

Ricardo Faccio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The non-direct band gap in borate glasses; a brief discussion on analysis methodologies and its interpretation. <i>Optical Materials</i> , 2022 , 123, 111890	3.3	0
176	Impact of the crystal size of beta zeolite on the structural quality of zeolite templated carbons. <i>Microporous and Mesoporous Materials</i> , 2022 , 331, 111644	5.3	0
175	Electronic structure properties of boron-doped and carbon-boron-doped TiO ₂ (B) for photocatalytic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 165, 110685	3.9	
174	Ab Initio Molecular Dynamics Assessment on the Mixed Ionic-Electronic Transport for Crystalline Poly(3-Hexylthiophene) Using Full Explicit Lithium-Based Dopants and Additives. <i>Macromolecules</i> , 2022 , 55, 113-124	5.5	2
173	Hybrid Organic-Inorganic Materials and Interfaces With Mixed Ionic-Electronic Transport Properties: Advances in Experimental and Theoretical Approaches.. <i>Frontiers in Chemistry</i> , 2022 , 10, 892013	5.13	1
172	Improving the in vitro dissolution rate and pharmacokinetic performance of fenbendazole in sheep using drug nanocrystals.. <i>Research in Veterinary Science</i> , 2021 , 142, 110-116	2.5	2
171	From Chain- to Graphene-like Hydroxyl-terminated (ZnO) Clusters with nB Obtained via Zinc Dimethoxide Hydrolysis and Condensation: Ab initio Structural, Electronic, Vibrational and Optical Properties Calculations. <i>ChemPhysChem</i> , 2021 , 22, 849-863	3.2	1
170	Electronic and vibrational properties of the high-temperature superconductor BiSrCaCuO: an study. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
169	Biogenic Silver Nanoparticles as a Strategy in the Fight Against Multi-Resistant Isolated From Dairy Calves. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 644014	5.8	2
168	Single-Molecule Vibrational Spectroscopy: Cobalt Tetraphenylporphyrin Deposited on a Cu ₂ N Ultrathin Insulating Layer. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9695-9702	3.8	
167	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
166	Optical, electrical and structural properties of Fe doped sodium titanate nanostructures. <i>Applied Surface Science</i> , 2021 , 552, 149534	6.7	0
165	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
164	C-doped TiO ₂ (B): A density functional theory characterization. <i>Applied Surface Science</i> , 2021 , 551, 149479	6.7	7
163	New Perspective on Thermally Stimulated Luminescence and Crystallization of Barium Borate Oxyfluoride Glasses. <i>Crystals</i> , 2021 , 11, 745	2.3	0
162	Bi ₂ S ₃ and MoS ₂ Soft Coatings: A Comparative Study of Their Frictional Behavior Under Different Humidity Levels, Normal Loads, and Sliding Speeds. <i>Tribology Letters</i> , 2021 , 69, 1	2.8	1
161	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

160	Depression of critical temperature due to residual strain induced by PLD deposition on YBa ₂ Cu ₃ O _{7-x} thin films. <i>Materials Chemistry and Physics</i> , 2021 , 266, 124507	4.4	1
159	Insights on the structural and electrical transport of sodium titanate nanotubes decorated with CuInS ₂ quantum dots heterostructures. <i>Applied Surface Science</i> , 2021 , 535, 147733	6.7	1
158	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
157	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
156	The effect of morphology on the optical and electrical properties of sodium titanate nanostructures. <i>Applied Surface Science</i> , 2021 , 555, 149610	6.7	3
155	Elastic stress induced metastable local ordering in Cu-Zr-Al metallic glasses: A numerical simulation study. <i>Materials Today Communications</i> , 2021 , 28, 102693	2.5	0
154	Synthesis and characterization of a bovine collagen: GAG scaffold with Uruguayan raw material for tissue engineering. <i>Cell and Tissue Banking</i> , 2021 , 1	2.2	
153	Thermodynamic functions and vibrational properties of Li intercalation in TiO ₂ (B). <i>Applied Surface Science</i> , 2021 , 566, 150679	6.7	0
152	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
151	Biofilm Eradication Using Biogenic Silver Nanoparticles. <i>Molecules</i> , 2020 , 25,	4.8	23
150	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
149	Theoretical study of Li intercalation in TiO ₂ (B) surfaces. <i>Applied Surface Science</i> , 2020 , 526, 146460	6.7	7
148	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
147	Utilization of waste crude glycerol for hydrogen production via steam reforming over Ni _{0.5} Zr catalysts. <i>Biomass and Bioenergy</i> , 2020 , 135, 105508	5.3	15
146	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
145	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
144	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
143	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

