LaÃ©cio S Cavalcante

List of Publications by Year
in descending order

152 papers	8,020 citations	26567 56 h-index	56606 83 g-index
154 all docs	154 docs citations	154 times ranked	6063 citing authors

#	Article	IF	Citations
1	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. Journal of Alloys and Compounds, 2008, 459, 537-542.	2.8	235
2	Effect of Different Solvent Ratios (Water/Ethylene Glycol) on the Growth Process of CaMoO₄ Crystals and Their Optical Properties. Crystal Growth and Design, 2010, 10, 4752-4768.	1.4	204
3	Electronic structure, growth mechanism and photoluminescence of CaWO₄crystals. CrystEngComm, 2012, 14, 853-868.	1.3	200
4	Synthesis, structural refinement and optical behavior of CaTiO3 powders: A comparative study of processing in different furnaces. Chemical Engineering Journal, 2008, 143, 299-307.	6.6	188
5	SrMoO4 powders processed in microwave-hydrothermal: Synthesis, characterization and optical properties. Chemical Engineering Journal, 2008, 140, 632-637.	6.6	187
6	Morphology and Blue Photoluminescence Emission of PbMoO₄ Processed in Conventional Hydrothermal. Journal of Physical Chemistry C, 2009, 113, 5812-5822.	1.5	171
7	Cluster Coordination and Photoluminescence Properties of Î±-Ag₂WO₄ Microcrystals. Inorganic Chemistry, 2012, 51, 10675-10687.	1.9	168
8	Electronic structure and optical properties of BaMoO4 powders. Current Applied Physics, 2010, 10, 614-624.	1.1	150
9	Synthesis, growth process and photoluminescence properties of SrWO4 powders. Journal of Colloid and Interface Science, 2009, 330, 227-236.	5.0	141
10	Experimental and Theoretical Investigations of Electronic Structure and Photoluminescence Properties of Î²-Ag₂MoO₄ Microcrystals. Inorganic Chemistry, 2014, 53, 5589-5599.	1.9	133
11	Strong violetâ€“blue light photoluminescence emission at room temperature in SrZrO3: Joint experimental and theoretical study. Acta Materialia, 2008, 56, 2191-2202.	3.8	132
12	Hierarchical Assembly of CaMoO₄ Nano-Octahedrons and Their Photoluminescence Properties. Journal of Physical Chemistry C, 2011, 115, 5207-5219.	1.5	130
13	Toward an Understanding of the Growth of Ag Filaments on Î±-Ag₂WO₄ and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 1229-1239.	1.5	124
14	Facet-dependent photocatalytic and antibacterial properties of Î±-Ag₂WO₄crystals: combining experimental data and theoretical insights. Catalysis Science and Technology, 2015, 5, 4091-4107.	2.1	123
15	NiTiO3 powders obtained by polymeric precursor method: Synthesis and characterization. Journal of Alloys and Compounds, 2009, 468, 327-332.	2.8	118
16	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO₄. Crystal Growth and Design, 2009, 9, 1002-1012.	1.4	115
17	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. Advanced Powder Technology, 2010, 21, 197-202.	2.0	110
18	Highly intense violet-blue light emission at room temperature in structurally disordered SrZrO3 powders. Applied Physics Letters, 2007, 90, 091906.	1.5	109

