

Lacio S Cavalcante

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151
papers

6,747
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75
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154
ext. papers

7,358
ext. citations

3.9
avg, IF

5.46
L-index

#	Paper	IF	Citations
151	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 537-542	5.7	200
150	Effect of Different Solvent Ratios (Water/Ethylene Glycol) on the Growth Process of CaMoO ₄ Crystals and Their Optical Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 4752-4768	3.5	186
149	Electronic structure, growth mechanism and photoluminescence of CaWO ₄ crystals. <i>CrystEngComm</i> , 2012 , 14, 853-868	3.3	174
148	SrMoO ₄ powders processed in microwave-hydrothermal: Synthesis, characterization and optical properties. <i>Chemical Engineering Journal</i> , 2008 , 140, 632-637	14.7	165
147	Synthesis, structural refinement and optical behavior of CaTiO ₃ powders: A comparative study of processing in different furnaces. <i>Chemical Engineering Journal</i> , 2008 , 143, 299-307	14.7	158
146	Morphology and Blue Photoluminescence Emission of PbMoO ₄ Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5812-5822	3.8	156
145	Cluster coordination and photoluminescence properties of β -Ag ₂ WO ₄ microcrystals. <i>Inorganic Chemistry</i> , 2012 , 51, 10675-87	5.1	143
144	Electronic structure and optical properties of BaMoO ₄ powders. <i>Current Applied Physics</i> , 2010 , 10, 614-624	6.2	130
143	Synthesis, growth process and photoluminescence properties of SrWO ₄ powders. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 227-36	9.3	124
142	Strong violet-blue light photoluminescence emission at room temperature in SrZrO ₃ : Joint experimental and theoretical study. <i>Acta Materialia</i> , 2008 , 56, 2191-2202	8.4	122
141	Hierarchical Assembly of CaMoO ₄ Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5207-5219	3.8	113
140	Toward an Understanding of the Growth of Ag Filaments on β -Ag ₂ WO ₄ and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 1229-1239	3.8	111
139	Facet-dependent photocatalytic and antibacterial properties of β -Ag ₂ WO ₄ crystals: combining experimental data and theoretical insights. <i>Catalysis Science and Technology</i> , 2015 , 5, 4091-4107	5.5	110
138	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO ₄ . <i>Crystal Growth and Design</i> , 2009 , 9, 1002-1012	3.5	102
137	Experimental and theoretical investigations of electronic structure and photoluminescence properties of β -Ag ₂ MoO ₄ microcrystals. <i>Inorganic Chemistry</i> , 2014 , 53, 5589-99	5.1	101
136	NiTiO ₃ powders obtained by polymeric precursor method: Synthesis and characterization. <i>Journal of Alloys and Compounds</i> , 2009 , 468, 327-332	5.7	101
135	Highly intense violet-blue light emission at room temperature in structurally disordered SrZrO ₃ powders. <i>Applied Physics Letters</i> , 2007 , 90, 091906	3.4	101

