

Ricardo Faccio

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177
papers

2,294
citations

23
h-index

38
g-index

184
ext. papers

2,681
ext. citations

4
avg, IF

5.42
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 177 | Is it possible to dope single-walled carbon nanotubes and graphene with sulfur?. <i>ChemPhysChem</i> , 2009 , 10, 715-22 | 3.2 | 199 |
| 176 | Mechanical properties of graphene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 285304 | 1.8 | 145 |
| 175 | Electronic and Structural Distortions in Graphene Induced by Carbon Vacancies and Boron Doping. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18961-18971 | 3.8 | 135 |
| 174 | Multilevel ferromagnetic behavior of room-temperature bulk magnetic graphite. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 78 |
| 173 | Magnetism induced by single carbon vacancies in a three-dimensional graphitic network. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 61 |
| 172 | Optimization and characterization of nisin-loaded alginate-chitosan nanoparticles with antimicrobial activity in lean beef. <i>LWT - Food Science and Technology</i> , 2018 , 91, 107-116 | 5.4 | 60 |
| 171 | Oxidation of monovacancies in graphene by oxygen molecules. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18284 | | 48 |
| 170 | Unraveling the Native Conduction of Trichalcogenides and Its Ideal Band Alignment for New Photovoltaic Interfaces. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1390-1399 | 3.8 | 42 |
| 169 | Synthesis and characterization of stable room temperature bulk ferromagnetic graphite. <i>Carbon</i> , 2006 , 44, 565-569 | 10.4 | 36 |
| 168 | Modelling magnetism of C at O and B monovacancies in graphene. <i>Carbon</i> , 2013 , 64, 281-287 | 10.4 | 35 |
| 167 | Hydrogen production by crude glycerol steam reforming over Ni _{0.5} Al _{0.5} mixed oxide catalysts. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 30525-30534 | 6.7 | 32 |
| 166 | Enhancement of lithium conductivity and evidence of lithium dissociation for LLTO-PMMA nanocomposite electrolyte. <i>Materials Letters</i> , 2016 , 172, 1-5 | 3.3 | 30 |
| 165 | Ethanol steam reforming over NiLaZr and NiCuLaZr mixed metal oxide catalysts. <i>Catalysis Today</i> , 2013 , 213, 42-49 | 5.3 | 30 |
| 164 | Theoretical characterization of thioepoxidated single wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2008 , 460, 486-491 | 2.5 | 30 |
| 163 | Magnetism in multivacancy graphene systems. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 375304 | 1.8 | 29 |
| 162 | Bisphosphonate metal complexes as selective inhibitors of Trypanosoma cruzi farnesyl diphosphate synthase. <i>Dalton Transactions</i> , 2012 , 41, 6468-76 | 4.3 | 28 |
| 161 | Identification of microplastics in wastewater samples by means of polarized light optical microscopy. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7409-7419 | 5.1 | 28 |