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19	A novel ozone gas sensor based on one-dimensional (1D) Î±-Ag₂WO₄ nanostructures. Nanoscale, 2014, 6, 4058-4062.	2.8	105
20	Rietveld refinement, microstructure, conductivity and impedance properties of Ba[Zr0.25Ti0.75]O3 ceramic. Current Applied Physics, 2011, 11, 1282-1293.	1.1	104
21	Structural refinement, optical and microwave dielectric properties of BaZrO3. Ceramics International, 2012, 38, 2129-2138.	2.3	104
22	Direct in situ observation of the electron-driven synthesis of Ag filaments on Î±-Ag2WO4 crystals. Scientific Reports, 2013, 3, 1676.	1.6	103
23	BaMoO4 powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. Journal of Physics and Chemistry of Solids, 2008, 69, 2674-2680.	1.9	100
24	Potentiated Electron Transference in Î±-Ag₂WO₄ Microcrystals with Ag Nanofilaments as Microbial Agent. Journal of Physical Chemistry A, 2014, 118, 5769-5778.	1.1	99
25	Photoluminescence behavior in MgTiO3 powders with vacancy/distorted clusters and octahedral tilting. Materials Chemistry and Physics, 2009, 117, 192-198.	2.0	96
26	Optical and dielectric relaxor behaviour of Ba(Zr_{0.25}Ti_{0.75})O₃ceramic explained by means of distorted clusters. Journal Physics D: Applied Physics, 2009, 42, 175414.	1.3	93
27	Photoluminescent behavior of BaWO4 powders processed in microwave-hydrothermal. Journal of Alloys and Compounds, 2009, 474, 195-200.	2.8	92
28	Growth mechanism and photocatalytic properties of SrWO4 microcrystals synthesized by injection of ions into a hot aqueous solution. Advanced Powder Technology, 2013, 24, 344-353.	2.0	89
29	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO3 powders. Journal of Applied Physics, 2008, 103, .	1.1	84
30	Structure and optical properties of [Ba1â€“xY2x/3](Zr0.25Ti0.75)O3 powders. Solid State Sciences, 2010, 12, 1160-1167.	1.5	84
31	Presence of excited electronic state in CaWO4 crystals provoked by a tetrahedral distortion: An experimental and theoretical investigation. Journal of Applied Physics, 2011, 110, .	1.1	84
32	A combined theoretical and experimental study of electronic structure and optical properties of Î²-ZnMoO4 microcrystals. Polyhedron, 2013, 54, 13-25.	1.0	83
33	Microstructure, dielectric properties and optical band gap control on the photoluminescence behavior of Ba[Zr0.25Ti0.75]O3 thin films. Journal of Sol-Gel Science and Technology, 2009, 49, 35-46.	1.1	81
34	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. Ceramics International, 2014, 40, 4445-4453.	2.3	81
35	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. Materials Research Bulletin, 2008, 43, 771-775.	2.7	79
36	Structural refinement, growth process, photoluminescence and photocatalytic properties of (Ba1-xPr2x/3)WO4 crystals synthesized by the coprecipitation method. RSC Advances, 2012, 2, 6438.	1.7	79

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37	Rietveld refinement, cluster modelling, growth mechanism and photoluminescence properties of CaWO₄:Eu³⁺microcrystals. CrystEngComm, 2015, 17, 1654-1666.	1.3	77
38	Growth mechanism of octahedron-like BaMoO4 microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. Particuology, 2009, 7, 353-362.	2.0	76
39	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO₄ Crystals. Journal of Physical Chemistry C, 2011, 115, 20113-20119.	1.5	73
40	Structure, ferroelectric/magnetoelectric properties and leakage current density of (Bi0.85Nd0.15)FeO3 thin films. Journal of Alloys and Compounds, 2011, 509, 5326-5335.	2.8	73
41	Structure, microstructure and dielectric properties of 100â^'x(Bi0.5Na0.5)TiO3â^'x[SrTiO3] composites ceramics. Applied Physics A: Materials Science and Processing, 2012, 109, 715-723.	1.1	71
42	Rietveld refinement and optical properties of SrWO4:Eu3+ powders prepared by the non-hydrolytic sol-gel method. Journal of Rare Earths, 2015, 33, 113-128.	2.5	71
43	First principles calculations on the origin of violet-blue and green light photoluminescence emission in SrZrO3 and SrTiO3 perovskites. Theoretical Chemistry Accounts, 2009, 124, 385-394.	0.5	69
44	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. Journal of Alloys and Compounds, 2009, 471, 253-258.	2.8	69
45	Facile synthesis of ZnS/MnS nanocomposites for supercapacitor applications. Journal of Solid State Electrochemistry, 2018, 22, 303-313.	1.2	69
46	Î²-ZnMoO4 microcrystals synthesized by the surfactant-assisted hydrothermal method: Growth process and photoluminescence properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 396, 346-351.	2.3	66
47	Acetone gas sensor based on Î±-Ag2WO4 nanorods obtained via a microwave-assisted hydrothermal route. Journal of Alloys and Compounds, 2016, 683, 186-190.	2.8	66
48	Morphology and Photoluminescence of HfO2Obtained by Microwave-Hydrothermal. Nanoscale Research Letters, 2009, 4, 1371-1379.	3.1	65
49	Soft chemical deposition of BiFeO3 multiferroic thin films. Applied Physics Letters, 2007, 90, 052906.	1.5	63
50	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO4 crystals. Polyhedron, 2013, 50, 532-545.	1.0	63
51	Intense visible photoluminescence in Ba(Zr0.25Ti0.75)O3 thin films. Applied Physics Letters, 2007, 90, 011901.	1.5	61
52	Understanding the origin of photoluminescence in disordered Ca0.60Sr0.40WO4: An experimental and first-principles study. Chemical Physics, 2007, 334, 180-188.	0.9	60
53	Structural evolution, growth mechanism and photoluminescence properties of CuWO4 nanocrystals. Ultrasonics Sonochemistry, 2017, 38, 256-270.	3.8	60
54	Ferroelectric characteristics of BiFeO3 thin films prepared via a simple chemical solution deposition. Journal of Applied Physics, 2007, 101, 074108.	1.1	57