134	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. <i>Advanced Powder Technology</i> , 2010 , 21, 197-202	4.6	97
133	Direct in situ observation of the electron-driven synthesis of Ag filaments on Ag_2WO_4 crystals. <i>Scientific Reports</i> , 2013 , 3, 1676	4.9	95
132	A novel ozone gas sensor based on one-dimensional (1D) Ag_2WO_4 nanostructures. <i>Nanoscale</i> , 2014 , 6, 4058-62	7.7	92
131	Potentiated electron transference in Ag_2WO_4 microcrystals with Ag nanofilaments as microbial agent. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5769-78	2.8	91
130	BaMoO ₄ powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2674-2680	3.9	90
129	Rietveld refinement, microstructure, conductivity and impedance properties of Ba[Zr _{0.25} Ti _{0.75}]O ₃ ceramic. <i>Current Applied Physics</i> , 2011 , 11, 1282-1293	2.6	86
128	Optical and dielectric relaxor behaviour of Ba(Zr _{0.25} Ti _{0.75})O ₃ ceramic explained by means of distorted clusters. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 175414	3	82
127	Growth mechanism and photocatalytic properties of SrWO ₄ microcrystals synthesized by injection of ions into a hot aqueous solution. <i>Advanced Powder Technology</i> , 2013 , 24, 344-353	4.6	79
126	Photoluminescence behavior in MgTiO ₃ powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , 2009 , 117, 192-198	4.4	79
125	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO ₃ powders. <i>Journal of Applied Physics</i> , 2008 , 103, 063527	2.5	76
124	Structural refinement, optical and microwave dielectric properties of BaZrO ₃ . <i>Ceramics International</i> , 2012 , 38, 2129-2138	5.1	75
123	Microstructure, dielectric properties and optical band gap control on the photoluminescence behavior of Ba[Zr _{0.25} Ti _{0.75}]O ₃ thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 49, 35-46	2.3	75
122	Photoluminescent behavior of BaWO ₄ powders processed in microwave-hydrothermal. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 195-200	5.7	75
121	Presence of excited electronic state in CaWO ₄ crystals provoked by a tetrahedral distortion: An experimental and theoretical investigation. <i>Journal of Applied Physics</i> , 2011 , 110, 043501	2.5	74
120	Structure and optical properties of [Ba _{1-x} Y _{2x/3}](Zr _{0.25} Ti _{0.75})O ₃ powders. <i>Solid State Sciences</i> , 2010 , 12, 1160-1167	3.4	74
119	Structural refinement, growth process, photoluminescence and photocatalytic properties of (Ba _{1-x} Pr _{2x/3})WO ₄ crystals synthesized by the coprecipitation method. <i>RSC Advances</i> , 2012 , 2, 6438	3.7	72
118	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. <i>Materials Research Bulletin</i> , 2008 , 43, 771-775	5.1	72
117	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. <i>Ceramics International</i> , 2014 , 40, 4445-4453	5.1	71

116	Growth mechanism of octahedron-like BaMoO ₄ microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. <i>Particuology</i> , 2009 , 7, 353-362	2.8	70
115	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO ₄ Crystals. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20113-20119	3.8	66
114	A combined theoretical and experimental study of electronic structure and optical properties of ErZnMoO_4 microcrystals. <i>Polyhedron</i> , 2013 , 54, 13-25	2.7	65
113	First principles calculations on the origin of violet-blue and green light photoluminescence emission in SrZrO ₃ and SrTiO ₃ perovskites. <i>Theoretical Chemistry Accounts</i> , 2009 , 124, 385-394	1.9	63
112	Rietveld refinement, cluster modelling, growth mechanism and photoluminescence properties of CaWO ₄ :Eu ³⁺ microcrystals. <i>CrystEngComm</i> , 2015 , 17, 1654-1666	3.3	62
111	Structure, microstructure and dielectric properties of 100 \times (Bi _{0.5} Na _{0.5})TiO ₃ \times [SrTiO ₃] composites ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 715-723	2.6	61
110	ErZnMoO_4 microcrystals synthesized by the surfactant-assisted hydrothermal method: Growth process and photoluminescence properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 346-351	5.1	59
109	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 253-258	5.7	59
108	Intense visible photoluminescence in Ba(Zr _{0.25} Ti _{0.75})O ₃ thin films. <i>Applied Physics Letters</i> , 2007 , 90, 011901	3.4	58
107	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO ₄ crystals. <i>Polyhedron</i> , 2013 , 50, 532-545	2.7	57
106	Morphology and Photoluminescence of HfO ₂ Obtained by Microwave-Hydrothermal. <i>Nanoscale Research Letters</i> , 2009 , 4, 1371-1379	5	56
105	Structure, ferroelectric/magnetoelectric properties and leakage current density of (Bi _{0.85} Nd _{0.15})FeO ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5326-5335	5.7	55
104	Soft chemical deposition of BiFeO ₃ multiferroic thin films. <i>Applied Physics Letters</i> , 2007 , 90, 052906	3.4	55
103	Rietveld refinement and optical properties of SrWO ₄ :Eu ³⁺ powders prepared by the non-hydrolytic sol-gel method. <i>Journal of Rare Earths</i> , 2015 , 33, 113-128	3.7	54
102	Acetone gas sensor based on ErAg_2WO_4 nanorods obtained via a microwave-assisted hydrothermal route. <i>Journal of Alloys and Compounds</i> , 2016 , 683, 186-190	5.7	54
101	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O ₃ thin films. <i>Acta Materialia</i> , 2007 , 55, 6416-6426	8.4	53
100	Ferroelectric characteristics of BiFeO ₃ thin films prepared via a simple chemical solution deposition. <i>Journal of Applied Physics</i> , 2007 , 101, 074108	2.5	53
99	Understanding the origin of photoluminescence in disordered Ca _{0.60} Sr _{0.40} WO ₄ : An experimental and first-principles study. <i>Chemical Physics</i> , 2007 , 334, 180-188	2.3	52

