

Marisa Carvalho Oliveira

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.

33
papers

432
citations

15
h-index

20
g-index

37
ext. papers

599
ext. citations

4.1
avg, IF

3.89
L-index

#	Paper	IF	Citations
33	Light-assisted ozone gas-sensing performance of SnO ₂ nanoparticles: Experimental and theoretical insights. <i>Sensors and Actuators Reports</i> , 2022 , 100081	4.7	0
32	Unveiling the shape-selective CoCr ₂ -yScyO ₄ nanomagnetism. <i>Applied Surface Science</i> , 2022 , 574, 1515556.7	0	0
31	Unconventional Disorder by Femtosecond Laser Irradiation in FeO. <i>ACS Omega</i> , 2021 , 6, 28049-28062	3.9	0
30	Magnetism and DFT calculations for understanding magnetic ground state of Fe doped Mn ₂ O ₃ . <i>Journal of Alloys and Compounds</i> , 2021 , 861, 158567	5.7	1
29	Presence of excited electronic states on terbium incorporation in CaMoO ₄ : Insights from experimental synthesis and first-principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 149, 109790	3.9	2
28	Role of Surfaces in the Magnetic and Ozone Gas-Sensing Properties of ZnFeO Nanoparticles: Theoretical and Experimental Insights. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4605-4617	9.5	16
27	DFT Simulations for Heterogeneous Photocatalysis from ZnO and CuO Semiconductors. <i>Engineering Materials</i> , 2021 , 185-200	0.4	0
26	Barium strontium titanate-based perovskite materials from DFT perspective: assessing the structural, electronic, vibrational, dielectric and energetic properties. <i>Theoretical Chemistry Accounts</i> , 2021 , 140, 1	1.9	4
25	Hematite rhombuses for chemiresistive ozone sensors: Experimental and theoretical approaches. <i>Applied Surface Science</i> , 2021 , 563, 150209	6.7	2
24	Unraveling the relationship between bulk structure and exposed surfaces and its effect on the electronic structure and photoluminescent properties of Ba _{0.5} Sr _{0.5} TiO ₃ : A joint experimental and theoretical approach. <i>Materials Research Bulletin</i> , 2021 , 143, 111442	5.1	2
23	Towards shape-oriented Bi-doped CoCr ₂ O ₄ nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6452-6469	7.1	7
22	Quantum mechanical modeling of Zn-based spinel oxides: Assessing the structural, vibrational, and electronic properties. <i>International Journal of Quantum Chemistry</i> , 2020 , 120, e26368	2.1	0
21	Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO ₂ : A Unified Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5378-5388	3.8	16
20	Structural, electronic, vibrational and magnetic properties of Zn ²⁺ substituted MnCr ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 502, 166595	2.8	24
19	Connecting the surface structure, morphology and photocatalytic activity of Ag ₂ O: An in depth and unified theoretical investigation. <i>Applied Surface Science</i> , 2020 , 509, 145321	6.7	29
18	Recent progress and approaches on the synthesis of Mn-doped zinc oxide nanoparticles: a theoretical and experimental investigation on the photocatalytic performance. <i>New Journal of Chemistry</i> , 2020 , 44, 8805-8812	3.6	15
17	Temperature dependence on phase evolution in the BaTiO ₃ polytypes studied using ab initio calculations. <i>International Journal of Quantum Chemistry</i> , 2020 , 120, e26054	2.1	7

16	Connecting theory with experiment to understand the photocatalytic activity of CuO/ZnO heterostructure. <i>Ceramics International</i> , 2020 , 46, 9446-9454	5.1	24
15	Structural, electronic and magnetic properties of Sc ³⁺ doped CoCr ₂ O ₄ nanoparticles. <i>New Journal of Chemistry</i> , 2020 , 44, 14246-14255	3.6	16
14	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO ₄ Nanoparticles. <i>Crystal Growth and Design</i> , 2020 , 20, 6592-6603	3.5	7
13	In Situ Growth of Bi Nanoparticles on NaBiO ₃ , Bi ₂ and Bi ₂ O ₃ Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 5023-5030	3.8	10
12	Geometry, electronic structure, morphology, and photoluminescence emissions of BaW _{1-x} Mo _x O ₄ (x = 0, 0.25, 0.50, 0.75, and 1) solid solutions: Theory and experiment in concert. <i>Applied Surface Science</i> , 2019 , 463, 907-917	6.7	15
11	Understanding the White-Emitting CaMoO ₄ Co-Doped Eu ³⁺ , Tb ³⁺ , and Tm ³⁺ Phosphor through Experiment and Computation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18536-18550	3.8	27
10	First principle investigation of the exposed surfaces and morphology of BiZnMoO ₄ . <i>Journal of Applied Physics</i> , 2019 , 126, 235301	2.5	10
9	Structure, morphology and photoluminescence emissions of ZnMoO ₄ : RE ³⁺ =Tb ³⁺ - Tm ³⁺ - X Eu ³⁺ (x= 1, 1.5, 2, 2.5 and 3 mol%) particles obtained by the sonochemical method. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 55-70	5.7	26
8	Experimental and theoretical study of the energetic, morphological, and photoluminescence properties of CaZrO ₃ :Eu ³⁺ . <i>CrystEngComm</i> , 2018 , 20, 5519-5530	3.3	17
7	Experimental and theoretical study to explain the morphology of CaMoO ₄ crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 114, 141-152	3.9	31
6	Computational Chemistry Meets Experiments for Explaining the Geometry, Electronic Structure, and Optical Properties of CaVO. <i>Inorganic Chemistry</i> , 2018 , 57, 15489-15499	5.1	15
5	In situ Formation of Metal Nanoparticles through Electron Beam Irradiation: Modeling Real Materials from First-Principles Calculations. <i>Journal of Material Science & Engineering</i> , 2018 , 07,	0.7	3
4	Mechanism of photoluminescence in intrinsically disordered CaZrO ₃ crystals: First principles modeling of the excited electronic states. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 981-995	5.7	15
3	Synthesis and morphological transformation of BaWO ₄ crystals: Experimental and theoretical insights. <i>Ceramics International</i> , 2016 , 42, 10913-10921	5.1	40
2	On the morphology of BaMoO ₄ crystals: A theoretical and experimental approach. <i>Crystal Research and Technology</i> , 2016 , 51, 634-644	1.3	16
1	A theoretical investigation of the structural and electronic properties of orthorhombic CaZrO ₃ . <i>Ceramics International</i> , 2015 , 41, 3069-3074	5.1	34