR CELL APPLICATIONS
D.F. Reyes, V. Braza, A. Gonzalo, A.D. Utrilla, J.M. Ulloa, T. Ben, D. González
Applied Surface Science, 442, 664-672 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.02.113
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

408.- STRUCTURAL AND CHEMICAL CHARACTERIZATION OF CdSe-ZnS CORE-SHELL QUANTUM DOTS
N. Fernández-Delgado, M. Herrera, A.H. Tavabi, M. Luysberg, R.E. Dunin-Borkowski, P.J. Rodriguez-Cantó, R. Abargues, J.P. Martínez-Pastor, S.I. Molina
Applied Surface Science, 457, 93-97 (2018)
DOI: http://doi.org/10.1016/j.apsusc.2018.06.149
Factor de Impacto: JCR(5,155), SJR(1,115)
Posición en categoría JCR: 1/20 Q1 T1 D1 (Materials Science, Coatings & Films)

409.- CYTOTOXICITY OF CeO2 NANOPARTICLES USING IN VITRO ASSAY WITH MYTILUS GALLOPROVINCIALIS HEMOCYTES: RELEVANCE OF ZETA POTENTIAL, SHAPE AND BIOCORONA FORMATION
M. Sendra, M. Volland, T. Balbi, R. Fabbri, M.P. Yeste, J.M. Gatica, L. Canesi, J. Blasco
Aquatic Toxicology, 200, 13-20 (2018)
DOI: http://doi.org/10.1016/j.aquatox.2018.04.011
Factor de Impacto: JCR(3,794), SJR(1,277)
Posición en categoría JCR: 4/108 Q1 T1 D1 (Marine & Freshwater Biology)

410.- SYNTHESIS METHODS INFLUENCE CHARACTERISTICS, BEHAVIOUR AND TOXICITY OF BARE CuO NPs COMPARED TO BULK CuO AND IONIC Cu AFTER IN VITRO EXPOSURE OF RUDITAPES PHILIPPINARUM HEMOCYTES
M. Volland, M. Hampel, A. Katsumiti, M.P. Yeste, J.M. Gatica, M. Cajaraville, J. Blasco
Aquatic Toxicology, 199, 285-295 (2018)
DOI: http://doi.org/10.1016/j.aquatox.2018.04.007
Factor de Impacto: JCR(3,794), SJR(1,277)
Posición en categoría JCR: 4/108 Q1 T1 D1 (Marine & Freshwater Biology)

411.- NANOTUBES FROM THE MISFIT COMPOUND ALLOY LaS-NbxTa(1−x)S2
D. Stolovas, M. Serra, R. Popovitz-Biro, I. Pinkas, L. Houben, J.J. Calvino, E. Joselevich, R. Tenne, R. Arenal, L. Lajaunie
Chemistry of Materials, 30 (24), 8829-8842 (2018)
DOI: http://doi.org/10.1021/acs.chemmater.8b03632
Factor de Impacto: JCR(10,159), SJR(4,224)
Posición en categoría JCR: 22/293 Q1 T1 D1 (Materials Science, Multidisciplinary)

412.- GRADUAL TRANSFORMATION OF Ag2S TO Au2S NANOPARTICLES BY SEQUENTIAL CATION EXCHANGE REACTIONS: BINARY, TERNARY, AND HYBRID COMPOSITIONS
M. Dalmases, P. Torruella, J. Blanco-Portals, A. Vidal, M. López-Haro, J.J. Calvino, S.

Estradé, F. Peiró, A. Figuerola
Chemistry of Materials, 30 (19), 6893-6902 (2018)
DOI: http://doi.org/10.1021/acs.chemmater.8b03208
Factor de Impacto: JCR(10,159), SJR(4,224)
Posición en categoría JCR: 22/293 Q1 T1 D1 (Materials Science, Multidisciplinary)

413.- VISIBLE-LIGHT-ENHANCED PHOTOCATALYTIC ACTIVITY OF TOTALLY INORGANIC HALIDE-BASED PEROVSKITE
F. Reyes-Pérez, J.J. Gallardo, T. Aguilar, R. Alcántara, C. Fernández-Lorenzo, J. Navas
ChemistrySelect, 3 (36), 10226-10235 (2018)
DOI: http://doi.org/10.1002/slct.201801564
Factor de Impacto: JCR(1,716), SJR(0,445)
Posición en categoría JCR: 107/172 Q3 T2 D7 (Chemistry, Multidisciplinary)

414.- LASER-ASSISTED SYNTHESIS OF COLLOIDAL FeWxOγ AND Fe/FexOγNANOPARTICLES IN WATER AND ETHANOL
N. Lasemi, Miguel Bomatí, R. Lahoz, V.V. Lennikov, U. Pacher, C. Rentenberger, W. Kautek
ChemPhysChem, 19 (11), 1414-1419 (2018)
DOI: http://doi.org/10.1002/cphc.201701214
Factor de Impacto: JCR(3,077), SJR(1,08)
Posición en categoría JCR: 10/36 Q2 T1 D3 (Physics, Atomic, Molecular & Chemical)

415.- THREE-DIMENSIONAL DIAMOND MPCVD GROWTH OVER MESA STRUCTURES: A GEOMETRIC MODEL FOR GROWTH SECTOR CONFIGURATION
F. Lloret, D. Araújo, D. Eon, E. Bustarret
Crystal Growth and Design, 18 (12), 7628-7632 (2018)
DOI: http://doi.org/10.1021/acs.cgd.8b01424
Factor de Impacto: JCR(4,153), SJR(1,046)
Posición en categoría JCR: 3/26 Q1 T1 D2 (Crystallography)

416.- COMPARISON BETWEEN MODIFIED AND UNMODIFIED CARBON PASTE ELECTRODES FOR HEXAVALENT CHROMIUM DETERMINATION
N. Hilali, A. Ghanam, H. Mohammadi, A. Amine, J.J. García-Guzmán, L. Cubillana-Aguilera, J.M. Palacios- Santander
Electroanalysis, 30 (11), 2750-2759 (2018)
DOI: http://doi.org/10.1002/elan.201800505
Factor de Impacto: JCR(2,691), SJR(0,621)
Posición en categoría JCR: 31/84 Q2 T2 D4 (Chemistry, Analytical)

417.- METHANATION OF CARBON DIOXIDE OVER CERIA-PRASEODYMIA PROMOTED Ni-ALUMINA CATALYSTS. INFLUENCE OF METAL LOADING, PROMOTER COMPOSITION AND ALUMINA MODIFIER
A. Lechkar, A. Barroso-Bogeat, G. Blanco, J.M. Pintado, el Soussi
Fuel, 234, 1401-1413 (2018)

DOI: http://doi.org/10.1016/j.fuel.2018.07.157
Factor de Impacto: JCR(5,128), SJR(1,745)
Posición en categoría JCR: 13/138 Q1 T1 D1 (Engineering, Chemical)

418.- IMPACT OF NONHOMOEPITAXIAL DEFECTS IN DEPLETED DIAMOND MOS CAPACITORS
T.T. Pham, J.C. Piñero, A. Marechal, M. Gutierrez, F. Lloret, D. Eon, E. Gheeraert, N. Rouger, D. Araújo, J. Pernot
IEEE Transactions on Electron Devices, 65 (5), 1830-1837 (2018)
DOI: http://doi.org/10.1109/TED.2018.2813084
Factor de Impacto: JCR(2,704), SJR(0,853)
Posición en categoría JCR: 52/148 Q2 T2 D4 (Physics, Applied)

419.- INFLUENCE OF THE GROWTH TEMPERATURE ON THE COMPOSITION DISTRIBUTION AT SUB-NM SCALE OF InAlAsSb FOR SOLAR CELLS
J. Hernández-Saz, M. Herrera, J. Pizarro, P.L. Galindo, M. Gonzalez, J. Abell, R.J. Walters, S.I. Molina, S. Duguay
Journal of Alloys and Compounds, 763, 1005-1011 (2018)
DOI: http://doi.org/10.1016/j.jallcom.2018.05.333
Factor de Impacto: JCR(4,175), SJR(1,065)
Posición en categoría JCR: 6/76 Q1 T1 D1 (Metallurgy & Metallurgical Engineering)

420.- DETERMINATION OF SILVER IN SEAWATER BY THE DIRECT ANALYSIS OF SOLVENT BARS BY HIGH RESOLUTION CONTINUUM SOURCE SOLID SAMPLING GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRY
R.J. González-Álvarez, D. Bellido-Milla, J.J. Pinto, C. Moreno
Journal of Analytical Atomic Spectrometry, 33 (11), 1925-1931 (2018)
DOI: http://doi.org/10.1039/c8ja00243f
Factor de Impacto: JCR(3,646), SJR(0,901)
Posición en categoría JCR: 4/41 Q1 T1 D1 (Spectroscopy)

421.- UNDERSTANDING THE ROLE OF Ti-RICH DOMAINS IN THE STABILIZATION OF GOLD NANOPARTICLES ON MESOPOROUS SILICA-BASED CATALYSTS
A. Moragues, B. Puértolas, Á. Mayoral, R. Arenal, A.B. Hungría, S. Murcia-Mascarós, S.H. Taylor, B. Solsona, T. García, P. Amorós
Journal of Catalysis, 360, 187-200 (2018)
DOI: http://doi.org/10.1016/j.jcat.2018.02.003
Factor de Impacto: JCR(7,723), SJR(2,254)
Posición en categoría JCR: 7/138 Q1 T1 D1 (Engineering, Chemical)

422.- FORMATION MECHANISMS OF SINGLE-CRYSTALLINE InN QUANTUM DOTS FABRICATED VIA DROPLET EPITAXY
P. Aseev, Ž. Gačević, J.M. Mánuel, J.J. Jiménez, R. García, F.M. Morales, E. Calleja
Journal of Crystal Growth, 493, 65-75 (2018)
DOI: http://doi.org/10.1016/j.jcrysgro.2018.04.027
Factor de Impacto: JCR(1,573), SJR(0,515)
Posición en categoría JCR: 16/26 Q3 T2 D7 (Crystallography)

423.- GaSb AND GaSb/AlSb SUPERLATTICE BUFFER LAYERS FOR HIGH-QUALITY PHOTODIODES GROWN ON COMMERCIAL GaAs AND Si SUBSTRATES
M. Gutiérrez, F. Lloret, P. Jurczak, J. Wu, H.Y. Liu, D. Araújo
Journal of Electronic Materials, 47 (9), 5083-5086 (2018)
DOI: http://doi.org/10.1007/s11664-018-6388-1
Factor de Impacto: JCR(1,676), SJR(0,422)
Posición en categoría JCR: 85/148 Q3 T2 D6 (Physics, Applied)

424.- GEOMETRIC-STRUCTURAL STUDY OF THE ACCELERATED DEGRADATION OF MOLD CAVITIES FOR HDPE INJECTION
M. Suffo, F.J. Delgado, S.I. Molina
Journal of Failure Analysis and Prevention, 18 (1), 55-65 (2018)
DOI: http://doi.org/10.1007/s11668-017-0378-0
Factor de Impacto: SJR(0,237)
Posición en categoría JCR: No indexada.

