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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.

114 papers	1,506 citations	21 h-index	33 g-index
118 ext. papers	1,792 ext. citations	3.5 avg, IF	4.92 L-index

#	Paper	IF	Citations
114	Morphology and Blue Photoluminescence Emission of PbMoO <sub>4</sub> Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5812-5822	3.8	156
113	Electrochemical evaluation of CuFe <sub>2</sub> O <sub>4</sub> samples obtained by sol-gel methods used as anodes in lithium batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2008</b> , 12, 729-737	2.6	77
112	Toward Understanding the Photocatalytic Activity of PbMoO <sub>4</sub> Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21382-21395	3.8	69
111	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO <sub>4</sub> crystals. <i>Polyhedron</i> , <b>2013</b> , 50, 532-545	2.7	57
110	( <sup>57</sup> Fe) Mössbauer spectroscopy and electron microscopy study of metal extraction from CuFe <sub>2</sub> O <sub>4</sub> electrodes in lithium cells. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1999-2007	3.2	46
109	TiO <sub>2</sub> /PDMS nanocomposites for use on self-cleaning surfaces. <i>Surface and Coatings Technology</i> , <b>2014</b> , 239, 16-19	4.4	42
108	White photoluminescence emission from ZrO <sub>2</sub> co-doped with Eu <sup>3+</sup> , Tb <sup>3+</sup> and Tm <sup>3+</sup> . <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 674, 245-251	5.7	39
107	Photoluminescent properties of ZrO <sub>2</sub> : Tm <sup>3+</sup> , Tb <sup>3+</sup> , Eu <sup>3+</sup> powders: A combined experimental and theoretical study. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 3094-3103	5.7	36
106	Study of the photocatalysis and increase of antimicrobial properties of Fe <sup>3+</sup> and Pb <sup>2+</sup> co-doped ZnO nanoparticles obtained by microwave-assisted hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 93, 123-133	4.3	34
105	Preparation and photoluminescence characteristics of In(OH) <sub>3</sub> :xTb <sup>3+</sup> obtained by Microwave-Assisted Hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 553, 338-342	5.7	31
104	Experimental and theoretical study to explain the morphology of CaMoO <sub>4</sub> crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 114, 141-152	3.9	31
103	Connecting the surface structure, morphology and photocatalytic activity of Ag <sub>2</sub> O: An in depth and unified theoretical investigation. <i>Applied Surface Science</i> , <b>2020</b> , 509, 145321	6.7	29
102	Understanding the White-Emitting CaMoO <sub>4</sub> Co-Doped Eu <sup>3+</sup> , Tb <sup>3+</sup> , and Tm <sup>3+</sup> Phosphor through Experiment and Computation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18536-18550	3.8	27
101	Structure, morphology and photoluminescence emissions of ZnMoO <sub>4</sub> : RE <sup>3+</sup> =Tb <sup>3+</sup> - Tm <sup>3+</sup> - X Eu <sup>3+</sup> (x= 1, 1.5, 2, 2.5 and 3 mol%) particles obtained by the sonochemical method. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 750, 55-70	5.7	26
100	Optimizing the synthesis of cobalt aluminate pigment using fractional factorial design. <i>Ceramics International</i> , <b>2015</b> , 41, 699-706	5.1	25
99	Nonohmic behavior of SnO <sub>2</sub> -MnO polycrystalline ceramics. II. Analysis of admittance and dielectric spectroscopy. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 3811-3817	2.5	25
98	Structural, electronic, vibrational and magnetic properties of Zn <sup>2+</sup> substituted MnCr <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 502, 166595	2.8	24

97	Photoluminescent properties of the Ba <sub>1-x</sub> Zn <sub>x</sub> MoO <sub>4</sub> heterostructure obtained by ultrasonic spray pyrolysis. <i>Ceramics International</i> , <b>2018</b> , 44, 3775-3786	5.1	24
96	Connecting theory with experiment to understand the photocatalytic activity of CuO/ZnO heterostructure. <i>Ceramics International</i> , <b>2020</b> , 46, 9446-9454	5.1	24
95	Photoluminescence properties of (Eu, Tb, Tm) co-doped PbMoO <sub>4</sub> obtained by sonochemical synthesis. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 700, 130-137	5.7	22
94	Influence of pH on the morphology and photocatalytic activity of CuO obtained by the sonochemical method using different surfactants. <i>Ceramics International</i> , <b>2019</b> , 45, 651-658	5.1	22
93	Photoluminescence and photocatalytic properties of Ag/AgCl synthesized by sonochemistry: statistical experimental design. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12273-12281	2.1	20