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| 160 | Comparison of standard DFT and Hubbard-DFT methods in structural and electronic properties of TiO ₂ polymorphs and H-titanate ultrathin sheets for DSSC application. <i>Applied Surface Science</i> , 2018 , 428, 118-123 | 6.7 | 27 |
| 159 | Hydrogenated double wall carbon nanotubes. <i>Journal of Chemical Physics</i> , 2009 , 130, 194704 | 3.9 | 26 |
| 158 | Electrodeposition and ab Initio Studies of Metastable Orthorhombic Bi ₂ Se ₃ : A Novel Semiconductor with Bandgap for Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11797-11806 | 3.8 | 25 |
| 157 | A DFT +U study on structural, electronic, vibrational and thermodynamic properties of TiO ₂ polymorphs and hydrogen titanate: tuning the Hubbard U-term. <i>Journal of Physics Communications</i> , 2017 , 1, 055006 | 1.2 | 25 |
| 156 | Ultrathin (0 0 1) and (1 0 0) TiO ₂ (B) sheets: Surface reactivity and structural properties. <i>Applied Surface Science</i> , 2014 , 290, 180-187 | 6.7 | 24 |
| 155 | Current trends in materials for dye sensitized solar cells. <i>Recent Patents on Nanotechnology</i> , 2011 , 5, 46-61 | 1.2 | 24 |
| 154 | Biofilm Eradication Using Biogenic Silver Nanoparticles. <i>Molecules</i> , 2020 , 25, | 4.8 | 23 |
| 153 | Physical properties of nanofluid suspension of ferromagnetic graphite with high Zeta potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 544-546 | 2.3 | 22 |
| 152 | Hydrogen-rich gas production by steam and oxidative steam reforming of crude glycerol over Ni-La-Me mixed oxide catalysts (Me= Ce and/or Zr). <i>Catalysis Today</i> , 2020 , 344, 190-198 | 5.3 | 22 |
| 151 | Synthesis, characterization, microbiological evaluation, genotoxicity and synergism tests of new nano silver complexes with sulfamoxole: X-ray diffraction of [Ag ₂ (SMX) ₂].DMSO. <i>Journal of Inorganic Biochemistry</i> , 2014 , 141, 58-69 | 4.2 | 21 |
| 150 | The preparation and properties of Ni-La-Zr catalysts for the steam reforming of ethanol. <i>Catalysis Communications</i> , 2008 , 10, 33-38 | 3.2 | 20 |
| 149 | Biogenic approaches using citrus extracts for the synthesis of metal nanoparticles: the role of flavonoids in gold reduction and stabilization. <i>New Journal of Chemistry</i> , 2016 , 40, 1420-1429 | 3.6 | 19 |
| 148 | Raw montmorillonite modified with iron for photo-Fenton processes: influence of iron content on textural, structural and catalytic properties. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4742-4750 | 6.8 | 19 |
| 147 | Tuning Electrical Transport Mechanism of Polyaniline/Graphene Oxide Quantum Dots Nanocomposites for Potential Electronic Device Applications. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25117-25123 | 3.8 | 18 |
| 146 | Synthesis and Spectroscopic Characterization of New Lead(II) Thiosaccharinates. Molecular Structure of Bis(thiosaccharinato)tetrakis(pyridine)dilead(II) and Thiosaccharinato-bis(1,10-phenantroline)lead(II) Thiosaccharinate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1066-1073 | 1.3 | 18 |
| 145 | A van der Waals DFT study of PtH ₂ systems absorbed on pristine and defective graphene. <i>Applied Surface Science</i> , 2016 , 382, 80-87 | 6.7 | 18 |
| 144 | Prospective application of phthalocyanines in the photodynamic therapy against microorganisms and tumor cells: A mini-review. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 32, 102032 | 3.5 | 17 |
| 143 | Structural and catalytic stability assessment of Ni-La-Sn ternary mixed oxides for hydrogen production by steam reforming of ethanol.. <i>Catalysis Today</i> , 2017 , 296, 154-162 | 5.3 | 16 |