425.- PHYSICOCHEMICAL PROPERTIES OF NANOSTRUCTURED PD/LANTHANIDE-DOPED CERIA SPHERES WITH HIGH CATALYTIC ACTIVITY FOR CH4 COMBUSTION
R.O. Fuentes, L.M. Acuña, A.G. Leyva, R.T. Baker, H. Pan, X. Chen, J.J. Delgado-Jaén
Journal of Materials Chemistry A, 6 (17), 7488-7499 (2018)
DOI: http://doi.org/10.1039/c8ta00203g
Factor de Impacto: JCR(10,733), SJR(3,372)
Posición en categoría JCR: 6/103 Q1 T1 D1 (Energy & Fuels)

426.- MoS2 NANOSHEETS VS. NANOWIRES: PREPARATION AND A THEORETICAL STUDY OF HIGHLY STABLE AND EFFICIENT NANOFLUIDS FOR CONCENTRATING SOLAR POWER
J. Navas, P. Martínez-Merino, A. Sánchez-Coronilla, J.J. Gallardo, R. Alcántara, E.I. Martín, J.C. Piñero, J.R. León, T. Aguilar, J.H. Toledo, C. Fernández-Lorenzo
Journal of Materials Chemistry A, 6 (30), 14919-14929 (2018)
DOI: http://doi.org/10.1039/c8ta03817a
Factor de Impacto: JCR(10,733), SJR(3,372)
Posición en categoría JCR: 6/103 Q1 T1 D1 (Energy & Fuels)

427.- PASSIVATION LAYERS FOR NANOSTRUCTURED PHOTOANODES: ULTRA-THIN OXIDES ON InGaN NANOWIRES
P. Neuderth, P. Hille, J. Schörmann, A. Frank, C. Reitz, S. Martí-Sánchez, M. de la Mata, M. Coll, J. Arbiol, R. Marschall, M. Eickhoff
Journal of Materials Chemistry A, 6 (2), 565-573 (2018)
DOI: http://doi.org/10.1039/c7ta08071a
Factor de Impacto: JCR(10,733), SJR(3,372)
Posición en categoría JCR: 6/103 Q1 T1 D1 (Energy & Fuels)

428.- HAADF-STEM FOR THE ANALYSIS OF CORE–SHELL QUANTUM DOTS
N. Fernández-Delgado, M. Herrera, J. Pizarro, P. Galindo, S.I. Molina
Journal of Materials Science, 53 (21), 15226-15236 (2018)
DOI: http://doi.org/10.1007/s10853-018-2694-5

Factor de Impacto: JCR(3,442), SJR(0,823)
Posición en categoría JCR: 82/293 Q2 T1 D3 (Materials Science, Multidisciplinary)

429.- UNRAVELING THE ROLE OF THE BASE FLUID ARRANGEMENT IN METAL-NANOFLUIDS USED TO ENHANCE HEAT TRANSFER IN CONCENTRATING SOLAR POWER PLANTS
E.I. Martín, A. Sánchez-Coronilla, J. Navas, R. Gómez-Villarejo, J.J. Gallardo, R. Alcántara, C. Fernández- Lorenzo
Journal of Molecular Liquids, 252, 271-278 (2018)
DOI: http://doi.org/10.1016/j.molliq.2017.12.153
Factor de Impacto: JCR(4,561), SJR(0,862)
Posición en categoría JCR: 7/36 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

430.- EXPERIMENTAL AND THEORETICAL ANALYSIS OF NIO NANOFLUIDS IN PRESENCE OF SURFACTANTS
A. Sánchez-Coronilla, E.I. Martín, J. Navas, T. Aguilar, R. Gómez-Villarejo, R. Alcántara, J.C. Piñero, C. Fernández-Lorenzo
Journal of Molecular Liquids, 252, 211-217 (2018)
DOI: http://doi.org/10.1016/j.molliq.2017.12.140
Factor de Impacto: JCR(4,561), SJR(0,862)
Posición en categoría JCR: 7/36 Q1 T1 D2 (Physics, Atomic, Molecular & Chemical)

431.- INTRODUCING A NEW BOND REACTIVITY INDEX: PHILICITIES FOR NATURAL BOND ORBITALS
J. Sánchez-Márquez, D. Zorrilla, V. García, M. Fernández
Journal of Molecular Modeling, 24 (1), 25[1]-25[16] (2018)
DOI: http://doi.org/10.1007/s00894-017-3553-z
Factor de Impacto: JCR(1,335), SJR(0,37)
Posición en categoría JCR: 122/172 Q3 T3 D8 (Chemistry, Multidisciplinary)

432.- EXPERIMENTAL CHARACTERIZATION AND THEORETICAL MODELLING OF Ag AND Au-NANOFLUIDS: A COMPARATIVE STUDY OF THEIR THERMAL PROPERTIES
R. Gómez-Villarejo, E.I. Martín, A. Sánchez-Coronilla, T. Aguilar, M. Teruel, R. Alcántara, I. Carrillo-Berdugo, C. Fernández-Lorenzo, J. Navas
Journal of Nanofluids, 7 (6), 1059-1068 (2018)
DOI: http://doi.org/10.1166/jon.2018.1544
Factor de Impacto: SJR(0,289)
Posición en categoría JCR: No indexada.

433.- INFLUENCE OF SIZE AND SURFACE CAPPING ON PHOTOLUMINESCENCE AND CYTOTOXICITY OF GOLD NANOPARTICLES
C. Fernández-Ponce, J.P. Muñoz-Miranda, los de, E. Aguado, F. García-Cozar, R. Litrán
Journal of Nanoparticle Research, 20 (305), 1-19 (2018)
DOI: http://doi.org/10.1007/s11051-018-4406-0
Factor de Impacto: JCR(2,009), SJR(0,479)
Posición en categoría JCR: 162/293 Q3 T2 D6 (Materials Science, Multidisciplinary)

434.- ANALYTICAL DETERMINATION OF THE REDUCING AND STABILIZATION AGENTS PRESENT IN DIFFERENT ZOSTERA NOLTII EXTRACTS USED FOR THE BIOSYNTHESIS OF GOLD NANOPARTICLES
R. Zarzuela, M.J. Luna, M.L.A. Gil, M.J. Ortega, J.M. Palacios-Santander, I. Naranjo-Rodríguez, J.J. Delgado, L.M. Cubillana-Aguilera
Journal of Photochemistry and Photobiology B: Biology, 179, 32-38 (2018)
DOI: http://doi.org/10.1016/j.jphotobiol.2017.12.025
Factor de Impacto: JCR(4,067), SJR(0,773)
Posición en categoría JCR: 14/72 Q1 T1 D2 (Biophysics)

435.- HOMEOPATHIC PEROVSKITE SOLAR CELLS: EFFECT OF HUMIDITY DURING FABRICATION ON THE PERFORMANCE AND STABILITY OF THE DEVICE
L. Contreras-Bernal, C. Aranda, M. Valles-Pelarda, T.T. Ngo, S. Ramos-Terrón, J.J. Gallardo, J. Navas, A. Guerrero, I. Mora-Seró, J. Idígoras, J.A. Anta
Journal of Physical Chemistry C, 122 (10), 5341-5348 (2018)
DOI: http://doi.org/10.1021/acs.jpcc.8b01558
Factor de Impacto: JCR(4,309), SJR(1,652)
Posición en categoría JCR: 60/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

436.- REINFORCED SILICA-CARBON NANOTUBE MONOLITHIC AEROGELS SYNTHESISED BY RAPID CONTROLLED GELATION
M. Piñero, M.D.M. Mesa-Díaz, D. de Los Santos, M.V. Reyes-Peces, J.A. Díaz-Fraile, N. de la Rosa-Fox, L. Esquivias, V Morales-Florez
Journal of Sol-Gel Science and Technology, 1-9 (2018)
DOI: http://doi.org/10.1007/s10971-018-4645-7
Factor de Impacto: JCR(1,986), SJR(0,489)
Posición en categoría JCR: 7/28 Q1 T1 D3 (Materials Science, Ceramics)

437.- GAUSSIAN KERNEL DENSITY FUNCTIONS FOR COMPOSITIONAL QUANTIFICATION IN ATOM PROBE TOMOGRAPHY
J. Hernández-Saz, J. Pizarro, M. Herrera, S.I. Molina, P.L. Galindo
Materials Characterization, 139, 63-69 (2018)
DOI: http://doi.org/10.1016/j.matchar.2018.02.033
Factor de Impacto: JCR(3,22), SJR(1,295)
Posición en categoría JCR: 4/33 Q1 T1 D2 (Materials Science, Characterization & Testing)

438.- MULTICATIONIC Sr4Mn3O10 MESOSTRUCTURES: MOLTEN SALT SYNTHESIS, ANALYTICAL ELECTRON MICROSCOPY STUDY AND REACTIVITY
I.N. González-Jiménez, A. Torres-Pardo, S. Rano, C. Laberty-Robert, J.C. Hernández-Garrido, M. López-Haro, J.J. Calvino, Á. Varela, C. Sánchez, M. Parras, J.M. González-Calbet, D. Portehault
Materials Horizons, 5 (3), 480-485 (2018)
DOI: http://doi.org/10.1039/c7mh00952f
Factor de Impacto: JCR(14,356), SJR(5,171)
Posición en categoría JCR: 17/293 Q1 T1 D1 (Materials Science, Multidisciplinary)

439.- SIMPLIFIED BOX ORBITALS FOR MOLECULES CONTAINING ATOMS BEYOND Ar
V. García, D. Zorrilla, J. Sánchez-Márquez, M. Fernández
Molecular Physics, 116 (18), 2310-2320 (2018)
DOI: http://doi.org/10.1080/00268976.2018.1481543
Factor de Impacto: JCR(1,571), SJR(0,635)
Posición en categoría JCR: 28/36 Q4 T3 D8 (Physics, Atomic, Molecular & Chemical)