98	Reflux synthesis and hydrothermal processing of ZrO ₂ nanopowders at low temperature. <i>Materials Chemistry and Physics</i> , 2009 , 117, 455-459	4.4	50
97	Influence of microwave energy on structural and photoluminescent behavior of CaTiO ₃ powders. <i>Solid State Sciences</i> , 2008 , 10, 1056-1061	3.4	49
96	Synthesis, characterization, structural refinement and optical absorption behavior of PbWO ₄ powders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 150, 18-25	3.1	49
95	Intense violet-blue photoluminescence in BaZrO ₃ powders: A theoretical and experimental investigation of structural order-disorder. <i>Optics Communications</i> , 2008 , 281, 3715-3720	2	48
94	Improvement of fatigue resistance on La modified BiFeO ₃ thin films. <i>Current Applied Physics</i> , 2009 , 9, 520-523	2.6	46
93	Ferroelectric and dielectric properties of vanadium-doped Ba(Ti _{0.90} Zr _{0.10})O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 466, L15-L18	5.7	46
92	Synthesis of (Ca,Nd)TiO ₃ powders by complex polymerization, Rietveld refinement and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 1050-9	4.4	44
91	Facile preparation of CuWO ₄ porous films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , 2017 , 256, 139-145	6.7	42
90	Morphotropic phase boundary and electrical properties of 1-x[Bi _{0.5} Na _{0.5}]TiO ₃ -xBa[Zr _{0.25} Ti _{0.75}]O ₃ lead-free piezoelectric ceramics. <i>Ceramics International</i> , 2013 , 39, 4877-4886	5.1	42
89	Photoluminescence property of powders prepared by solid state reaction and polymeric precursor method. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3341-3347	2.8	42
88	Structural and dielectric relaxor properties of yttrium-doped Ba(Zr _{0.25} Ti _{0.75})O ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2010 , 121, 147-153	4.4	40
87	Synthesis and photoluminescence behavior of Bi ₄ Ti ₃ O ₁₂ powders obtained by the complex polymerization method. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 661-670	5.7	39
86	Anatase TiO ₂ nanocrystals anchored at inside of SBA-15 mesopores and their optical behavior. <i>Applied Surface Science</i> , 2016 , 389, 1137-1147	6.7	39
85	Structural evolution, growth mechanism and photoluminescence properties of CuWO nanocrystals. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 256-270	8.9	38
84	Synthesis, growth mechanism, optical properties and catalytic activity of ZnO microcrystals obtained via hydrothermal processing. <i>RSC Advances</i> , 2017 , 7, 24263-24281	3.7	38
83	SrZrO ₃ powders obtained by chemical method: Synthesis, characterization and optical absorption behaviour. <i>Solid State Sciences</i> , 2007 , 9, 1020-1027	3.4	38
82	Rietveld refinement, morphology and optical properties of (Ba _{1-x} Sr _x)MoO ₄ crystals. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1434-1446	3.8	37
81	Structural Refinement and Photoluminescence Properties of MnWO ₄ Nanorods Obtained by Microwave-Hydrothermal Synthesis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 264-271	3.2	36