92	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO <sub>4</sub> microcrystals. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 26, 425-430	4.3	20
91	One-step synthesis of CaMoO <sub>4</sub> : Eu <sup>3+</sup> nanospheres by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16867-16879	2.1	18
90	Photocatalytic activity and photoluminescence properties of TiO <sub>2</sub> , In <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> /In <sub>2</sub> O <sub>3</sub> thin films multilayer. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6530-6542	2.1	17
89	Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO <sub>2</sub> : A Unified Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5378-5388	3.8	16
88	Characterization and photocatalytic application of Ce <sup>4+</sup> , Co <sup>2+</sup> , Mn <sup>2+</sup> and Ni <sup>2+</sup> doped Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles obtained by the co-precipitation method. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 242, 122489	4.4	16
87	Synthesis and characterization of Ag <sup>+</sup> and Zn <sup>2+</sup> co-doped CaWO <sub>4</sub> nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153617	5.7	16
86	Structural, electronic and magnetic properties of Sc <sup>3+</sup> doped CoCr <sub>2</sub> O <sub>4</sub> nanoparticles. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 14246-14255	3.6	16
85	Influence of variables on the synthesis of CoFe <sub>2</sub> O <sub>4</sub> pigment by the complex polymerization method. <i>Journal of Advanced Ceramics</i> , <b>2015</b> , 4, 135-141	10.7	15
84	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> , <b>2020</b> , 44, 8805-8812	3.6	15
83	Photocatalytic Properties under Sunlight of Heterostructures AgCl/CuO Obtained by Sonochemical Method. <i>Plasmonics</i> , <b>2019</b> , 14, 79-89	2.4	14
82	Nonlinear behavior of TiO <sub>2</sub> /Ta <sub>2</sub> O <sub>5</sub> /MnO <sub>2</sub> material doped with BaO and Bi <sub>2</sub> O <sub>3</sub> . <i>Materials Chemistry and Physics</i> , <b>2004</b> , 85, 96-103	4.4	14
81	Characterization and Photoluminescent, Photocatalytic and Antimicrobial Properties of Boron-Doped TiO <sub>2</sub> Nanoparticles Obtained by Microwave-Assisted Solvothermal Method. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 3145-3156	1.9	14
80	Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO <sub>4</sub> nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , <b>2020</b> , 46, 1768-1774	5.1	14

79	Synthesis and characterization of Y (In, Mn) O <sub>3</sub> blue pigment using the complex polymerization method (CPM). <i>Ceramics International</i> , <b>2018</b> , 44, 11932-11939	5.1	13
78	Fast and continuous obtaining of Eu <sup>3+</sup> doped CeO <sub>2</sub> microspheres by ultrasonic spray pyrolysis: characterization and photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 11508-11519	2.1	12
77	Effect of temperature on the morphology and optical properties of Ag <sub>2</sub> WO <sub>4</sub> obtained by the co-precipitation method: Photocatalytic activity. <i>Ceramics International</i> , <b>2019</b> , 45, 15205-15212	5.1	12
76	Influence of solution pH on forming silver molybdates obtained by sonochemical method and its application for methylene blue degradation. <i>Ceramics International</i> , <b>2019</b> , 45, 11448-11456	5.1	12
75	Effect of calcium on the structural properties of Ba(1-x)Ca x TiO <sub>3</sub> particles synthesized by complex polymerization method. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2875-2878	4.3	12
74	Effect of atmosphere on the electrical properties of TiO <sub>2</sub> /SnO <sub>2</sub> varistor systems. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2004</b> , 15, 665-669	2.1	12
73	Increase of antimicrobial and photocatalytic properties of silver-doped PbS obtained by sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 19052-19062	2.1	12
72	Increased Degradation Capacity of Methylene Blue Dye Using Mg-doped ZnO Nanoparticles Decorated by Ag <sub>0</sub> Nanoparticles. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 3017-3025	1.9	11
71	Enhancement of the photocatalytic activity and white emission of CaIn <sub>2</sub> O <sub>4</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 316-323	5.7	11
70	White light emission from single-phase Y <sub>2</sub> MoO <sub>6</sub> : xPr <sup>3+</sup> (x = 1, 2, 3 and 4 mol%) phosphor. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 420-429	5.7	11
69	Microwave-assisted hydrothermal synthesis of magnetite nanoparticles with potential use as anode in lithium ion batteries. <i>Materials Research</i> , <b>2014</b> , 17, 1065-1070	1.5	11