440.- INTRODUCING A NEW METHODOLOGY FOR THE CALCULATION OF LOCAL PHILICITY AND MULTIPHILIC DESCRIPTOR: AN ALTERNATIVE TO THE FINITE DIFFERENCE APPROXIMATION
J. Sánchez-Márquez, D. Zorrilla, V. García, M. Fernández
Molecular Physics, 116 (13), 1737-1748 (2018)
DOI: http://doi.org/10.1080/00268976.2018.1445875
Factor de Impacto: JCR(1,571), SJR(0,635)
Posición en categoría JCR: 28/36 Q4 T3 D8 (Physics, Atomic, Molecular & Chemical)

441.- A SOLVOTHERMAL SYNTHESIS OF TiO2 NANOPARTICLES IN A NON-POLAR MEDIUM TO PREPARE HIGHLY STABLE NANOFLUIDS WITH IMPROVED THERMAL PROPERTIES
T. Aguilar, I. Carrillo-Berdugo, R. Gómez-Villarejo, J.J. Gallardo, P. Martínez-Merino, J.C. Piñero, R. Alcántara, C. Fernández-Lorenzo, J. Navas
Nanomaterials, 8 (10), 816[1]-816[16] (2018)
DOI: http://doi.org/10.3390/nano8100816
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

442.- SELECTIVE OXIDATION OF VERATRYL ALCOHOL OVER Au-Pd/Ce0.62Zr0.38O2 CATALYSTS SYNTHESIZED BY SOL-IMMOBILIZATION: EFFECT OF Au:Pd MOLAR RATIO
C.M. Olmos, L.E. Chinchilla, A.M. Cappella, A. Villa, J.J. Delgado, A.B. Hungría, G. Blanco, J.J. Calvino, L. Prati, X. Chen
Nanomaterials, 8 (9), 669[1]-669[16] (2018)
DOI: http://doi.org/10.3390/nano8090669
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

443.- TiO2-SiO2 COATINGS WITH A LOW CONTENT OF AuNPs FOR PRODUCING SELF-CLEANING BUILDING MATERIALS
M. Luna, J.J. Delgado, M.L.A. Gil, M.J. Mosquera
Nanomaterials, 8 (3), 177[1]-177[26] (2018)
DOI: http://doi.org/10.3390/nano8030177
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

444.- CRYSTALLINE DEFECTS INDUCED DURING MPCVD LATERAL HOMOEPITAXIAL DIAMOND GROWTH
F. Lloret, D. Eon, E. Bustarret, D. Araújo
Nanomaterials, 8 (10), 814[1]-814[10] (2018)

DOI: http://doi.org/10.3390/nano8100814
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

445.- CONTROL OF THE ALUMINA MICROSTRUCTURE TO REDUCE GATE LEAKS IN DIAMOND MOSFETS
M. Gutiérrez, F. Lloret, T.T. Pham, J. Cañas, D.F. Reyes, D. Eon, J. Pernot, D. Araújo
Nanomaterials, 8 (8), 584[1]-584[8] (2018)
DOI: http://doi.org/10.3390/nano8080584
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

446.- BORON-DOPING PROXIMITY EFFECTS ON DISLOCATION GENERATION DURING NON-PLANAR MPCVD HOMOEPITAXIAL DIAMOND GROWTH
F. Lloret, D. Eon, E. Bustarret, A. Fiori, D. Araújo
Nanomaterials, 8 (7), 480[1]-480[7] (2018)
DOI: http://doi.org/10.3390/nano8070480
Factor de Impacto: JCR(4,034), SJR(0,896)
Posición en categoría JCR: 71/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

447.- A MACROSCOPICALLY RELEVANT 3D-METROLOGY APPROACH FOR NANOCATALYSIS RESEARCH
M. López-Haro, M. Tinoco, S. Fernández-Garcia, X. Chen, A.B. Hungria, M.Á. Cauqui, J.J. Calvino
Particle and Particle Systems Characterization, 35 (3), 1700343[1]-1700343[11] (2018)
DOI: http://doi.org/10.1002/ppsc.201700343
Factor de Impacto: JCR(4,194), SJR(1,213)
Posición en categoría JCR: 62/293 Q1 T1 D3 (Materials Science, Multidisciplinary)

448.- UNVEALING GaN POLYTYPISM IN DISTRIBUTED GaN/InAlN BRAGG REFLECTORS THROUGH HRTEM IMAGE SIMULATION
L. López-Conesa, J.A. Pérez-Omil, Ž. Gačević, E. Calleja, S. Estradé, F. Peiró
Physica Status Solidi (A) Applications and Materials Science, 215 (19), 1800218[1]-1800218[6] (2018)
DOI: http://doi.org/10.1002/pssa.201800218
Factor de Impacto: JCR(1,606), SJR(0,545)
Posición en categoría JCR: 42/68 Q3 T2 D7 (Physics, Condensed Matter)

449.- REVEALING AT THE MOLECULAR LEVEL THE ROLE OF THE SURFACTANT IN THE ENHANCEMENT OF THE THERMAL PROPERTIES OF THE GOLD NANOFLUID SYSTEM USED FOR CONCENTRATING SOLAR POWER
E.I. Martín, A. Sánchez-Coronilla, J. Navas, R. Gómez-Villarejo, P. Martínez-Merino, R. Alcántara, C. Fernández-Lorenzo
Physical Chemistry Chemical Physics, 20 (4), 2421-2430 (2018)
DOI: http://doi.org/10.1039/c7cp05384c
Factor de Impacto: JCR(3,567), SJR(1,31)
Posición en categoría JCR: 9/36 Q1 T1 D3 (Physics, Atomic, Molecular & Chemical)

450.- CALIBRATION OF A COHESIVE MODEL FOR FRACTURE IN LOW CROSS-LINKED EPOXY RESINS D. Torres, S. Guo, M.P.. Villar, D. Araújo, R. Estevez
Polymers, 10 (12), 1321[1]-1321[20] (2018)
DOI: http://doi.org/10.3390/polym10121321
Factor de Impacto: JCR(3,164), SJR(0,724)
Posición en categoría JCR: 17/89 Q1 T1 D2 (Polymers Science)

451.- DRAMATICALLY ENHANCED THERMAL PROPERTIES FOR TiO2-BASED NANOFLUIDS FOR BEING USED AS HEAT TRANSFER FLUIDS IN CONCENTRATING SOLAR POWER PLANTS
A. Yasinskiy, J. Navas, T. Aguilar, R. Alcántara, J.J. Gallardo, A. Sánchez-Coronilla, E.I. Martín, D. De Los Santos, C. Fernández-Lorenzo
Renewable Energy, 119, 809-819 (2018)
DOI: http://doi.org/10.1016/j.renene.2017.10.057
Factor de Impacto: JCR(5,439), SJR(1,889)
Posición en categoría JCR: 17/103 Q1 T1 D2 (Energy & Fuels)

452.- THREE-DIMENSIONAL CHEMICAL MAPPING USING NON-DESTRUCTIVE SEM AND PHOTOGRAMMETRY
L.C. Gontard, M. Batista, J. Salguero, J.J. Calvino
Scientific Reports, 8 (1), 11000[1]-11000[10] (2018)
DOI: http://doi.org/10.1038/s41598-018-29458-8
Factor de Impacto: JCR(4,011), SJR(1,414)
Posición en categoría JCR: 15/69 Q1 T1 D3 (Multidisciplinary Sciences)

453.- ENGINEERING OF III-NITRIDE SEMICONDUCTORS ON LOW TEMPERATURE CO-FIRED CERAMICS
J.M. Mánuel, J.J. Jiménez, F.M. Morales, B. Lacroix, A.J. Santos, R. García, E. Blanco, M. Domínguez, M. Ramírez, A.M. Beltrán, D. Alexandrov, J. Tot, R. Dubreuil, V. Videkov, S. Andreev, B. Tzaneva, H. Bartsch, J. Breiling, J. Pezoldt, M. Fischer, J. Müller
Scientific Reports, 8 (1), 6879[1]-6879[14] (2018)
DOI: http://doi.org/10.1038/s41598-018-25416-6
Factor de Impacto: JCR(4,011), SJR(1,414)
Posición en categoría JCR: 15/69 Q1 T1 D3 (Multidisciplinary Sciences)

454.- DEVELOPMENT OF SONOGEL-CARBON BASED BIOSENSORS USING SINUSOIDAL VOLTAGES AND CURRENTS METHODS
J.J. García Guzmán, L.C. Aguilera, D.B. Milla, I.N. Rodríguez, C. Lete, J.M. Palacios Santander, S. Lupu Sensors and Actuators, B: Chemical, 255, 1525-1535 (2018)
DOI: http://doi.org/10.1016/j.snb.2017.08.161
Factor de Impacto: JCR(6,393), SJR(1,389)
Posición en categoría JCR: 2/61 Q1 T1 D1 (Instruments & Instrumentation)

455.- SURFACE AND REDOX CHARACTERIZATION OF NEW NANOSTRUCTURED ZrO2@CeO2 SYSTEMS WITH POTENTIAL CATALYTIC APPLICATIONS

A. Barroso-Bogeat, B. Núñez-Pérez, G. Blanco, J.M. Pintado, J.C. Hernández-Garrido, J.J. Calvino
Surface and Interface Analysis, 50 (11), 1025-1029 (2018)
DOI: http://doi.org/10.1002/sia.6444
Factor de Impacto: JCR(1,319), SJR(0,451)
Posición en categoría JCR: 123/148 Q4 T3 D9 (Chemistry, Physical)

456.- PREDICTION OF PARAMETERS RELATED TO GRAPE RIPENING BY MULTIVARIATE CALIBRATION OF VOLTAMMETRIC SIGNALS ACQUIRED BY AN ELECTRONIC TONGUE
L. Pigani, G. Vasile Simone, G. Foca, A. Ulrici, F. Masino, L. Cubillana-Aguilera, R. Calvini, R. Seeber
Talanta, 178, 178-187 (2018)
DOI: http://doi.org/10.1016/j.talanta.2017.09.027
Factor de Impacto: JCR(4,916), SJR(1,152)
Posición en categoría JCR: 11/84 Q1 T1 D2 (Chemistry, Analytical)

457.- AN ELLIPSOMETRIC ANALYSIS TO MODEL THE ORDER-DISORDER TRANSITION IN Au-SiO2 NANO- GRANULAR THIN FILMS INDUCED BY THERMAL ANNEALING
H. Bakkali, E. Blanco, M. Amrani, J. Brigui, M. Domínguez
Thin Solid Films, 660, 455-462 (2018)
DOI: http://doi.org/10.1016/j.tsf.2018.06.045
Factor de Impacto: JCR(1,888), SJR(0,531)
Posición en categoría JCR: 74/148 Q2 T2 D5 (Physics, Applied)