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| 142 | DFT study of methanol adsorption on PtCo(111). <i>Applied Surface Science</i> , 2017 , 420, 383-389 | 6.7 | 16 |
| 141 | Enhancement of Lithium-Ion Transport in Poly(acrylonitrile) with Hydrogen Titanate Nanotube Fillers as Solid Polymer Electrolytes for Lithium-Ion Battery Applications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1492-1499 | 3.8 | 16 |
| 140 | Theoretical study of new potential semiconductor surfaces performance for dye sensitized solar cell usage: TiO ₂ -B (001), (100) and H ₂ Ti ₃ O ₇ (100). <i>Applied Surface Science</i> , 2017 , 426, 1182-1189 | 6.7 | 16 |
| 139 | Electronic Structure of Edge-Modified Graphene Quantum Dots Interacting with Polyaniline: Vibrational and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16576-16583 | 3.8 | 16 |
| 138 | In situ growth of ceramic quantum dots in polyaniline host via water vapor flow diffusion as potential electrode materials for energy applications. <i>Journal of Solid State Chemistry</i> , 2017 , 250, 60-67 | 3.3 | 15 |
| 137 | Utilization of waste crude glycerol for hydrogen production via steam reforming over Ni ₃ AlZr catalysts. <i>Biomass and Bioenergy</i> , 2020 , 135, 105508 | 5.3 | 15 |
| 136 | Experimental and theoretical Raman study on the structure and microstructure of Li _{0.30} La _{0.57} TiO ₃ electrolyte prepared by the sol-gel method in acetic medium. <i>Ceramics International</i> , 2016 , 42, 15414-15422 | 5.1 | 15 |
| 135 | Coupling of Cobalt ^{II} Tetraphenylporphyrin Molecules to a Copper Nitride Layer. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15984-15990 | 3.8 | 15 |
| 134 | How is the stacking interaction of bilayer graphene affected by the presence of defects?. <i>Computational and Theoretical Chemistry</i> , 2012 , 995, 1-7 | 2 | 15 |
| 133 | Nanocrystals of Novel Valerolactam-Fenbendazole Hybrid with Improved in vitro Dissolution Performance. <i>AAPS PharmSciTech</i> , 2020 , 21, 237 | 3.9 | 15 |
| 132 | Characterization of titanate nanotubes for energy applications. <i>Journal of Energy Storage</i> , 2017 , 12, 66-77 | 7.8 | 14 |
| 131 | Characterization of the effects involved in ultrasound-assisted extraction of trace elements from artichoke leaves and soybean seeds. <i>Ultrasonics Sonochemistry</i> , 2019 , 59, 104752 | 8.9 | 14 |
| 130 | The effect of manganite nanoparticle addition on the low field magnetoresistance of polyaniline. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12040-12047 | 7.1 | 14 |
| 129 | Effect of Cu doping on Ba _{0.5} Sr _{0.5} Fe _{1-x} Cu _x O ₃ perovskites for solid oxide fuel cells: A first-principles study. <i>Journal of Power Sources</i> , 2016 , 311, 13-20 | 8.9 | 14 |
| 128 | Effect of power ultrasound on quality of fresh-cut lettuce (cv. Vera) packaged in passive modified atmosphere. <i>Food and Bioprocess Technology</i> , 2019 , 117, 138-148 | 4.9 | 14 |
| 127 | Enhanced defect-mediated ferromagnetism in Cu ₂ O by Co doping. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 441, 374-386 | 2.8 | 13 |
| 126 | Electrochemical and metallurgical characterization of ZrCr _{1-x} NiMox AB ₂ metal hydride alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 267-274 | 5.7 | 13 |
| 125 | Correlation between structure, crystallization and thermally stimulated luminescence response of some borate glass and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2015 , 427, 191-198 | 3.9 | 13 |