80	Domestic microwave oven adapted for fast heat treatment of Ba _{0.5} Sr _{0.5} (Ti _{0.8} Sn _{0.2})O ₃ powders. <i>Journal of Materials Processing Technology</i> , 2007 , 189, 316-319	5.3	35
79	Facile synthesis of ZnS/MnS nanocomposites for supercapacitor applications. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 303-313	2.6	34
78	The role of structural order/disorder for visible intense photoluminescence in the BaZr _{0.5} Ti _{0.5} O ₃ thin films. <i>Chemical Physics</i> , 2005 , 316, 260-266	2.3	34
77	Structural, morphological and optical investigation of Ag ₂ MoO ₄ microcrystals obtained with different polar solvents. <i>CrystEngComm</i> , 2015 , 17, 8207-8211	3.3	33
76	Improving the ozone gas-sensing properties of CuWO ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 411-417	5.7	33
75	Structural and dielectric properties of polyvinyl alcohol/barium zirconium titanate polymer/ceramic composite. <i>Current Applied Physics</i> , 2013 , 13, 1490-1495	2.6	32
74	Structural and dielectric properties of Ba _{0.5} Sr _{0.5} (Sn _x Ti _{1-x})O ₃ ceramics obtained by the soft chemical method. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 877-882	5.7	31
73	Structural refinement, optical and ferroelectric properties of microcrystalline Ba(Zr _{0.05} Ti _{0.95})O ₃ perovskite. <i>Current Applied Physics</i> , 2014 , 14, 708-715	2.6	30
72	Effect of different surfactants on the shape, growth and photoluminescence behavior of MnWO ₄ crystals synthesized by the microwave-hydrothermal method. <i>Advanced Powder Technology</i> , 2012 , 23, 124-128	4.6	30
71	Photoluminescent behavior of SrBi ₂ Nb ₂ O ₉ powders explained by means of Bi ₂ O ₃ phase. <i>Applied Physics Letters</i> , 2007 , 90, 261913	3.4	30
70	A new processing method of CaZn ₂ (OH) ₆ ·2H ₂ O powders: Photoluminescence and growth mechanism. <i>Solid State Sciences</i> , 2009 , 11, 2173-2179	3.4	29
69	Strain and vacancy cluster behavior of vanadium and tungsten-doped Ba[Zr _{0.10} Ti _{0.90}]O ₃ ceramics. <i>Applied Physics Letters</i> , 2008 , 92, 032905	3.4	27
68	Effect of partial preferential orientation and distortions in octahedral clusters on the photoluminescence properties of FeWO ₄ nanocrystals. <i>CrystEngComm</i> , 2012 , 14, 7127	3.3	26
67	Temperature dependence of dielectric properties for Ba(Zr _{0.25} Ti _{0.75})O ₃ thin films obtained from the soft chemical method. <i>Materials Chemistry and Physics</i> , 2007 , 105, 293-297	4.4	26
66	Structural refinement, Raman spectroscopy, optical and electrical properties of (Ba _{1-x} Sr _x)MoO ₄ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8319-8335	2.1	25
65	Local electronic structure, optical bandgap and photoluminescence (PL) properties of Ba(Zr _{0.75} Ti _{0.25})O ₃ powders. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1035-1045	4.3	25
64	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr _{0.25} Ti _{0.75}]O ₃ powders: An experimental/theoretical correlation. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1782-1789	3.9	25
63	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O ₃ powders. <i>Journal of Alloys and Compounds</i> , 2008 , 464, 340-346	5.7	24