458.- A SINGLE SLICE APPROACH FOR SIMULATING TWO-BEAM ELECTRON DIFFRACTION OF NANOCRYSTALS L.C. Gontard, A. Barroso-Bogeat, R.E. Dunin-Borkowski, J.J. Calvino
Ultramicroscopy, 195, 171-188 (2018)
DOI: http://doi.org/10.1016/j.ultramic.2018.09.004
Factor de Impacto: JCR(2,644), SJR(1,556)
Posición en categoría JCR: 2/9 Q1 T1 D3 (Microscopy)

459.- MOS2/CU/TIO2 NANOPARTICLES: SYNTHESIS, CHARACTERIZATION AND EFFECT ON PHOTOCATALYTIC DECOMPOSITION OF METHYLENE BLUE IN WATER UNDER VISIBLE LIGHT
D. De Los Santos, S. Chahid, R. Alcántara, J. Navas, T. Aguilar, J.J. Gallardo, R. Gómez-Villarejo, I. Carrillo- Berdugo, C. Fernández-Lorenzo
Water Science and Technology, 2017 (1), 184-193 (2018)
DOI: http://doi.org/10.2166/wst.2018.101
Factor de Impacto: JCR(1,624), SJR(0,455)
Posición en categoría JCR: 58/91 Q3 T2 D7 (Water Resources)

460.- PERFORMANCE OF SUPPORTED Au-Pd ALLOY NANO PARTICLES CATALYST FOR BASE-FREE SYNTHESIS OF IMINES BY SELF-COUPLING OF AMINE
M. Jia, W. Ao, Y. Bao, X. Chen, Y Sagala, J. Wang, Y Zhaorigetu
Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering, 47 (2), 442-446 (2018)

Factor de Impacto: JCR(0,381), SJR(0,241)
Posición en categoría JCR: 71/76 Q4 T3 D10 (Metallurgy & Metallurgical Engineering)

461.- DIFFERENTIAL PULSE VOLTAMMETRIC DETERMINATION OF PIROXICAM ON LANTHANIDE FERRIC OXIDE NANOPARTICLES-CARBON PASTE MODIFIED ELECTRODE
I. Yves Lopes de Macêdo, M. Fernandes Alecrim, L. Ferreira García, A. Ribeiro de Souza, W. Torres Pio dos Santos, E. de Souza Gil, L.M. Cubillana-Aguilera, J.M. Palacios-Santander
Current Pharmaceutical Analysis, 3 (14), 271-276 (2018)
DOI: http://doi.org/10.2174/1573412913666170410131223
Factor de Impacto: JCR(0,829), SJR(0,218)
Posición en categoría JCR: 244/267 Q4 T3 D10 (Pharmacology & Pharmacy)

462.- COLLOIDAL LEAD IODIDE NANORINGS
E. Klein, L. Heymann, A.B. Hungria, R. Lesyuk, C. Klinke
Nanoscale, 10 (45), 21197-21206 (2018)
DOI: http://doi.org/10.1039/c8nr06430j
Factor de Impacto: JCR(6,97), SJR(2,396)
Posición en categoría JCR: 18/148 Q1 T1 D2 (Physics, Applied)

463.- ANALYSIS OF Bi DISTRIBUTION IN EPITAXIAL GaAsBi BY ABERRATION-CORRECTED HAADF-STEM
N. Balades, D. L. Sales, M. Herrera, C. H. Tan, Y. Liu, R. D. Richards
Nanoscale Research Letters, 13, 125-133 (2018)
DOI: http://doi.org/10.1186/s11671-018-2530-5
Factor de Impacto: JCR(3,159), SJR(0,782)
Posición en categoría JCR: 41/148 Q2 T1 D3 (Physics, Applied)

464.- INFLUENCE OF TEMPERATURE AND DOPING CONTENT ON THE PHOTOCATALYTIC ACTIVITY IN VISIBLE LIGHT OF W-DOPED TiO2
C. Moslah, T. Aguilar, M. Ksibi, R. Alcantara
Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, Vols I And II, 153-154 (2018)
DOI: http://doi.org/10.1007/978-3-319-70548-4_51
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.
ANEXOS

465.- NANOSTRUCTURED Pd-Pt NANOPARTICLES: EVIDENCES OF STRUCTURE/PERFORMANCE RELATIONS IN CATALYTIC H2 PRODUCTION REACTIONS
M. Monai, T. Montini, E. Fonda, M. Crosera, J.J. Delgado, G. Adami, P. Fornasiero
Applied Catalysis B: Environmental, 236, 88-98 (2018)
DOI: http://doi.org/10.1016/j.apcatb.2018.05.019
Factor de Impacto: JCR(14,229), SJR(3,753)
Posición en categoría JCR: 1/52 Q1 T1 D1 (Engineering, Environmental)

466.- LONG-TERM EFFECTIVENESS, UNDER A COASTAL ENVIRONMENT, OF A NOVEL CONSERVATION NANOMATERIAL APPLIED ON SANDSTONE FROM A ROMAN ARCHAEOLOGICAL SITE
F. Elhaddad, L.A.M. Carrascosa, M.J. Mosquera
Journal of Cultural Heritage, 34, 208-217 (2018)
DOI: http://doi.org/10.1016/j.culher.2018.04.013
Factor de Impacto: JCR(1,955), SJR(0,61)
Posición en categoría JCR: 103/196 Q3 T2 D6 (Geosciences, Multidisciplinary)

467.- EVALUATION OF THE EFFECTIVENESS OF CuONPS/SiO2-BASED TREATMENTS FOR BUILDING STONES AGAINST THE GROWTH OF PHOTOTROPHIC MICROORGANISMS
R. Zarzuela, I. Moreno-Garrido, J. Blasco, M.L.A. Gil, M.J. Mosquera
Construction and Building Materials, 187, 501-509 (2018)
DOI: http://doi.org/10.1016/j.conbuildmat.2018.07.116
Factor de Impacto: JCR(4,046), SJR(1,522)
Posición en categoría JCR: 9/132 Q1 T1 D1 (Engineering, Civil)

468.- THE EFFECT OF Cu-DOPED TiO2 PHOTOANODE ON PHOTOVOLTAIC PERFORMANCE OF DYE-SENSITIZED SOLAR CELLS.
S. Chahid, D.M. de los Santos, R. Alcántara
ACM International Conference Proceeding Series (2018)
DOI: http://doi.org/10.1145/3286606.3286854
Factor de Impacto: SJR(0,169)
Posición en categoría JCR: No indexada.

469.- NEW CONSOLIDANT-HYDROPHOBIC TREATMENT BY COMBINING SiO2 COMPOSITE AND FLUORINATED ALKOXYSILANE: APPLICATION ON DECAYED BIOCALCAREOUS STONE FROM AN 18TH CENTURY CATHEDRAL D.S. Facio, J.A. Ordoñez, M.L.A. Gil, L.A.M. Carrascosa, M.J. Mosquera
Coatings, 8 (5) (2018)
DOI: http://doi.org/10.3390/coatings8050170
Factor de Impacto: JCR(2,33)
Posición en categoría JCR: 7/20 Q2 T2 D4 (Materials Science, Coatings & Films)

470.- LONG-TERM EFFECTIVENESS, UNDER A MOUNTAIN ENVIRONMENT, OF A NOVEL CONSERVATION NANOMATERIAL APPLIED ON LIMESTONE FROM A ROMAN ARCHAEOLOGICAL SITE
F. Elhaddad, L.A.M. Carrascosa, M.J. Mosquera
Materials, 11 (5) (2018)
DOI: http://doi.org/10.3390/ma11050694
Factor de Impacto: JCR(2,972), SJR(0,686)
Posición en categoría JCR: 102/293 Q2 T2 D4 (Materials Science, Multidisciplinary)

471.- ADHESIVE BEHAVIOUR OF CARBON FIBRE REINFORCED PLASTIC PANELS MANUFACTURED USING WOVEN AND UNIDIRECTIONAL TAPE AFTER ULTRAVIOLET LASER SURFACE TREATMENT
M. Botana-Galvín, G. Blanco, L. González-Rovira, M.A. Rodríguez, F.J. Botana

Journal of Composite Materials, 52 (7), 853-865 (2018)
DOI: http://doi.org/10.1177/0021998317718614
Factor de Impacto: JCR(1,755), SJR(0,588)
Posición en categoría JCR: 13/25 Q3 T2 D6 (Materials Science, Composites)

472.- PRODUCING SUPERHYDROPHOBIC/OLEOPHOBIC COATINGS ON CULTURAL HERITAGE BUILDING MATERIALS
M.J. Mosquera, L.A.M. Carrascosa, N. Badreldin
Pure and Applied Chemistry, 90 (3), 551-561 (2018)
DOI: http://doi.org/10.1515/pac-2017-0404
Factor de Impacto: JCR(2,35), SJR(1,24)
Posición en categoría JCR: 83/172 Q2 T2 D5 (Chemistry, Multidisciplinary)

473.- SILICON (001) HETEROEPITAXY ON 3C-SiC(001)/Si(001) SEED
T. Yeghoyan, K. Alassaad, S.R.C. McMitchell, M. Gutierrez, V. Souliere, D. Araújo, G. Ferro
Materials Science Forum, 924 MSF, 128-131 (2018)
DOI: http://doi.org/10.4028/www.scientific.net/MSF.924.128
Factor de Impacto: SJR(0,173)
Posición en categoría JCR: No indexada.