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| 124 | Defects controlling electrical and optical properties of electrodeposited Bi doped Cu ₂ O. <i>Journal of Applied Physics</i> , 2018 , 123, 161412 | 2.5 | 13 |
| 123 | Experimental and theoretical study on the structural, electrical and optical properties of tantalum-doped ZnO nanoparticles prepared via sol-gel acetate route. <i>Ceramics International</i> , 2018 , 44, 703-711 | 5.1 | 13 |
| 122 | Possible doping of single-layer MoS ₂ with Pt: A DFT study. <i>Applied Surface Science</i> , 2018 , 462, 409-416 | 6.7 | 13 |
| 121 | Novel synergistic in situ synthesis of lithium-ion poly(ethylene citrate)-TiO ₂ nanocomposites as promising fluorine-free solid polymer electrolytes for lithium batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 135, 109082 | 3.9 | 13 |
| 120 | Experimental and Theoretical Study of Ionic Pair Dissociation in a Lithium Ion-Linear Polyethylenimine-Polyacrylonitrile Blend for Solid Polymer Electrolytes. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6759-6765 | 3.4 | 13 |
| 119 | Detection of oxytetracycline in honey using SERS on silver nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115673 | 14.6 | 12 |
| 118 | Electronic and optical properties of sulfur and nitrogen doped graphene quantum dots: A theoretical study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 113, 130-136 | 3 | 12 |
| 117 | Curvature and vacancies in graphene quantum dots. <i>Applied Surface Science</i> , 2018 , 462, 540-548 | 6.7 | 12 |
| 116 | Raman and Impedance Spectroscopy under Applied Dc Bias Insights on the Electrical Transport for Donor:Acceptor Nanocomposites Based on Poly(vinyl carbazole) and TiO ₂ Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23383-23391 | 3.8 | 11 |
| 115 | The Impact of Solid Dispersion on Formulation, Using Confocal Micro Raman Spectroscopy as Tool to Probe Distribution of Components. <i>Journal of Pharmaceutical Innovation</i> , 2018 , 13, 58-68 | 1.8 | 11 |
| 114 | Comparative study of nanoporous Ln ^{III} coordination polymers containing iminodiacetate as bridging ligand. <i>Journal of Molecular Structure</i> , 2011 , 1004, 215-221 | 3.4 | 11 |
| 113 | New response in electrochemical impedance spectroscopy due to the presence of molybdenum on AB ₅ -type alloys. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6639-6646 | 6.7 | 10 |
| 112 | n and p type character of single molecule diodes. <i>Scientific Reports</i> , 2015 , 5, 8350 | 4.9 | 10 |
| 111 | Influence of the structural configuration on the stability and magnetism in multivacancy graphene systems. <i>Computational Materials Science</i> , 2015 , 97, 193-200 | 3.2 | 10 |
| 110 | Synthesis, crystal structure and magnetic properties of the Re(II) complexes NBu ₄ [Re(NO)Br ₄ (L)] (L = pyridine and diazine type ligands). <i>Dalton Transactions</i> , 2013 , 42, 15361-71 | 4.3 | 10 |
| 109 | Chemoenzymatic synthesis of chiral enones from aromatic compounds. <i>Tetrahedron: Asymmetry</i> , 2002 , 13, 2453-2459 | | 10 |
| 108 | Novel fluorine-free 2,2'-bis(4,5-dimethylimidazole) additive for lithium-ion poly(methyl methacrylate) solid polymer electrolytes. <i>RSC Advances</i> , 2016 , 6, 67150-67156 | 3.7 | 10 |
| 107 | The role of interstitial native defects in the topological insulator Bi ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 425801 | 1.8 | 10 |