62	Impact of oxygen atmosphere on piezoelectric properties of CaBi ₂ Nb ₂ O ₉ thin films. <i>Acta Materialia</i> , 2007 , 55, 4707-4712	8.4	24
61	Ferroelectric fatigue endurance of Bi _{4-x} La _x Ti ₃ O ₁₂ thin films explained in terms of x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2007 , 101, 084112	2.5	24
60	Ferroelectric and dielectric behaviour of Bi _{0.92} La _{0.08} FeO ₃ multiferroic thin films prepared by soft chemistry route. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 44, 269-273	2.3	23
59	Structural refinement and photoluminescence properties of irregular cube-like (Ca _{1-x} Cu _x)TiO ₃ microcrystals synthesized by the microwave-hydrothermal method. <i>Materials Chemistry and Physics</i> , 2012 , 136, 130-139	4.4	22
58	(Sr,Tm)ZrO ₃ powders prepared by the polymeric precursor method: Synthesis, optical properties and morphological characteristics. <i>Optical Materials</i> , 2009 , 31, 1134-1143	3.3	22
57	Size effects of polycrystalline lanthanum modified Bi ₄ Ti ₃ O ₁₂ thin films. <i>Materials Research Bulletin</i> , 2008 , 43, 158-167	5.1	21
56	Ferroelectric and dielectric properties of thin films grown by the soft chemical method. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2972-2976	3.3	21
55	Effect of different strontium precursors on the growth process and optical properties of SrWO ₄ microcrystals. <i>Journal of Materials Science</i> , 2015 , 50, 8089-8103	4.3	20
54	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO ₄ microcrystals. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 425-430	4.3	20
53	Electronic structure and magnetic properties of FeWO ₄ nanocrystals synthesized by the microwave-hydrothermal method. <i>Materials Characterization</i> , 2012 , 73, 124-129	3.9	19
52	Effect of annealing time on morphological characteristics of Ba(Zr,Ti)O ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2007 , 437, 269-273	5.7	19
51	Hydrothermal synthesis, structural characterization and photocatalytic properties of Ag ₂ MoO ₄ microcrystals: Correlation between experimental and theoretical data. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2806-2825	5.9	19
50	A joint experimental and theoretical study on the electronic structure and photoluminescence properties of Al ₂ (WO ₄) ₃ powders. <i>Journal of Molecular Structure</i> , 2015 , 1081, 381-388	3.4	18
49	Synthesis and characterization of metastable Ag ₂ WO ₄ : an experimental and theoretical approach. <i>Dalton Transactions</i> , 2016 , 45, 1185-91	4.3	18
48	Nature of defects for bismuth layered thin films grown on Pt electrodes. <i>Applied Physics Letters</i> , 2007 , 90, 082910	3.4	18
47	Synthesis and characterization of CaBi ₄ Ti ₄ O ₁₅ thin films annealed by microwave and conventional furnaces. <i>Solid State Sciences</i> , 2007 , 9, 756-760	3.4	17
46	Sol-gel synthesis and characterization of Fe ₂ O ₃ - CeO ₂ doped with Pr ceramic pigments. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 47, 38-43	2.3	17
45	Structural investigation and improvement of photoluminescence properties in Ba(Zr _x Ti _{1-x})O ₃ powders synthesized by the solid state reaction method. <i>Materials Chemistry and Physics</i> , 2013 , 142, 70-76	4.4	16

44	Structural refinement, optical and electrical properties of $[\text{Ba}_{1-x}\text{Sm}_{2x/3}](\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 3427-3439	2.1	15
43	Effect of Yttrium Doping in Barium Zirconium Titanate Ceramics: A Structural, Impedance, and Modulus Spectroscopy Study. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 4296-4309	2.3	15
42	NiTiO ₃ nanoparticles encapsulated with SiO ₂ prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 45, 151-155	2.3	15
41	Effect of different synthesis methods on the morphology, optical behavior, and superior photocatalytic performances of Ag ₃ PO ₄ sub-microcrystals using white-light-emitting diodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 377, 14-25	4.7	14
40	Polymyxin use as a risk factor for colonization or infection with polymyxin-resistant <i>Acinetobacter baumannii</i> after liver transplantation. <i>Transplant Infectious Disease</i> , 2014 , 16, 369-78	2.7	14
39	Structural investigation and photoluminescent properties of ZnWO ₄ :Dy ³⁺ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15466-15479	2.1	14
38	Dielectric properties of $\text{Ca}(\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ thin films prepared by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3739-3743	3.3	13
37	Disclosing the electronic structure and optical properties of Ag ₄ V ₂ O ₇ crystals: experimental and theoretical insights. <i>CrystEngComm</i> , 2016 , 18, 6483-6491	3.3	13
36	Reading at exposed surfaces: theoretical insights into photocatalytic activity of ZnWO ₄ , 1005		11
35	Electronic structure, growth mechanism, and sonophotocatalytic properties of sphere-like self-assembled NiWO ₄ nanocrystals. <i>Inorganic Chemistry Communication</i> , 2018 , 98, 34-40	3.1	11
34	Investigation of charge recombination lifetime in WO ₃ films modified with Ag ₀ and Pt ₀ nanoparticles and its influence on photocurrent density. <i>Ionics</i> , 2018 , 24, 3291-3297	2.7	11
33	Structure and electrochemical detection of xenobiotic micro-pollutant hydroquinone using CeO ₂ nanocrystals. <i>RSC Advances</i> , 2015 , 5, 70558-70565	3.7	10
32	Surface-dependent properties of Ag_2WO_4 : a joint experimental and theoretical investigation. <i>Theoretical Chemistry Accounts</i> , 2020 , 139, 1	1.9	10
31	Dielectric properties of pure and lanthanum modified bismuth titanate thin films. <i>Journal of Alloys and Compounds</i> , 2008 , 454, 66-71	5.7	10
30	Structure, microstructure, ferroelectric/electromechanical properties and retention characteristics of $[\text{Bi}_{1-x}\text{Nb}_x]\text{FeO}_3$ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 703-714	2.6	9
29	Effect of the applied potential condition on the photocatalytic properties of Fe ₂ O ₃ WO ₃ heterojunction films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 2851-2862	3.2	9
28	Photocurrent Response and Progesterone Degradation by Employing WO Films Modified with Platinum and Silver Nanoparticles. <i>ChemPlusChem</i> , 2018 , 83, 1153-1161	2.8	9
27	Structure, morphology, and optical properties of $(\text{Ca}_{1-x}\text{Eu}_x)\text{WO}_4$ microcrystals. <i>Electronic Materials Letters</i> , 2015 , 11, 193-197	2.9	8