474.- PHOTOCATALYTIC ACTIVITY OF TiO2/AuNRS-SiO2 NANOCOMPOSITES APPLIED TO BUILDING MATERIALS
A. Truppi, M. Luna, F. Petronella, A. Falcicchio, C. Giannini, R. Comparelli, M.J. Mosquera
Coatings, 8 (9) (2018)
DOI: http://doi.org/10.3390/COATINGS8090296
Factor de Impacto: JCR(2,33)
Posición en categoría JCR: 7/20 Q2 T2 D4 (Materials Science, Coatings & Films)

475.- M(Al,Ni)-TiO2-BASED PHOTOANODE FOR PHOTOELECTROCHEMICAL SOLAR CELLS
J. Navas, F. Reyes-Pérez, R. Alcántara, C. Fernández-Lorenzo, J.J.G. Bernal, J. Martín-Calleja
Zeitschrift fur Physikalische Chemie, 232 (4), 489-506 (2018)
DOI: http://doi.org/10.1515/zpch-2017-1002
Factor de Impacto: JCR(0,975), SJR(0,327)
Posición en categoría JCR: 132/148 Q4 T3 D9 (Chemistry, Physical)

2017

476.- STRUCTURAL AND COMPOSITIONAL ANALYSIS OF CORE/SHELL QDs BY TRANSMISSION ELECTRON
N. Fernández-Delgado, M. Herrera-Collado, J. Pizarro, P. Galindo, P. Rodriguez-cantó, R. Abargues, J. Martínez-pastor, S.I. Molina
Microscopy and Microanalysis, 23 (1), 1768-1769 (2017)

DOI: http://doi.org/10.1017/S1431927617009503
Factor de Impacto: JCR(2,124), SJR(0,292)
Posición en categoría JCR: 3/10 Q2 T1 D3 (Microscopy)

477.- IMPROVED OXIDASE MIMETIC ACTIVITY BY PRASEODYMIUM INCORPORATION INTO CERIA NANOCUBES
L. Jiang, S. Fernández-Garcia, M. Tinoco, Z. Yan, Q. Xue, G. Blanco, J.J. Calvino, A.B. Hungria, X. Chen
ACS applied materials & interfaces, 9 (22), 18595-18608 (2017)
DOI: http://doi.org/10.1021/acsami.7b05036
Factor de Impacto: JCR(8,097), SJR(2,784)
Posición en categoría JCR: 26/285 Q1 T1 D1 (Materials Science, Multidisciplinary)

478.- CRITICAL INFLUENCE OF REDOX PRETREATMENTS ON THE CO OXIDATION ACTIVITY OF BaFeO3-δ PEROVSKITES: AN IN-DEPTH ATOMIC-SCALE ANALYSIS BY ABERRATION-CORRECTED AND IN SITU DIFFRACTION TECHNIQUES
A.E. Hadri, I. Gómez-Recio, E.D. Río, J.C. Hernández-Garrido, R. Cortés-Gil, M. Hernando, Á. Varela, Á. Gutiérrez-Alonso, M. Parras, J.J. Delgado, J.A. Pérez-Omil, G. Blanco, J.J. Calvino, J.M. González-Calbet
ACS Catalysis, 7 (12), 8653-8663 (2017)
DOI: http://doi.org/10.1021/acscatal.7b02595
Factor de Impacto: JCR(11,384), SJR(4,921)
Posición en categoría JCR: 13/146 Q1 T1 D1 (Chemistry, Physical)

479.- HOT ELECTRON COLLECTION ON BROOKITE NANORODS LATERAL FACETS FOR PLASMON-ENHANCED WATER OXIDATION
A. Naldoni, T. Montini, F. Malara, M.M. Mróz, A. Beltram, T. Virgili, C.L. Boldrini, M. Marelli, I. Romero- Ocaña, J.J. Delgado, V. Dal Santo, P. Fornasiero
ACS Catalysis, 7 (2), 1270-1278 (2017)
DOI: http://doi.org/10.1021/acscatal.6b03092
Factor de Impacto: JCR(11,384), SJR(4,921)
Posición en categoría JCR: 13/146 Q1 T1 D1 (Chemistry, Physical)

480.- SYNTHESIS OF SUPPORTED PLANAR IRON OXIDE NANOPARTICLES AND THEIR CHEMO- AND STEREOSELECTIVITY FOR HYDROGENATION OF ALKYNES
M. Tejeda-Serrano, J.R. Cabrero-Antonino, V. Mainar-Ruiz, M. López-Haro, J.C. Hernández-Garrido, J.J. Calvino, A. Leyva-Pérez, A. Corma
ACS Catalysis, 7 (5), 3721-3729 (2017)
DOI: http://doi.org/10.1021/acscatal.7b00037
Factor de Impacto: JCR(11,384), SJR(4,921)
Posición en categoría JCR: 13/146 Q1 T1 D1 (Chemistry, Physical)

481.- Ag/Ag2S NANOCRYSTALS FOR HIGH SENSITIVITY NEAR-INFRARED LUMINESCENCE NANOTHERMOMETRY
D. Ruiz, B. del Rosal, M. Acebrón, C. Palencia, C. Sun, J. Cabanillas-González, M. López-Haro, A.B. Hungría, D. Jaque, B.H. Juarez
Advanced Functional Materials, 27 (6), 1604629[1]-1604629[9] (2017)

DOI: http://doi.org/10.1002/adfm.201604629
Factor de Impacto: JCR(13,325), SJR(5,617)
Posición en categoría JCR: 6/146 Q1 T1 D1 (Physics, Applied)

482.- A NEW ANALYTICAL TECHNIQUE FOR THE EXTRACTION AND QUANTIFICATION OF MICROPLASTICS IN MARINE SEDIMENTS FOCUSED ON EASY IMPLEMENTATION AND REPEATABILITY
J. Sánchez-Nieva, J.A. Perales, J.M. González-Leal, E. Rojo-Nieto
Analytical Methods, 9 (45), 6371-6378 (2017)
DOI: http://doi.org/10.1039/c7ay01800b
Factor de Impacto: JCR(2,073), SJR(0,619)
Posición en categoría JCR: 52/133 Q2 T2 D4 (Food Science & Technology)

483.- NON-THERMAL PLASMA ACTIVATION OF GOLD-BASED CATALYSTS FOR LOW-TEMPERATURE WATER– GAS SHIFT CATALYSIS
C.E. Stere, J.A. Anderson, S. Chansai, J.J. Delgado, A. Goguet, W.G. Graham, C. Hardacre, S.F.R. Taylor, X. Tu, Z. Wang, H. Yang
Angewandte Chemie - International Edition, 56 (20), 5579-5583 (2017)
DOI: http://doi.org/10.1002/anie.201612370
Factor de Impacto: JCR(12,102), SJR(6,155)
Posición en categoría JCR: 14/171 Q1 T1 D1 (Chemistry, Multidisciplinary)

484.- CARBON SUPPORTED RU-NI BIMETALLIC CATALYSTS FOR THE ENHANCED ONE-POT CONVERSION OF CELLULOSE TO SORBITOL
L.S. Ribeiro, J.J. Delgado, J.J.M. Órfão, M.F.R. Pereira
Applied Catalysis B: Environmental, 217, 265-274 (2017)
DOI: http://doi.org/10.1016/j.apcatb.2017.04.078
Factor de Impacto: JCR(11,698), SJR(3,152)
Posición en categoría JCR: 1/50 Q1 T1 D1 (Engineering, Environmental)

485.- AG-BASED NANOFLUIDIC SYSTEM TO ENHANCE HEAT TRANSFER FLUIDS FOR CONCENTRATING SOLAR POWER: NANO-LEVEL INSIGHTS
R. Gómez-Villarejo, E.I. Martín, J. Navas, A. Sánchez-Coronilla, T. Aguilar, J.J. Gallardo, R. Alcántara, D. De los Santos, I. Carrillo-Berdugo, C. Fernández-Lorenzo
Applied Energy, 194, 19-29 (2017)
DOI: http://doi.org/10.1016/j.apenergy.2017.03.003
Factor de Impacto: JCR(7,9), SJR(3,162)
Posición en categoría JCR: 4/137 Q1 T1 D1 (Engineering, Chemical)

486.- SOLID SOLUTION STRENGTHENING IN GaSb/GaAs: A MODE TO REDUCE THE TD DENSITY THROUGH BE-DOPING
M. Gutiérrez, D. Araújo, P. Jurczak, J. Wu, H. Liu
Applied Physics Letters, 110 (9), 092103[1]-092103[4] (2017)
DOI: http://doi.org/10.1063/1.4977489
Factor de Impacto: JCR(3,495), SJR(1,382)
Posición en categoría JCR: 29/146 Q1 T1 D2 (Physics, Applied)

487.- HIGHLY STABLE CERIA-ZIRCONIA-YTTRIA SUPPORTED Ni CATALYSTS FOR SYNGAS PRODUCTION BY CO2 REFORMING OF METHANE
M.A. Muñoz, J.J. Calvino, J.M. Rodríguez-Izquierdo, G. Blanco, D.C. Arias, J.A. Pérez-Omil, J.C. Hernández- Garrido, J.M. González-Leal, M.A. Cauqui, M.P. Yeste
Applied Surface Science, 426, 864-873 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2017.07.210
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

488.- OPTICAL PROPERTIES OF Au–TiO2 AND Au–SiO2 GRANULAR METAL THIN FILMS STUDIED BY SPECTROSCOPIC ELLIPSOMETRY
H. Bakkali, E. Blanco, M. Domínguez, M.B. de la Mora, C. Sánchez-Aké, M. Villagrán-Muniz
Applied Surface Science, 405, 240-246 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2017.01.293
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

489.- ATOMIC COMPOSITION OF WC/ AND Zr/O-TERMINATED DIAMOND SCHOTTKY INTERFACES CLOSE TO IDEALITY
J.C. Piñero, D. Araújo, A. Fiori, A. Traoré, M.P. Villar, D. Eon, P. Muret, J. Pernot, T. Teraji
Applied Surface Science, 395, 200-207 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2016.04.166
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

490.- TWINS AND STRAIN RELAXATION IN ZINC-BLENDE GaAs NANOWIRES GROWN ON SILICON
J.C. Piñero, D. Araújo, C.E. Pastore, M. Gutierrez, C. Frigeri, A. Benali, J.F. Lelièvre, M. Gendry
Applied Surface Science, 395, 195-199 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2016.07.144
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

491.- STRUCTURAL CHARACTERIZATION OF InAlAsSb/InGaAs/InP HETEROSTRUCTURES FOR SOLAR CELLS
N. Baladés, M. Herrera, D.L. Sales, F.J. Delgado, D. Hernández-Maldonado, Q.M. Ramasse, J. Pizarro, P. Galindo, M. González, J. Abell, S. Tomasulo, J.R. Walters, S.I. Molina
Applied Surface Science, 395, 98-104 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2016.07.094
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

492.- EFFECT OF ANNEALING ON THE COMPOSITIONAL MODULATION OF InAlAsSb
N. Baladés, D.L. Sales, M. Herrera, F.J. Delgado, M. González, K. Clark, P. Pinsunkajana, N. Hoven, S. Hubbard, S. Tomasulo, J.R. Walters, S.I. Molina
Applied Surface Science, 395, 105-109 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2016.06.091
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

493.- EFFECT OF AN IN-SITU THERMAL ANNEALING ON THE STRUCTURAL PROPERTIES OF SELF-ASSEMBLED GaSb/GaAs QUANTUM DOTS
N. Fernández-Delgado, M. Herrera, M.F. Chisholm, M.A. Kamarudin, Q.D. Zhuang, M. Hayne, S.I. Molina Applied Surface Science, 395, 136-139 (2017)
DOI: http://doi.org/10.1016/j.apsusc.2016.04.131
Factor de Impacto: JCR(4,439), SJR(1,093)
Posición en categoría JCR: 1/19 Q1 T1 D1 (Materials Science, Coatings & Films)