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| 106 | Surface enhancement Raman spectroscopy and density functional theory study of silver nanoparticles synthesized with d-glucose. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 1756-1764 | 2.3 | 10 |
| 105 | Hydrogen titanate nanotubes for dye sensitized solar cells applications: Experimental and theoretical study. <i>Materials Research Bulletin</i> , 2018 , 106, 40-48 | 5.1 | 10 |
| 104 | Effect of graphene-oxide on the microstructure and charge carrier transport of polyaniline nanocomposites under low applied electric fields. <i>Journal of Applied Physics</i> , 2017 , 121, 045109 | 2.5 | 9 |
| 103 | Effect of lanthanide on the microstructure and structure of LnMn _{0.5} Fe _{0.5} O ₃ nanoparticles with Ln=La, Pr, Nd, Sm and Gd prepared by the polymer precursor method. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 325-333 | 3.3 | 9 |
| 102 | Molybdenum effect on the kinetic behavior of a metal hydride electrode. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12811-12816 | 6.7 | 9 |
| 101 | Synthesis of 9-Substituted-1,8-Dioxooctahydroxanthenes by an Efficient Iodine-Catalyzed Cyclization. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 3052-3057 | 3.2 | 9 |
| 100 | Raman Microscopy Insights on the Out-of-Plane Electrical Transport of Carbon Nanotube-Doped PEDOT:PSS Electrodes for Solar Cell Applications. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 2694-2701 | 3.4 | 8 |
| 99 | Polyaniline intercalated with MoS ₂ nanosheets: structural, electric and thermoelectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 17445-17453 | 2.1 | 8 |
| 98 | Interphase and magnetotransport of LSMO-PMMA nanocomposites obtained by a sonochemical method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 382, 342-348 | 2.8 | 8 |
| 97 | Synthesis, characterization and simulation of lithium titanate nanotubes for dye sensitized solar cells. <i>Ceramics International</i> , 2019 , 45, 708-717 | 5.1 | 8 |
| 96 | Ab-initio approach to the stability and the structural, electronic and magnetic properties of the (001) ZnFe ₂ O ₄ surface terminations. <i>Applied Surface Science</i> , 2020 , 499, 143859 | 6.7 | 8 |
| 95 | The structural and organic magnetoresistance response of poly(9-vinyl carbazole) using low applied magnetic fields and magnetic nanoparticle addition. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3779-3787 | 7.1 | 7 |
| 94 | Theoretical study of Li intercalation in TiO ₂ (B) surfaces. <i>Applied Surface Science</i> , 2020 , 526, 146460 | 6.7 | 7 |
| 93 | Electrodeposited Cu ₂ O doped with Cl: Electrical and optical properties. <i>Journal of Applied Physics</i> , 2018 , 123, 161567 | 2.5 | 7 |
| 92 | Microstructure evolution, thermal stability and fractal behavior of water vapor flow assisted in situ growth poly(vinylcarbazole)-titania quantum dots nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 111, 199-206 | 3.9 | 7 |
| 91 | From positive to negative magnetoresistance behavior at low applied magnetic fields for polyaniline:titania quantum dot nanocomposites. <i>Journal of Applied Physics</i> , 2017 , 121, 245106 | 2.5 | 7 |
| 90 | Influence of iron impurities on defected graphene. <i>Chemical Physics</i> , 2015 , 449, 14-22 | 2.3 | 7 |
| 89 | Raman characterization of bulk ferromagnetic nanostructured graphite. <i>Physica B: Condensed Matter</i> , 2012 , 407, 3206-3209 | 2.8 | 7 |

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| 88 | Physical properties of single-crystalline fibers of the colossal-magnetoresistance manganite $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Applied Physics Letters</i> , 2003 , 83, 3135-3137 | 3-4 | 7 |
| 87 | Doped $\text{TiO}_2(\text{B})$: A density functional theory characterization. <i>Applied Surface Science</i> , 2021 , 551, 149476-7 | 6-7 | 7 |
| 86 | Development and Characterization of Vitamin A-Loaded Solid Lipid Nanoparticles for Topical Application. <i>Journal of the Brazilian Chemical Society</i> , 2016 , | 1-5 | 7 |
| 85 | Lithium titanate nanotubes as active fillers for lithium-ion polyacrylonitrile solid polymer electrolytes. <i>Ionics</i> , 2019 , 25, 2607-2614 | 2-7 | 7 |
| 84 | Synthesis and characterization of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-x}$ oxide as cathode for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 208-213 | 3-3 | 6 |
| 83 | Molybdenum incorporation on AB_2 alloys-part I metallurgical and electrochemical characterization: Electrocatalytic behavior. <i>Journal of Alloys and Compounds</i> , 2018 , 744, 583-590 | 5-7 | 6 |
| 82 | Synthesis, crystal structures, electrochemical and magnetic properties of polynuclear $\{\text{Fe}_4\}$ and $\{\text{Fe}_8\text{Na}_4\}$ carboxylate/picolinate clusters. <i>Inorganica Chimica Acta</i> , 2011 , 370, 427-434 | 2-7 | 6 |
| 81 | The Electrochemical Development of Pt(111) Stepped Surfaces and Its Influence on Methanol Electrooxidation. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-9 | 2-4 | 6 |
| 80 | Extremely Large Magnetic-Field-Effects on the Impedance Response of TiO Quantum Dots. <i>Scientific Reports</i> , 2019 , 9, 5322 | 4-9 | 5 |
| 79 | Unraveling the Lithium Bis(trifluoromethanesulfonyl)imide (LiTFSI) Doping Mechanism of Regioregular Poly(3-hexylthiophene): Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7061-7070 | 3-8 | 5 |
| 78 | Possible causes for rippling in a multivacancy graphene system. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25529 | 2-1 | 5 |
| 77 | Microstructure, interparticle interactions and magnetotransport of manganite-polyaniline nanocomposites. <i>Materials Chemistry and Physics</i> , 2016 , 171, 178-184 | 4-4 | 5 |
| 76 | Antimicrobial evaluation of new metallic complexes with xylitol active against <i>P. aeruginosa</i> and <i>C. albicans</i> : MIC determination, post-agent effect and Zn-uptake. <i>Journal of Inorganic Biochemistry</i> , 2016 , 155, 67-75 | 4-2 | 5 |
| 75 | Sulfur doping in multivacancy graphene systems. <i>Applied Surface Science</i> , 2018 , 459, 336-344 | 6-7 | 5 |
| 74 | Microstructural and magnetotransport studies of novel manganite/leucic acid nanocomposites prepared at low temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 490-495 | 2-8 | 5 |
| 73 | Electronic structure of BaAl_2O_3 slabs: A local environment study. <i>Physica B: Condensed Matter</i> , 2012 , 407, 3093-3095 | 2-8 | 5 |
| 72 | The structure of cubic MOF $[\{\text{Ca}(\text{H}_2\text{O})_6\}\{\text{CaGd}(\text{oxydiacetate})_3\}_2]\cdot 4\text{H}_2\text{O}$. A comparison between structural models obtained from Rietveld refinement of conventional and synchrotron X-ray powder diffraction data and standard refinement of single-crystal X-ray diffraction data. <i>Powder Diffraction</i> , 2012 , 27, 232-242 | 1-8 | 5 |
| 71 | Biogenic silver nanoparticles: understanding the antimicrobial mechanism using Confocal Raman Microscopy. <i>Materials Research Express</i> , 2019 , 6, 1250f5 | 1-7 | 5 |