68	Fast and simultaneous doping of SrCaInO:(xEu, yTm, zTb) superstructure by ultrasonic spray pyrolysis. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 56, 14-24	8.9	10
67	Influence Ca-doped SrIn <sub>2</sub> O <sub>4</sub> powders on photoluminescence property prepared one step by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 747, 1078-1087	5.7	10
66	Synthesis and characterization of Ag <sub>2</sub> MoO <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> heterostructure obtained by fast and simple ultrasonic spray pyrolysis method at different temperatures. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 4271-4278	2.1	10
65	First principle investigation of the exposed surfaces and morphology of ZnMoO <sub>4</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 235301	2.5	10
64	Evaluation of morphology and photoluminescent properties of PbMoO <sub>4</sub> crystals by ultrasonic amplitude. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4608-4620	4.3	9
63	Tb <sup>3+</sup> /Pr <sup>3+</sup> co-doped ZnMoO <sub>4</sub> phosphor with tunable photoluminescence and energy transfer processes. <i>Optical Materials</i> , <b>2019</b> , 96, 109332	3.3	9
62	Enhanced Photocatalytic Properties of Zinc-Doped CuO Decorated with Silver Obtained by Microwave-Assisted Hydrothermal Method: Statistical Factorial Design. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 4840-4849	1.9	9

61	Influence of Zn <sub>1-x</sub> CaxWO <sub>4</sub> heterostructures synthesized by spray pyrolysis on photoluminescence property. <i>Ceramics International</i> , <b>2019</b> , 45, 23256-23264	5.1	9
60	Synthesis, characterization, optical properties investigation and reusability photocatalyst capacity of AgCl-xGO composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 15214-15223	2.1	9
59	Development of ZnO/PDMS nanocomposite with photocatalytic/hydrophobic multifunction. <i>Chemical Physics Letters</i> , <b>2020</b> , 740, 137051	2.5	9
58	Spray pyrolysis synthesis and characterization of Mg <sub>1-x</sub> SrxMoO <sub>4</sub> heterostructure with white light emission. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 813, 152235	5.7	9
57	Microwave-assisted hydrothermal synthesis of Ag <sub>2</sub> Mo <sub>1-x</sub> WxO <sub>4</sub> (x' = 0, 0.25, 0.50, 0.75 and 1 mol%) heterostructures for enhanced photocatalytic degradation of organic dyes. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156077	5.7	8
56	Antimicrobial activity from polymeric composites-based polydimethylsiloxane/TiO <sub>2</sub> /GO: evaluation of filler synthesis and surface morphology. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 2379-2390	2.4	8
55	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO and PbCaSrMoO (= 0.1, 0.2, 0.3, 0.4 and 0.5) solid solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25876-25891	3.6	8
54	Effects of MnO <sub>2</sub> /In <sub>2</sub> O <sub>3</sub> thin films on photocatalytic degradation 17 alpha-ethynylestradiol and methylene blue in water. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 12278-12287	2.1	8
53	On the use of guanidine hydrochloride soft template in the synthesis of Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> cathodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 789, 1035-1045	5.7	7
52	Growth mechanism and vibrational and optical properties of SrMoO <sub>4</sub> : Tb <sup>3+</sup> , Sm <sup>3+</sup> particles: green-blue tunable color. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 8610-8629	4.3	7
51	The use of clinoptilolite as carrier of nitrogenated fertilizer with controlled release. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 4171-4177	6.8	7
50	Computational procedure to an accurate DFT simulation to solid state systems. <i>Computational Materials Science</i> , <b>2019</b> , 170, 109176	3.2	7
49	Temperature dependence on phase evolution in the BaTiO <sub>3</sub> polytypes studied using ab initio calculations. <i>International Journal of Quantum Chemistry</i> , <b>2020</b> , 120, e26054	2.1	7
48	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO <sub>4</sub> Nanoparticles. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 6592-6603	3.5	7
47	Preparation and photocatalytic properties of hexagonal-shaped ZnO:Sm <sup>3+</sup> by microwave-assisted hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 7943-7950	2.1	6
46	Synthesis and Characterization of Co <sup>2+</sup> and Mn <sup>2+</sup> Codoped ZnO Nanoparticles Obtained by the Sonochemical Method: Photocatalytic and Antimicrobial Properties. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 5900-5905	1.9	6