494.- INTEGRATION OF ADSORPTION AND PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE USING TiO2 SUPPORTED ON GRANULAR ACTIVATED CARBON
H. Atout, A. Bouguettoucha, D. Chebli, J.M. Gatica, H. Vidal, M.P. Yeste, A. Amrane
Arabian Journal for Science and Engineering, 42 (4), 1475-1486 (2017)
DOI: http://doi.org/10.1007/s13369-016-2369-y
Factor de Impacto: JCR(1,092), SJR(0,303)
Posición en categoría JCR: 36/64 Q3 T2 D6 (Multidisciplinary Sciences)

495.- DEVELOPMENT OF A CHEMICAL MODEL TO PREDICT THE DOSES OF CALCIUM SULFATE AND TARTARIC ACID TO ACIDIFY MUSTS IN SHERRY AREA
J. Gómez, J.M. Palacios-Santander, C. Lasanta, L.M. Cubillana-Aguilera, R. Arnedo, J.A. Casas, B. Amilibia, I. Lloret
BIO Web of Conferences , 9 (02011), 02011[1]-02011[3] (2017)
DOI: http://doi.org/10.1051/bioconf/20170902011
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

496.- USE OF PILLARED CLAYS IN THE PREPARATION OF WASHCOATED CLAY HONEYCOMB MONOLITHS AS SUPPORT OF MANGANESE CATALYSTS FOR THE TOTAL OXIDATION OF VOCS
J.M. Gatica, J. Castiglioni, C. de los Santos, M.P. Yeste, G. Cifredo, M. Torres, H. Vidal
Catalysis Today, 296, 84-94 (2017)
DOI: http://doi.org/10.1016/j.cattod.2017.04.025
Factor de Impacto: JCR(4,667), SJR(1,347)
Posición en categoría JCR: 6/71 Q1 T1 D1 (Chemistry, Applied)

497.- PROMOTING ROLE OF POTASSIUM IN THE REVERSE WATER GAS SHIFT REACTION ON PT/MULLITE CATALYST
B. Liang, H. Duan, X. Su, X. Chen, Y. Huang, X. Chen, J.J. Delgado, T. Zhang
Catalysis Today, 281, 319-326 (2017)
DOI: http://doi.org/10.1016/j.cattod.2016.02.051

Factor de Impacto: JCR(4,667), SJR(1,347)
Posición en categoría JCR: 6/71 Q1 T1 D1 (Chemistry, Applied)

498.- DIRECT CONVERSION OF CELLULOSE TO SORBITOL OVER RUTHENIUM CATALYSTS: INFLUENCE OF THE SUPPORT
L.S. Ribeiro, J.J. Delgado, J.J. de Melo Órfão, M.F.R. Pereira
Catalysis Today, 279, 244-251 (2017)
DOI: http://doi.org/10.1016/j.cattod.2016.05.028
Factor de Impacto: JCR(4,667), SJR(1,347)
Posición en categoría JCR: 6/71 Q1 T1 D1 (Chemistry, Applied)

499.- STACKED WIRE-MESH MONOLITHS FOR VOCS COMBUSTION: EFFECT OF THE MESH-OPENING IN THE CATALYTIC PERFORMANCE
O. Sanz, E.D. Banús, A. Goya, H. Larumbe, J.J. Delgado, A. Monzón, M. Montes
Catalysis Today, 296, 76-83 (2017)
DOI: http://doi.org/10.1016/j.cattod.2017.05.054
Factor de Impacto: JCR(4,667), SJR(1,347)
Posición en categoría JCR: 6/71 Q1 T1 D1 (Chemistry, Applied)

500.- INFLUENCE OF THE SURFACE CHEMISTRY OF MULTIWALLED CARBON NANOTUBES ON THE SELECTIVE CONVERSION OF CELLULOSE INTO SORBITOL
L.S. Ribeiro, J.J. Delgado, J.J. de Melo Órfão, M.F. Ribeiro Pereira
ChemCatChem, 9 (5), 888-896 (2017)
DOI: http://doi.org/10.1002/cctc.201601224
Factor de Impacto: JCR(4,674), SJR(1,695)
Posición en categoría JCR: 34/146 Q1 T1 D3 (Chemistry, Physical)

501.- IMPROVING THE REDOX RESPONSE STABILITY OF CERIA-ZIRCONIA NANOCATALYSTS UNDER HARSH TEMPERATURE CONDITIONS
C. Arias-Duque, E. Bladt, M.A. Munoz, J.C. Hernández-Garrido, M.A. Cauqui, J.M. Rodríguez-Izquierdo, G. Blanco, S. Bals, J.J. Calvino, J.A. Pérez-Omil, M.P. Yeste
Chemistry of Materials, 29 (21), 9340-9350 (2017)
DOI: http://doi.org/10.1021/acs.chemmater.7b03336
Factor de Impacto: JCR(9,89), SJR(4,675)
Posición en categoría JCR: 21/285 Q1 T1 D1 (Materials Science, Multidisciplinary)

502.- DIRECT AND INDIRECT EFFECTS OF SILVER NANOPARTICLES ON FRESHWATER AND MARINE MICROALGAE (CHLAMYDOMONAS REINHARDTII AND PHAEODACTYLUM TRICORNUTUM)
M. Sendra, M.P. Yeste, J.M. Gatica, I. Moreno-Garrido, J. Blasco
Chemosphere, 179, 279-289 (2017)
DOI: http://doi.org/10.1016/j.chemosphere.2017.03.123
Factor de Impacto: JCR(4,427), SJR(1,435)
Posición en categoría JCR: 34/241 Q1 T1 D2 (Environmental Sciences)

503.- THE ROLE OF SURFACTANTS IN THE STABILITY OF NIO NANOFLUIDS: AN EXPERIMENTAL AND DFT STUDY

A. Sánchez-Coronilla, J. Navas, T. Aguilar, E.I. Martín, J.J. Gallardo, M.R. Gómez-Villarejo, M.I. Carrillo- Berdugo, R. Alcántara, C. Fernández-Lorenzo, J. Martín-Calleja
ChemPhysChem, 18 (4), 346-356 (2017)
DOI: http://doi.org/10.1002/cphc.201601161
Factor de Impacto: JCR(2,947), SJR(1,28)
Posición en categoría JCR: 11/36 Q2 T1 D4 (Physics, Atomic, Molecular & Chemical)

504.- LASER-ASSISTED SYNTHESIS OF COLLOIDAL Ni/NiOxCORE/SHELL NANOPARTICLES IN WATER AND ALCOHOLIC SOLVENTS
N. Lasemi, U. Pacher, C. Rentenberger, O. Bomatí-Miguel, W. Kautek
ChemPhysChem, 18 (9), 1118-1124 (2017)
DOI: http://doi.org/10.1002/cphc.201601181
Factor de Impacto: JCR(2,947), SJR(1,28)
Posición en categoría JCR: 11/36 Q2 T1 D4 (Physics, Atomic, Molecular & Chemical)

505.- TOPOLOGY OF MOLECULAR ELECTRON DENSITY AND ELECTROSTATIC POTENTIAL WITH DAMQT
R. López, J.F. Rico, G. Ramírez, I. Ema, D. Zorrilla, A. Kumar, S.D. Yeole, S.R. Gadre
Computer Physics Communications, 214, 207-215 (2017)
DOI: http://doi.org/10.1016/j.cpc.2017.01.012
Factor de Impacto: JCR(3,748), SJR(1,729)
Posición en categoría JCR: 1/55 Q1 T1 D1 (Physics, Mathematical)

506.- INSIGHTS INTO THE STABILITY OF Pt NANOPARTICLES SUPPORTED ON ANTIMONY-DOPED TIN OXIDE IN DIFFERENT POTENTIAL RANGES
G. Cognard, G. Ozouf, C. Beauger, L. Dubau, M. López-Haro, M. Chatenet, F. Maillard
Electrochimica Acta, 245, 993-1004 (2017)
DOI: http://doi.org/10.1016/j.electacta.2017.05.178
Factor de Impacto: JCR(5,116), SJR(1,439)
Posición en categoría JCR: 5/28 Q1 T1 D2 (Electrochemistry)

507.- TOXICITY OF TiO2, IN NANOPARTICLE OR BULK FORM TO FRESHWATER AND MARINE MICROALGAE UNDER VISIBLE LIGHT AND UV-A RADIATION
M. Sendra, I. Moreno-Garrido, M.P. Yeste, J.M. Gatica, J. Blasco
Environmental Pollution, 227, 39-48 (2017)
DOI: http://doi.org/10.1016/j.envpol.2017.04.053
Factor de Impacto: JCR(4,358), SJR(1,615)
Posición en categoría JCR: 39/241 Q1 T1 D2 (Environmental Sciences)

508.- EXPERIMENTAL AND THEORETICAL ANALYSIS OF NANOFLUIDS BASED ON HIGH TEMPERATURE-HEAT TRANSFER FLUID WITH ENHANCED THERMAL PROPERTIES ∗
J. Navas, A. Sánchez-Coronilla, E.I. Martín, R. Gómez-Villarejo, M. Teruel, J.J. Gallardo, T. Aguilar, R. Alcántara, C. Fernández-Lorenzo, J. Martín-Calleja
EPJ Applied Physics, 78 (1), 10901[1]-10901[8] (2017)
DOI: http://doi.org/10.1051/epjap/2017160369
Factor de Impacto: JCR(0,802), SJR(0,261)
Posición en categoría JCR: 129/146 Q4 T3 D9 (Physics, Applied)

509.- INSIGHTS ON THE COMBUSTION MECHANISM OF ETHANOL AND N-HEXANE IN HONEYCOMB MONOLITHIC TYPE CATALYSTS: INFLUENCE OF THE AMOUNT AND NATURE OF Mn-Cu MIXED OXIDE
M.R. Morales, M.P. Yeste, H. Vidal, J.M. Gatica, L.E. Cadus
Fuel, 208, 637-646 (2017)
DOI: http://doi.org/10.1016/j.fuel.2017.07.069
Factor de Impacto: JCR(4,908), SJR(1,891)
Posición en categoría JCR: 13/137 Q1 T1 D1 (Engineering, Chemical)

510.- OPTICAL CHARACTERIZATION OF AMINE-SOLUTION-PROCESSED AMORPHOUS AsS2 CHALCOGENIDE THIN FILMS BY THE USE OF TRANSMISSION SPECTROSCOPY
E. Márquez, J.M. Díaz, C. García-Vázquez, E. Blanco, J.J. Ruiz-Pérez, D.A. Minkov, G.V. Angelov, G.M. Gavrilov Journal of Alloys and Compounds, 721, 363-373 (2017)
DOI: http://doi.org/10.1016/j.jallcom.2017.05.303
Factor de Impacto: JCR(3,779), SJR(1,02)
Posición en categoría JCR: 4/75 Q1 T1 D1 (Metallurgy & Metallurgical Engineering)