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| 70 | Catalytic assessment of a Ni-La-Sn ternary metallic system in ethanol steam reforming and the influence of the Sn/La atomic ratio in the catalytic performance. <i>Catalysis Today</i> , 2020 , 356, 408-418 | 5.3 | 5 |
| 69 | Thermodynamic Analysis of AB ₂ Hydrides: ZrCr _{1-x} Ti _x NiMo _{0.3} Alloys. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3389-A3396 | 3.9 | 5 |
| 68 | Mechanical Properties Calculation of II-VI Semiconductors: Cd _{1-y} Zn _y Te(0 ≤ y ≤ 1) 2015 , 8, 656-664 | | 4 |
| 67 | Preparation of In-doped Y ₂ O ₃ ceramics through a sol-gel process: Effects on the structural and electronic properties. <i>Ceramics International</i> , 2020 , 46, 16088-16095 | 5.1 | 4 |
| 66 | Structural analysis of oxyfluoride borate glass and BaF ₂ crystallization from phase separation. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3126-3137 | 3.8 | 4 |
| 65 | TiO ₂ (B) and Anatase Angstrom-Scale Wires: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3363-3370 | 3.8 | 4 |
| 64 | Molybdenum incorporation on AB ₂ alloys-Part II. On the synergetic effects of Laves and non-Laves phases. <i>Journal of Alloys and Compounds</i> , 2018 , 737, 530-535 | 5.7 | 4 |
| 63 | Synthesis, crystal structure and magnetic properties of a novel tetranuclear oxo-bridged iron(III) butterfly. <i>Journal of Molecular Structure</i> , 2014 , 1058, 149-154 | 3.4 | 4 |
| 62 | Stability Issues and Structure-Sensitive Magnetic Properties of Nanofluid Ferromagnetic Graphite. <i>Journal of Nanofluids</i> , 2012 , 1, 143-147 | 2.2 | 4 |
| 61 | A step forward towards the structural characterization of Na ₂ Ti ₂ O ₅ ·H ₂ O nanotubes and their correlation with optical and electric transport properties. <i>Ceramics International</i> , 2020 , 46, 2877-2886 | 5.1 | 4 |
| 60 | Short- and long-range structure correlations with ionic transport near the glass transition for lithium-ion polyacrylonitrile-based electrolytes using DMSO plasticizer. <i>Journal of Non-Crystalline Solids</i> , 2021 , 561, 120744 | 3.9 | 4 |
| 59 | Insights of cobalt doping on carbon-coated LiFePO ₄ olivine nanoparticles prepared by citric acid combustion route as cathodes for lithium batteries. <i>Ionics</i> , 2019 , 25, 3593-3601 | 2.7 | 4 |
| 58 | Transition from positive to negative electrical resistance response under humidity conditions for PEDOT:PSS-MoS ₂ nanocomposite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 5959-5964 | 2.1 | 4 |
| 57 | Detection of SOF ₂ and SO ₂ F ₂ through aluminium nitride nanosheets: A DFT study. <i>Applied Surface Science</i> , 2021 , 538, 147899 | 6.7 | 4 |
| 56 | First row transition metal atoms embedded in multivacancies in a rippled graphene system. <i>Applied Surface Science</i> , 2018 , 435, 102-107 | 6.7 | 4 |
| 55 | First-principles study of Cd impurities localized at and near the (001) Al ₂ O ₃ surface. <i>Computational Materials Science</i> , 2015 , 107, 15-23 | 3.2 | 3 |
| 54 | Electrochemical response of carbon doped LiFePO ₄ olivine nanoparticles: Cobalt doping and temperature calcination effects. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114581 | 4.1 | 3 |
| 53 | Local structure and magnetic properties of Mn ³⁺ –Be ³⁺ superexchange interaction in an oxygen-vacant perovskite: Experimental and theoretical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 469, 224-230 | 2.8 | 3 |