45	Stabilization of the Ag <sub>2</sub> WO <sub>4</sub> metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. <i>Ceramics International</i> , <b>2020</b> , 46, 14864-14871	5.1	6
44	Influence of pH variation on CuWO <sub>4</sub> , CuWO <sub>4</sub> /WO <sub>3</sub> and CuWO <sub>4</sub> /CuO structures stabilization: study of the photocatalytic properties under sunlight. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 18221-18233	2.1	6

43	Fast photocatalytic degradation of an organic dye and photoluminescent properties of Zn doped In(OH)3 obtained by the microwave-assisted hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 27, 1036-1041	4.3	5
42	Effect of different starting materials on the synthesis of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> . <i>Journal of Advanced Ceramics</i> , <b>2015</b> , 4, 65-70	10.7	5
41	Influence of synthesis parameters on properties and characteristics of poly (urea-formaldehyde) microcapsules for self-healing applications. <i>Journal of Microencapsulation</i> , <b>2019</b> , 36, 410-419	3.4	4
40	Simulation and design of a tuneable ferrite resonator antenna based on nanostructured nickel ferrite material. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 1618-1622	1.6	4
39	Enhanced photocatalytic activity of CaMoO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composites obtained via sonochemistry synthesis. <i>Materials Research Bulletin</i> , <b>2021</b> , 146, 111621	5.1	4
38	Fast and facile sonochemical synthesis of Mg- and Zn-doped PbS nanospheres: optical properties and photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 14192-14202	2.1	4
37	Influence of Cosurfactant on the Synthesis of Surface-Modified Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> as a Cathode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3528-3534	4.3	4
36	Effect of Ag clusters doping on the photoluminescence, photocatalysis and magnetic properties of ZnO nanorods prepared by facile microwave-assisted hydrothermal synthesis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11059-11069	2.1	3
35	Photocatalytic properties of the CeO <sub>2</sub> -xTiO <sub>2</sub> and TiO <sub>2</sub> -xCeO <sub>2</sub> (x = 10, 30, and 50 mol%) heterostructures obtained by a MAH. <i>International Journal of Applied Ceramic Technology</i> , <b>2020</b> , 17, 2376-2385 <sup>3</sup>		
34	Synthesis and characterization of BaWO <sub>4</sub> :xTm <sup>3+</sup> ,yPr <sup>3+</sup> obtained by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 11599-11608	2.1	3
33	Experimental statistic design applied for obtaining Zn:xCe by microwave-assisted hydrothermal method with photocatalytic property. <i>Journal of Advanced Ceramics</i> , <b>2016</b> , 5, 103-110	10.7	3
32	Microstructural, structural and optical properties of nanoparticles of PbO-CrO <sub>3</sub> pigment synthesized by a soft route. <i>Ceramica</i> , <b>2015</b> , 61, 118-125	1	3
31	Optical characterization of europium-doped indium hydroxide nanocubes obtained by Microwave-Assisted Hydrothermal method. <i>Materials Research</i> , <b>2014</b> , 17, 933-939	1.5	3
30	Rapid calcination of ferrite Ni <sub>0.75</sub> Zn <sub>0.25</sub> Fe <sub>2</sub> O <sub>4</sub> by microwave energy. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 118, 277-285	4.1	3
29	Study of Photocatalytic Properties of Ag/AgCl-Decorated Soybean Protein Knitting Fabric Against Acid Blue 260 Dye by Factorial Design. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 2118-2129	1.9	3
28	Biofilms of cellulose and hydroxyapatite composites: Alternative synthesis process. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2020</b> , 35, 469-478	2	3
27	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 857, 157562	5.7	3
26	Removal study of the hormone 17 alpha-ethynylestradiol and methylene blue dye from water using TiO <sub>2</sub> , Mn <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> /Mn <sub>2</sub> O <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 9260-9269	2.1	2



25	Photoluminescent properties of Sm <sup>3+</sup> and Tb <sup>3+</sup> codoped CaWO <sub>4</sub> nanoparticles obtained by a one-step sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 13261-13272	2.1	2
24	Effect of the Eu <sup>3+</sup> (x = 0, 1, 2 and 3 mol%) doped Zn <sub>2</sub> TiO <sub>4</sub> and Zn <sub>2</sub> Ti <sub>1-x</sub> O <sub>4</sub> obtained by complex polymerization method: photoluminescent and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 20979-20988	2.1	2