511.- INTRA-PARTICLE CHEMICAL HOMOGENEITY DETERMINING THE EXCHANGE COUPLING IN PALLADIUM- IRON NANOPARTICLES
I. Castellanos-Rubio, M. Insausti, I.G. De Muro, D.C. Arias-Duque, J.C. Hernández-Garrido, L. Lezama
Journal of Applied Physics, 121 (8), 84302 (2017)
DOI: http://doi.org/10.1063/1.4976966
Factor de Impacto: JCR(2,176), SJR(0,739)
Posición en categoría JCR: 58/146 Q2 T2 D4 (Physics, Applied)

512.- INSIGHTS ON HYDRIDE FORMATION OVER CERIUM-GALLIUM MIXED OXIDES: A MECHANISTIC STUDY FOR EFFICIENT H2 DISSOCIATION
J. Vecchietti, M.A. Baltanás, C. Gervais, S.E. Collins, G. Blanco, O. Matz, M. Calatayud, A. Bonivardi
Journal of Catalysis, 345, 258-269 (2017)
DOI: http://doi.org/10.1016/j.jcat.2016.11.029
Factor de Impacto: JCR(6,759), SJR(2,397)
Posición en categoría JCR: 6/137 Q1 T1 D1 (Engineering, Chemical)

513.- MICRONIZATION OF VANILLIN BY RAPID EXPANSION OF SUPERCRITICAL SOLUTIONS PROCESS
A. Montes, R. Merino, D.M. De Los Santos, C. Pereyra, E.J. Martínez De La Ossa
Journal of CO2 Utilization, 21, 169-176 (2017)
DOI: http://doi.org/10.1016/j.jcou.2017.07.009
Factor de Impacto: JCR(5,503), SJR(1,199)
Posición en categoría JCR: 11/137 Q1 T1 D1 (Engineering, Chemical)

514.- CdTe QUANTUM DOTS LINKED TO GLUTATHIONE AS A BRIDGE FOR PROTEIN CROSSLINKING

J.J. Beato-López, M.L. Espinazo, C. Fernández-Ponce, E. Blanco, M. Ramírez-del-Solar, M. Domínguez, F. García-Cózar, R. Litrán
Journal of Luminescence, 187, 193-200 (2017)
DOI: http://doi.org/10.1016/j.jlumin.2017.03.012
Factor de Impacto: JCR(2,732), SJR(0,694)
Posición en categoría JCR: 25/94 Q2 T1 D3 (Optics)

515.- PREPARATION OF Au NANOPARTICLES IN A NON-POLAR MEDIUM: OBTAINING HIGH-EFFICIENCY NANOFLUIDS FOR CONCENTRATING SOLAR POWER. AN EXPERIMENTAL AND THEORETICAL PERSPECTIVE
R. Gómez-Villarejo, J. Navas, E.I. Martín, A. Sánchez-Coronilla, T. Aguilar, J.J. Gallardo, D. De Los Santos, R. Alcántara, C. Fernández-Lorenzo, J. Martín-Calleja
Journal of Materials Chemistry A, 5 (24), 12483-12497 (2017)
DOI: http://doi.org/10.1039/c7ta00986k
Factor de Impacto: JCR(9,931), SJR(3,488)
Posición en categoría JCR: 6/97 Q1 T1 D1 (Energy & Fuels)

516.- SOFTWARE TO OBTAIN ACCURATE GAUSSIAN EXPANSIONS FOR A WIDE RANGE OF RADIAL FUNCTIONS
V. García, D. Zorrilla, J. Sánchez-Márquez, M. Fernández-Núñez
Journal of Molecular Modeling, 23 (5), 165[1]-165[8] (2017)
DOI: http://doi.org/10.1007/s00894-017-3340-x
Factor de Impacto: JCR(1,507), SJR(0,36)
Posición en categoría JCR: 105/171 Q3 T2 D7 (Chemistry, Multidisciplinary)

517.- HYBRID PEROVSKITE, CH3NH3PbI3, FOR SOLAR APPLICATIONS: AN EXPERIMENTAL AND THEORETICAL ANALYSIS OF SUBSTITUTION IN A AND B SITES
A. Sánchez-Coronilla, J. Navas, J.J. Gallardo, E.I. Martín, D. De Los Santos, N.C. Hernández, R. Alcántara, J.H. Toledo, C. Fernández-Lorenzo
Journal of Nanomaterials, 2017, 9768918[1]-9768918[8] (2017)
DOI: http://doi.org/10.1155/2017/9768918
Factor de Impacto: JCR(2,207), SJR(0,36)
Posición en categoría JCR: 128/285 Q2 T2 D5 (Materials Science, Multidisciplinary)

518.- GADITANONE, A DITERPENOID BASED ON AN UNPRECEDENTED CARBON SKELETON ISOLATED FROM EUPHORBIA GADITANA
M.E. Flores-Giubi, M.J. Durán-Pena, J.M. Botubol-Ares, F. Escobar-Montano, D. Zorrilla, A.J. Macías-Sánchez, R. Hernández-Galán
Journal of Natural Products, 80 (7), 2161-2165 (2017)
DOI: http://doi.org/10.1021/acs.jnatprod.7b00332
Factor de Impacto: JCR(3,885), SJR(1,368)
Posición en categoría JCR: 21/222 Q1 T1 D1 (Plant Sciences)

519.- ABSORPTION CAPACITY, KINETICS AND MECHANICAL BEHAVIOUR IN DRY AND WET STATES OF HYDROPHOBIC DEDMS/TEOS-BASED SILICA AEROGELS
V. Morales-Florez, M. Piñero, V. Braza, M. del Mar Mesa, L. Esquivias, N. de la Rosa-Fox
Journal of Sol-Gel Science and Technology, 81 (2), 600-610 (2017)

DOI: http://doi.org/10.1007/s10971-016-4203-0
Factor de Impacto: JCR(1,745), SJR(0,477)
Posición en categoría JCR: 6/27 Q1 T1 D3 (Materials Science, Ceramics)

520.- CLAY HONEYCOMB MONOLITHS AS LOW COST CO2 ADSORBENTS
M.P. Yeste, J.M. Gatica, M. Ahrouch, H. Vidal
Journal of the Taiwan Institute of Chemical Engineers, 80, 415-423 (2017)
DOI: http://doi.org/10.1016/j.jtice.2017.07.031
Factor de Impacto: JCR(3,849), SJR(0,842)
Posición en categoría JCR: 24/137 Q1 T1 D2 (Engineering, Chemical)

521.- IMMUNE MODULATION BY THE HEPATITIS C VIRUS CORE PROTEIN
C. Fernández-Ponce, M. Domínguez-Villar, J.P. Muñoz-Miranda, M.M. Arbulo-Echevarria, R. Litrán, E. Aguado, F. García-Cozar
Journal of Viral Hepatitis, 24 (5), 350-356 (2017)
DOI: http://doi.org/10.1111/jvh.12675
Factor de Impacto: JCR(4,237), SJR(1,683)
Posición en categoría JCR: 19/88 Q1 T1 D3 (Infectious Diseases)

522.- CHEMICAL COMPOSITION AND MICROSTRUCTURE OF ZIRCONIUM OXYNITRIDE THIN LAYERS FROM THE SURFACE TO THE SUBSTRATE-COATING INTERFACE
G.I. Cubillos, M.E. Mendoza, J.E. Alfonso, G. Blanco, M. Bethencourt
Materials Characterization, 131, 450-458 (2017)
DOI: http://doi.org/10.1016/j.matchar.2017.07.035
Factor de Impacto: JCR(2,892), SJR(1,291)
Posición en categoría JCR: 3/33 Q1 T1 D1 (Materials Science, Characterization & Testing)

523.- THE IMPACT OF Pd ON THE LIGHT HARVESTING IN HYBRID ORGANIC-INORGANIC PEROVSKITE FOR SOLAR CELLS
J. Navas, A. Sánchez-Coronilla, J.J. Gallardo, J.C. Piñero, D. De los Santos, E.I. Martín, N.C. Hernández, R. Alcántara, C. Fernández-Lorenzo, J. Martín-Calleja
Nano Energy, 34, 141-154 (2017)
DOI: http://doi.org/10.1016/j.nanoen.2017.02.035
Factor de Impacto: JCR(13,12), SJR(5,185)
Posición en categoría JCR: 7/146 Q1 T1 D1 (Physics, Applied)

524.- TRANSCRIPTION OF NANOFIBROUS CERIUM PHOSPHATE USING A PH-SENSITIVE LIPODIPEPTIDE HYDROGEL TEMPLATE
M. Llusar, B. Escuder, J.D. López-Castro, S. Trasobares
Gels, 3 (2), 23[1]-23[27] (2017)
DOI: http://doi.org/10.3390/gels3020023
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

525.- SYNTHETIC MIMETICS OF THE ENDOGENOUS GASTROINTESTINAL NANOMINERAL: SILENT CONSTRUCTS THAT TRAP MACROMOLECULES FOR

INTRACELLULAR DELIVERY
L.C. Pele, C.T. Haas, R.E. Hewitt, J. Robertson, J. Skepper, A. Brown, J.C. Hernández-Garrido, P.A. Midgley, N. Faria, H. Chappell, J.J. Powell
Nanomedicine: Nanotechnology, Biology, and Medicine, 13 (2), 619-630 (2017)
DOI: http://doi.org/10.1016/j.nano.2016.07.008
Factor de Impacto: JCR(6,5), SJR(1,743)
Posición en categoría JCR: 11/133 Q1 T1 D1 (Medicine, Research & Experimental)

526.- Sb AND N INCORPORATION INTERPLAY IN GaAsSbN/GaAs EPILAYERS NEAR LATTICE-MATCHING CONDITION FOR 1.0–1.16-eV PHOTONIC APPLICATIONS
V. Braza, D.F. Reyes, A. Gonzalo, A.D. Utrilla, T. Ben, J.M. Ulloa, D. González
Nanoscale Research Letters, 12, 356[1]-356[10] (2017)
DOI: http://doi.org/10.1186/s11671-017-2129-2
Factor de Impacto: JCR(3,125), SJR(0,713)
Posición en categoría JCR: 33/146 Q1 T1 D3 (Physics, Applied)