142	Ln(III)Ni(II) heteropolynuclear metal organic frameworks of oxydiacetate with promising proton-conductive properties. <i>CrystEngComm</i> , 2020 , 22, 5638-5648	3.3	1
141	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
140	Hydrogen storage in AB ₂ hydride alloys: Diffusion processes analysis. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 879, 114781	4.1	2
139	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
138	Nanocrystals of Novel Valerolactam-Fenbendazole Hybrid with Improved in vitro Dissolution Performance. <i>AAPS PharmSciTech</i> , 2020 , 21, 237	3.9	15
137	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
136	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
135	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
134	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
133	Detection of oxytetracycline in honey using SERS on silver nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115673	14.6	12
132	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
131	Role of surface defects on the adsorption of poly(9-vinylcarbazole) on TiO ₂ using the monomer as a donor:acceptor model. <i>Applied Surface Science</i> , 2019 , 487, 1104-1110	6.7	2
130	Thermoelectric Properties and Thermal Stability of Conducting Polymer Nanocomposites: A Review 2019 , 469-494		1
129	Structural Characterization and Electrochemical Performance of Zr _{1-x} Ti _x Cr _{0.7} Mo _{0.3} Ni Alloys. <i>Jom</i> , 2019 , 71, 1952-1961	2.1	2
128	Extremely Large Magnetic-Field-Effects on the Impedance Response of TiO Quantum Dots. <i>Scientific Reports</i> , 2019 , 9, 5322	4.9	5
127	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
126	Effect of power ultrasound on quality of fresh-cut lettuce (cv. Vera) packaged in passive modified atmosphere. <i>Food and Bioproducts Processing</i> , 2019 , 117, 138-148	4.9	14
125	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

124	Lanthanide coordination polymers based on flexible ligands derived from iminodiacetic acid. <i>Polyhedron</i> , 2019 , 170, 683-689	2.7	3
123	Effectiveness of micronizing zinc borate to improve its fungicidal properties. <i>BioResources</i> , 2019 , 14, 6231-6246	1.3	1
122	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
121	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
120	Biogenic silver nanoparticles: understanding the antimicrobial mechanism using Confocal Raman Microscopy. <i>Materials Research Express</i> , 2019 , 6, 1250f5	1.7	5
119	Lithium titanate nanotubes as active fillers for lithium-ion polyacrylonitrile solid polymer electrolytes. <i>Ionics</i> , 2019 , 25, 2607-2614	2.7	7
118	Synthesis, characterization and simulation of lithium titanate nanotubes for dye sensitized solar cells. <i>Ceramics International</i> , 2019 , 45, 708-717	5.1	8
117	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
116	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
115	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
114	Electrodeposited Cu ₂ O doped with Cl: Electrical and optical properties. <i>Journal of Applied Physics</i> , 2018 , 123, 161567	2.5	7
113	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
112	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
111	Emulating porphyrins with a rippled multivacancy graphene system. <i>Applied Surface Science</i> , 2018 , 436, 1173-1180	6.7	1
110	Development of oxyfluoroborate glass ceramics doped with Er ³⁺ and Yb ³⁺ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5472-5479	2.1	1
109	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
108	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
107	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

106	Possible causes for rippling in a multivacancy graphene system. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25529	2.1	5
105	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
104	p- and n-type doping with strontium and cerium in the biphasic La _{1.55} Nd _{0.45} CuO ₄ system. <i>Materials Research Bulletin</i> , 2018 , 97, 136-141	5.1	
103	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
102	Sulfur doping in multivacancy graphene systems. <i>Applied Surface Science</i> , 2018 , 459, 336-344	6.7	5
101	Role of conducting polyaniline interphase on the low field magnetoresistance for LSMO-PANI nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 466, 446-451	2.8	
100	Possible doping of single-layer MoS ₂ with Pt: A DFT study. <i>Applied Surface Science</i> , 2018 , 462, 409-416	6.7	13
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	Curvature and vacancies in graphene quantum dots. <i>Applied Surface Science</i> , 2018 , 462, 540-548	6.7	12
97	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
96	A brief overview of Materials Science in Uruguay. <i>MRS Advances</i> , 2018 , 3, 3535-3541	0.7	
95	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
94	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
93	Toward Heterogeneously Catalyzed Detoxification of Phosphotriesters: Insights from Kinetics and Theoretical Calculations. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25530-25538	3.8	2
92	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
91	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
90	Lanthanide coordination polymers with N-methyliminodipropionic acid: Synthesis, crystal structures and luminescence. <i>Inorganica Chimica Acta</i> , 2017 , 462, 308-314	2.7	2
89	Characterization of titanate nanotubes for energy applications. <i>Journal of Energy Storage</i> , 2017 , 12, 66-77.8		14