26	Determination of Ethambutol in Aqueous Medium Using an Inexpensive Gold Microelectrode Array as Amperometric Sensor. <i>Electroanalysis</i> , 2016 , 28, 985-989	3	8
25	Microwave-assisted hydrothermal synthesis of CuWO ₄ -palygorskite nanocomposite for enhanced visible photocatalytic response. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158731	5.7	8
24	Structural and optical properties of ZnS/MgNb ₂ O ₆ heterostructures. <i>Superlattices and Microstructures</i> , 2015 , 79, 180-192	2.8	6
23	Structural and morphological characteristics of (Pb _{1-x} Sr _x)TiO ₃ powders obtained by polymeric precursor method. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 53, 21-29	2.3	6
22	Electronic structure, optical and sonophotocatalytic properties of spindle-like CaWO ₄ microcrystals synthesized by the sonochemical method. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157377	5.7	6
21	Structural characterization, morphology, optical and colorimetric properties of NiWO ₄ crystals synthesized by the co-precipitation and polymeric precursor methods. <i>Journal of Molecular Structure</i> , 2020 , 1221, 128774	3.4	5
20	Electronic Structure, Morphological Aspects, and Photocatalytic Discoloration of Three Organic Dyes with MgWO ₄ Powders Synthesized by the Complex Polymerization Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 2952-2970	3.2	5
19	Effect of metallic Ag growth on the electrical resistance of 3D flower-like Ag ₄ V ₂ O ₇ crystals. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2358-2362	3.8	4
18	Structural Refinement, Morphological Features, Optical Properties, and Adsorption Capacity of Ag ₂ WO ₄ Nanocrystals/SBA-15 Mesoporous on Rhodamine B Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 3626-3645	3.2	4
17	Effect of Zn ²⁺ ions on the structure, morphology and optical properties of CaWO ₄ microcrystals. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 648-654	2.3	4
16	Structure, Morphology Features and Photocatalytic Properties of Ag ₂ WO ₄ Nanocrystals-modified Palygorskite Clay. <i>Journal of Photocatalysis</i> , 2021 , 2, 114-129	0.8	4
15	Structural refinement, morphology and photocatalytic properties of (Ag _{2-x} Zn _x)MoO ₄ microcrystals synthesized by the sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 1322-1344	2.1	4
14	Photoluminescence Properties of Nanocrystals. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-2	3.2	3
13	Dependence of annealing time on structural and morphological properties of Ca(Zr _{0.05} Ti _{0.95})O ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2008 , 453, 386-391	5.7	3
12	Bi ₂ W thin films obtained by chemical solution deposition: Morphological and ferroelectric characteristics. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 326-330	5.7	3
11	Electronic Structure, Morphological Aspects, Optical and Electrochemical Properties of RuO ₂ Nanocrystals. <i>Electronic Materials Letters</i> , 2019 , 15, 645-653	2.9	2
10	Synthesis, Characterization and Photoluminescent Properties of ZrO ₂ Nanocrystals. <i>Materials Science Forum</i> , 2016 , 869, 35-39	0.4	2
9	Effect of sintering parameters using the central composite design method, electronic structure and physical properties of yttria-partially stabilized ZrO ₂ commercial ceramics. <i>Materials Science-Poland</i> , 2017 , 35, 225-238	0.6	1

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