527.- FABRICATION AND OPTICAL PROPERTIES OF NANOSTRUCTURED PLASMONIC Al2O3/Au-Al2O3/Al2O3 METAMATERIALS
H. Bakkali, E. Blanco, M. Domínguez, J.S. Garitaonandia
Nanotechnology, 28 (33), 335704 (2017)
DOI: http://doi.org/10.1088/1361-6528/aa7b6c
Factor de Impacto: JCR(3,404), SJR(1,079)
Posición en categoría JCR: 30/146 Q1 T1 D3 (Physics, Applied)

528.- QUANTITATIVE ANALYSIS OF THE INTERPLAY BETWEEN InAs QUANTUM DOTS AND WETTING LAYER DURING THE GaAs CAPPING PROCESS
D. González, V. Braza, A.D. Utrilla, A. Gonzalo, D.F. Reyes, T. Ben, A. Guzman, A. Hierro, J.M. Ulloa Nanotechnology, 28 (42), 425702 (2017)
DOI: http://doi.org/10.1088/1361-6528/aa83e2
Factor de Impacto: JCR(3,404), SJR(1,079)
Posición en categoría JCR: 30/146 Q1 T1 D3 (Physics, Applied)

529.- MPCVD DIAMOND LATERAL GROWTH THROUGH MICROTERRACES TO REDUCE THREADING DISLOCATIONS DENSITY
F. Lloret, M. Gutierrez, D. Araújo, D. Eon, E. Bustarret
Physica Status Solidi (A) Applications and Materials Science, 214 (11), 1700242[1]-1700242[5] (2017)
DOI: http://doi.org/10.1002/pssa.201700242
Factor de Impacto: JCR(1,795), SJR(0,648)
Posición en categoría JCR: 71/146 Q2 T2 D5 (Physics, Applied)

530.- IMPACT OF THERMAL TREATMENTS IN CRYSTALLINE RECONSTRUCTION AND ELECTRICAL PROPERTIES OF DIAMOND OHMIC CONTACTS CREATED BY BORON ION IMPLANTATION
J.C. Piñero, M.P. Villar, D. Araújo, J. Montserrat, B. Antúnez, P. Godignon
Physica Status Solidi (A) Applications and Materials Science, 214 (11), 1700230[1]-1700230[7] (2017) DOI: http://doi.org/10.1002/pssa.201700230

Factor de Impacto: JCR(1,795), SJR(0,648)
Posición en categoría JCR: 71/146 Q2 T2 D5 (Physics, Applied)

531.- HOMOAGGLOMERATION AND HETEROAGGLOMERATION OF TiO2, IN NANOPARTICLE AND BULK FORM, ONTO FRESHWATER AND MARINE MICROALGAE
M. Sendra, M.P. Yeste, J.M. Gatica, I. Moreno-Garrido, J. Blasco
Science of the Total Environment, 592, 403-411 (2017)
DOI: http://doi.org/10.1016/j.scitotenv.2017.03.127
Factor de Impacto: JCR(4,61), SJR(1,546)
Posición en categoría JCR: 27/241 Q1 T1 D2 (Environmental Sciences)

532.- CeO2NPs, TOXIC OR PROTECTIVE TO PHYTOPLANKTON? CHARGE OF NANOPARTICLES AND CELL WALL AS FACTORS WHICH CAUSE CHANGES IN CELL COMPLEXITY
M. Sendra, P.M. Yeste, I. Moreno-Garrido, J.M. Gatica, J. Blasco
Science of the Total Environment, 590-591, 304-315 (2017)
DOI: http://doi.org/10.1016/j.scitotenv.2017.03.007
Factor de Impacto: JCR(4,61), SJR(1,546)
Posición en categoría JCR: 27/241 Q1 T1 D2 (Environmental Sciences)

533.- SUB-NANOMETER SURFACE CHEMISTRY AND ORBITAL HYBRIDIZATION IN LANTHANUM-DOPED CERIA NANO-CATALYSTS REVEALED BY 3D ELECTRON MICROSCOPY
S.M. Collins, S. Fernández-Garcia, J.J. Calvino, P.A. Midgley
Scientific Reports, 7 (1), 5406[1]-5406[9] (2017)
DOI: http://doi.org/10.1038/s41598-017-05671-9
Factor de Impacto: JCR(4,122), SJR(1,533)
Posición en categoría JCR: 12/64 Q1 T1 D2 (Multidisciplinary Sciences)

534.- STRAIN-BALANCED TYPE-II SUPERLATTICES FOR EFFICIENT MULTI-JUNCTION SOLAR CELLS
A. Gonzalo, A.D. Utrilla, D.F. Reyes, V. Braza, J.M. Llorens, D. Fuertes Marrón, B. Alén, T. Ben, D. González, A. Guzman, A. Hierro, J.M. Ulloa
Scientific Reports, 7 (1), 4012[1]-4012[10] (2017)
DOI: http://doi.org/10.1038/s41598-017-04321-4
Factor de Impacto: JCR(4,122), SJR(1,533)
Posición en categoría JCR: 12/64 Q1 T1 D2 (Multidisciplinary Sciences)

535.- THIN GaAsSb CAPPING LAYERS FOR IMPROVED PERFORMANCE OF InAs/GaAs QUANTUM DOT SOLAR CELLS
A.D. Utrilla, D.F. Reyes, J.M. Llorens, I. Artacho, T. Ben, D. González, Ž. Gačević, A. Kurtz, A. Guzman, A. Hierro, J.M. Ulloa
Solar Energy Materials and Solar Cells, 159, 282-289 (2017)
DOI: http://doi.org/10.1016/j.solmat.2016.09.006
Factor de Impacto: JCR(5,018), SJR(1,459)
Posición en categoría JCR: 22/146 Q1 T1 D2 (Physics, Applied)

536.- CÁLCULO DEL VOLUMEN DE UNIONES SOLDADAS DE TUBOS PARA CONSTRUCCIÓN OFFSHORE EN EÓLICA MARINA
J.M. Gonzalez, A. Bermejo
Soldadura y tecnologías de unión , 150 (28), 18-23 (2017)
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.

537.- SOLID SAMPLING GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRY FOR THE DIRECT ANALYSIS OF MICROEXTRACTION SOLVENT BARS USED FOR METAL ULTRA-TRACE PRE-CONCENTRATION
R.J. González-Álvarez, J.J. Pinto, D. Bellido-Milla, C. Moreno
Spectrochimica Acta, Part B: Atomic Spectroscopy, 135 (Sep 2017), 1-5 (2017)
DOI: http://doi.org/10.1016/j.sab.2017.06.013
Factor de Impacto: JCR(2,854), SJR(0,96)
Posición en categoría JCR: 10/42 Q1 T1 D3 (Spectroscopy)

538.- SURFACTANT-SYNTHESIZED CONSOLIDANTS APPLIED TO A GRANITIC MEDIEVAL NECROPOLIS IN NW SPAIN. LABORATORY AND IN SITU EFFECTIVENESS EVALUATION
I. de Rosario, T. Rivas, G. Buceta, J. Feijoo, M.J. Mosquera
International Journal of Architectural Heritage, 11 (8), 1166-1176 (2017)
DOI: http://doi.org/10.1080/15583058.2017.1354097
Factor de Impacto: JCR(1,345), SJR(0,744)
Posición en categoría JCR: 31/62 Q2 T2 D5 (Construction & Building Technology)

539.- ASSESSMENT OF ENGINEERED SURFACES ROUGHNESS BY HIGH-RESOLUTION 3D SEM PHOTOGRAMMETRY
L.C. Gontard, J.D. López-Castro, L. González-Rovira, J.M. Vázquez-Martínez, F.M. Varela-Feria, M. Marcos, J.J. Calvino
Ultramicroscopy, 177, 106-114 (2017)
DOI: http://doi.org/10.1016/j.ultramic.2017.03.007
Factor de Impacto: JCR(2,929), SJR(1,824)
Posición en categoría JCR: 1/10 Q1 T1 D1 (Microscopy)

540.- EVALUATION OF HIGH-QUALITY IMAGE RECONSTRUCTION TECHNIQUES APPLIED TO HIGH- RESOLUTION Z-CONTRAST IMAGING
G. Bárcena-González, M.P. Guerrero-Lebrero, E. Guerrero, A. Yañez, D. Fernández-Reyes, D. González, P.L. Galindo
Ultramicroscopy, 182, 283-291 (2017)
DOI: http://doi.org/10.1016/j.ultramic.2017.07.014
Factor de Impacto: JCR(2,929), SJR(1,824)
Posición en categoría JCR: 1/10 Q1 T1 D1 (Microscopy)

541.- PRODUCING LASTING AMPHIPHOBIC BUILDING SURFACES WITH SELF-CLEANING PROPERTIES
D.S. Facio, L.A.M. Carrascosa, M.J. Mosquera
Nanotechnology, 28 (26) (2017)
DOI: http://doi.org/10.1088/1361-6528/aa73a3

Factor de Impacto: JCR(3,404), SJR(1,079)
Posición en categoría JCR: 30/146 Q1 T1 D3 (Physics, Applied)

542.- CuO/SiO2 NANOCOMPOSITES: A MULTIFUNCTIONAL COATING FOR APPLICATION ON BUILDING STONE
R. Zarzuela, M. Carbú, M.L.A. Gil, J.M. Cantoral, M.J. Mosquera
Materials and Design, 114, 364-372 (2017)
DOI: http://doi.org/10.1016/j.matdes.2016.11.009
Factor de Impacto: JCR(4,525), SJR(1,82)
Posición en categoría JCR: 53/285 Q1 T1 D2 (Materials Science, Multidisciplinary)

543.- FACILE PREPARATION OF MESOPOROUS SILICA MONOLITHS BY AN INVERSE MICELLE MECHANISM D.S. Facio, M. Luna, M.J. Mosquera
Microporous and Mesoporous Materials, 247, 166-176 (2017)
DOI: http://doi.org/10.1016/j.micromeso.2017.03.041
Factor de Impacto: JCR(3,649), SJR(1,08)
Posición en categoría JCR: 12/71 Q1 T1 D2 (Chemistry, Applied)

544.- LIQUID-ASSISTED PULSED LASER ABLATION: A NOVEL ROUTE TO PRODUCE MULTIFUNCTIONAL CONTRAST AGENTS FOR MULTIMODAL IMAGING DIAGNOSIS
O. Bomati-Miguel, R. Lahoz, V. Lennikov, A. Naghilou, A. Subotic, M.Á. Rodrí guez, C. Rentenberger, W. Kautek
Optics InfoBase Conference Papers, Part F82-CLEO_Europe 2017 (2017)
Factor de Impacto: No indexada
Posición en categoría JCR: No indexada.