88	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
87	DFT study of methanol adsorption on PtCo(111). <i>Applied Surface Science</i> , 2017 , 420, 383-389	6.7	16
86	Using density functional theory to increase the accuracy of experimental crystal structures: The case of potassium peroxocarbonate. <i>Journal of Molecular Structure</i> , 2017 , 1146, 1-4	3.4	1
85	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
84	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
83	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
82	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
81	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
80	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
79	Mechanical properties and electronic structure of edge-doped graphene nanoribbons with F, O, and Cl atoms. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 21474-21480	3.6	1
78	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
77	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
76	Hydrogen production by crude glycerol steam reforming over Ni ₁ La ₁ mixed oxide catalysts. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 30525-30534	6.7	32
75	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
74	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
73	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
72	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
71	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

70	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
69	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
68	Microstructure, interparticle interactions and magnetotransport of manganite-polyaniline nanocomposites. <i>Materials Chemistry and Physics</i> , 2016 , 171, 178-184	4.4	5
67	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
66	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
65	Effect of Cu doping on Ba _{0.5} Sr _{0.5} Fe _{1-x} Cu _x O _{3-δ} perovskites for solid oxide fuel cells: A first-principles study. <i>Journal of Power Sources</i> , 2016 , 311, 13-20	8.9	14
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	Mechanical Properties Calculation of II-VI Semiconductors: Cd _{1-y} ZnyTe(0 ≤ y ≤ 1) 2015 , 8, 656-664		4
56	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
55	Highly textured Pr _x Y _{1-x} Ba ₂ Cu ₃ O _{7-δ} polycrystalline ceramics sintered in Ar atmosphere. <i>Materials Chemistry and Physics</i> , 2015 , 155, 122-128	4.4	2
54	Synthesis and characterization of La _{0.6} Sr _{0.4} Fe _{0.8} Cu _{0.2} O _{3-δ} oxide as cathode for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 208-213	3.3	6
53	n and p type character of single molecule diodes. <i>Scientific Reports</i> , 2015 , 5, 8350	4.9	10

52	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
51	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
50	First-principles study of Cd impurities localized at and near the (001) α -Al ₂ O ₃ surface. <i>Computational Materials Science</i> , 2015 , 107, 15-23	3.2	3
49	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
48	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
47	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
46	Influence of iron impurities on defected graphene. <i>Chemical Physics</i> , 2015 , 449, 14-22	2.3	7
45	Microstructural and magnetotransport studies of novel manganite-β-boric acid nanocomposites prepared at low temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 490-495	2.8	5
44	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
43	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
42	Synthesis, characterization, microbiological evaluation, genotoxicity and synergism tests of new nano silver complexes with sulfamoxole: X-ray diffraction of [Ag ₂ (SMX) ₂] \cdot DMSO. <i>Journal of Inorganic Biochemistry</i> , 2014 , 141, 58-69	4.2	21
41	Modelling magnetism of C at O and B monovacancies in graphene. <i>Carbon</i> , 2013 , 64, 281-287	10.4	35
40	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
39	Coupling of Cobalt-Tetraphenylporphyrin Molecules to a Copper Nitride Layer. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15984-15990	3.8	15
38	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
37	Ethanol steam reforming over NiLaZr and NiCuLaZr mixed metal oxide catalysts. <i>Catalysis Today</i> , 2013 , 213, 42-49	5.3	30
36	Hybrid compounds based on fullerene and polycyclic aromatic hydrocarbons with absorption in the near infrared region. <i>Computational and Theoretical Chemistry</i> , 2013 , 1018, 50-58	2	1
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