23	Study of microstructural, mechanical, and biomedical properties of zirconia/hydroxyapatite ceramic composites. <i>Ceramics International</i> , <b>2022</b> ,	5.1	2
22	Freezing Distortions and Photoluminescence Property in PbMoO <sub>4</sub> Micro- Octahedrons: An Experimental and Theoretical Study. <i>Current Physical Chemistry</i> , <b>2014</b> , 4, 4-14	0.5	2
21	Photoluminescent and antimicrobial properties of silver-doped indium hydroxide synthesized by one-step microwave-assisted hydrothermal method. <i>International Journal of Applied Ceramic Technology</i> , <b>2019</b> , 16, 471-480	2	2
20	Presence of excited electronic states on terbium incorporation in CaMoO <sub>4</sub> : Insights from experimental synthesis and first-principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 149, 109790	3.9	2
19	Red-emitting CaWO <sub>4</sub> :Eu <sup>3+</sup> ,Tm <sup>3+</sup> phosphor for solid-state lighting: Luminescent properties and morphology evolution. <i>Journal of Rare Earths</i> , <b>2021</b> , 40, 226-226	3.7	2
18	Effect of sintering parameters using the central composite design method, electronic structure and physical properties of yttria-partially stabilized ZrO <sub>2</sub> commercial ceramics. <i>Materials Science-Poland</i> , <b>2017</b> , 35, 225-238	0.6	1
17	Efeito do Pr <sub>2</sub> O <sub>3</sub> nas propriedades elétricas de varistores à base de SnO <sub>2</sub> . <i>Ceramica</i> , <b>2003</b> , 49, 232-236	1	1
16	Influence of the Number of Layers and Crystallization Temperature on the Photocatalytic Activity of TiO <sub>2</sub> / In <sub>2</sub> O <sub>3</sub> Thin Films. <i>Material Science &amp; Engineering International Journal</i> , <b>2017</b> , 1,	1.4	1
15	Study of obtaining thin films of CeO <sub>2</sub> doped with 2 and 4 mol% of europium, terbium and thulium by spin coating: photocatalytic properties. <i>Ceramica</i> , <b>2019</b> , 65, 515-522	1	1
14	Influence of doping with Sm <sup>3+</sup> on photocatalytic reuse of ZnO thin films obtained by spin coating. <i>Revista Materia</i> , <b>2019</b> , 24,	0.8	1
13	Zirconia/hydroxyapatite (80/20) scaffold repair in critical size calvarial defect increased FGF-2, osteocalcin and OPG immunostaining and IL-10 levels. <i>American Journal of Translational Research (discontinued)</i> , <b>2020</b> , 12, 2439-2450	3	1
12	Heterostructures obtained by ultrasonic methods for photocatalytic application: A review. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 106311	4.3	1
11	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 258, 123991	4.4	1
10	Antimicrobial and electrical properties of ce- and ni-doped zns nanoparticles obtained by a sonochemical method. <i>International Journal of Applied Ceramic Technology</i> , <b>2021</b> , 18, 598-604	2	1
9	Quantum mechanical modeling of Zn-based spinel oxides: Assessing the structural, vibrational, and electronic properties. <i>International Journal of Quantum Chemistry</i> , <b>2020</b> , 120, e26368	2.1	0
8	Effect of temperature on the photocatalytic properties of TiO <sub>2</sub> -CeO <sub>2</sub> multilayer thin films obtained by spin coating method. <i>Ceramica</i> , <b>2020</b> , 66, 145-153	1	0

7	Co <sub>2</sub> FeAl Heusler alloy onto amorphous TiO <sub>2</sub> layer: Exploring the quasi-static and dynamic magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 154, 110088	3.9	o
6	Integrated experimental and theoretical study on the phase transition and photoluminescent properties of ZrO <sub>2</sub> :xTb <sup>3+</sup> (x=1, 2, 4 and 8 mol %). <i>Materials Research Bulletin</i> , <b>2022</b> , 145, 111532	5.1	o
5	Enhanced red emission in Sr(1-x)Eu <sub>x</sub> Mo <sub>0.5</sub> W <sub>0.5</sub> O <sub>4</sub> (x = 0.01, 0.02, 0.04) phosphor and spectroscopic analysis for display applications. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8634-8647	4.3	o
4	Influence of reaction temperature, proportions of iron, cobalt and KOH on the CoFe <sub>2</sub> O <sub>4</sub> synthesis by hydrothermal method assisted by microwave heating. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 14402-14416	2.1	
3	Nanofitas de Óxido de estanho: controle do estado de oxidação pela atmosfera de síntese. <i>Ceramica</i> , <b>2004</b> , 50, 58-61	1	
2	DFT Simulations for Heterogeneous Photocatalysis from ZnO and CuO Semiconductors. <i>Engineering Materials</i> , <b>2021</b> , 185-200	0.4	
1	Effect of the Heat Treatment Sequence in Forming WO <sub>3</sub> /SnO <sub>2</sub> /CuO Nanocomposites on the Photocatalytic Properties Illuminated by UV and Sunlight Irradiation. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 7150	1.9	