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| 52 | Lanthanide coordination polymers based on flexible ligands derived from iminodiacetic acid. <i>Polyhedron</i> , 2019 , 170, 683-689 | 2.7 | 3 |
| 51 | The conformations of two copper(I) complexes of 1H-benzimidazole-2(3H)-thione and thiosaccharinate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, m12-6 | | 3 |
| 50 | Mechanical and Electronic Properties of Graphene Nanostructures 2011 , | | 3 |
| 49 | Structural and theoretical studies of (E,E)-benzaldehyde azine and its rhenium(IV) complex. <i>Journal of Molecular Structure</i> , 2010 , 963, 9-15 | 3.4 | 3 |
| 48 | Tetra-kis[μ -(3-phenoxy-phen-yl)propionato- μ :O']bis-[(dimethyl-formamide- μ)copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m1612-3 | | 3 |
| 47 | Control of cryopreservation procedures on blood vessels using fiber x-ray diffraction. <i>Transplantation Proceedings</i> , 2008 , 40, 668-74 | 1.1 | 3 |
| 46 | Mini-Review: Mixed Ionic-Electronic Charge Carrier Localization and Transport in Hybrid Organic-Inorganic Nanomaterials. <i>Frontiers in Chemistry</i> , 2020 , 8, 537 | 5 | 3 |
| 45 | Experimental and theoretical Raman study on the HTSC Pr _x Y _{1-x} Ba ₂ Cu ₃ O ₇ family for different Pr concentrations and synthesis methods. <i>Materials Chemistry and Physics</i> , 2020 , 256, 123737 | 4.4 | 3 |
| 44 | NiLaM (M = Ce and/or Zr) mixed oxide catalysts for synthesis gas production by biogas reforming processes. <i>Materials Letters</i> , 2021 , 293, 129724 | 3.3 | 3 |
| 43 | High performance Ni-catalysts supported on rare-earth zirconates (La and Y) for hydrogen production through ethanol steam reforming. Characterization and assay. <i>Catalysis Today</i> , 2021 , | 5.3 | 3 |
| 42 | A simple and economical ultrasound-assisted method for Cd and Pb extraction from fruits and vegetables for food safety assurance. <i>Results in Chemistry</i> , 2021 , 3, 100089 | 2.1 | 3 |
| 41 | Effects of Native Vacancies on Nb-Doped MgH ₂ Using Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27955-27962 | 3.8 | 3 |
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