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55	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O3 thin films. Acta Materialia, 2007, 55, 6416-6426.	3.8	57
56	Facile preparation of CuWO4 porous films and their photoelectrochemical properties. Electrochimica Acta, 2017, 256, 139-145.	2.6	57
57	Influence of microwave energy on structural and photoluminescent behavior of CaTiO3 powders. Solid State Sciences, 2008, 10, 1056-1061.	1.5	56
58	Reflux synthesis and hydrothermal processing of ZrO2 nanopowders at low temperature. Materials Chemistry and Physics, 2009, 117, 455-459.	2.0	56
59	Synthesis, characterization, structural refinement and optical absorption behavior of PbWO4 powders. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 150, 18-25.	1.7	55
60	Synthesis, growth mechanism, optical properties and catalytic activity of ZnO microcrystals obtained via hydrothermal processing. RSC Advances, 2017, 7, 24263-24281.	1.7	55
61	Morphotropic phase boundary and electrical properties of 1â^'x[Bi0.5Na0.5]TiO3 â€“xBa[Zr0.25Ti0.75]O3 lead-free piezoelectric ceramics. Ceramics International, 2013, 39, 4877-4886.	2.3	53
62	Intense violetâ€“blue photoluminescence in BaZrO3 powders: A theoretical and experimental investigation of structural orderâ€“disorder. Optics Communications, 2008, 281, 3715-3720.	1.0	52
63	Improvement of fatigue resistance on La modified BiFeO3 thin films. Current Applied Physics, 2009, 9, 520-523.	1.1	52
64	Anatase TiO2 nanocrystals anchored at inside of SBA-15 mesopores and their optical behavior. Applied Surface Science, 2016, 389, 1137-1147.	3.1	50
65	Rietveld refinement, morphology and optical properties of (Ba_{1â^'x}Sr_x)MoO₄crystals. Journal of Applied Crystallography, 2013, 46, 1434-1446.	1.9	49
66	Synthesis of (Ca,Nd)TiO3 powders by complex polymerization, Rietveld refinement and optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1050-1059.	2.0	48
67	SrZrO3 powders obtained by chemical method: Synthesis, characterization and optical absorption behaviour. Solid State Sciences, 2007, 9, 1020-1027.	1.5	47
68	Ferroelectric and dielectric properties of vanadium-doped Ba(Ti0.90Zr0.10)O3 ceramics. Journal of Alloys and Compounds, 2008, 466, L15-L18.	2.8	47
69	Synthesis and photoluminescence behavior of Bi4Ti3O12 powders obtained by the complex polymerization method. Journal of Alloys and Compounds, 2009, 478, 661-670.	2.8	47
70	Structural and dielectric relaxor properties of yttrium-doped Ba(Zr0.25Ti0.75)O3 ceramics. Materials Chemistry and Physics, 2010, 121, 147-153.	2.0	47
71	Photoluminescence property of powders prepared by solid state reaction and polymeric precursor method. Physica B: Condensed Matter, 2009, 404, 3341-3347.	1.3	44
72	Structural, morphological and optical investigation of Î²-Ag₂MoO₄ microcrystals obtained with different polar solvents. CrystEngComm, 2015, 17, 8207-8211.	1.3	44

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73	Improving the ozone gas-sensing properties of CuWO4 nanoparticles. Journal of Alloys and Compounds, 2018, 748, 411-417.	2.8	44
74	Structural and dielectric properties of polyvinyl alcohol/barium zirconium titanate polymerâ€“ceramic composite. Current Applied Physics, 2013, 13, 1490-1495.	1.1	43
75	Structural refinement, optical and ferroelectric properties of microcrystalline Ba(Zr0.05Ti0.95)O3 perovskite. Current Applied Physics, 2014, 14, 708-715.	1.1	43
76	Structural Refinement and Photoluminescence Properties of MnWO4 Nanorods Obtained by Microwave-Hydrothermal Synthesis. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 264-271.	1.9	41
77	Domestic microwave oven adapted for fast heat treatment of Ba0.5Sr0.5(Ti0.8Sn0.2)O3 powders. Journal of Materials Processing Technology, 2007, 189, 316-319.	3.1	40
78	The role of structural orderâ€“disorder for visible intense photoluminescence in the BaZr0.5Ti0.5O3 thin films. Chemical Physics, 2005, 316, 260-266.	0.9	38
79	Effect of different surfactants on the shape, growth and photoluminescence behavior of MnWO4 crystals synthesized by the microwave-hydrothermal method. Advanced Powder Technology, 2012, 23, 124-128.	2.0	35
80	Photoluminescent behavior of SrBi2Nb2O9 powders explained by means of Î²-Bi2O3 phase. Applied Physics Letters, 2007, 90, 261913.	1.5	34
81	A new processing method of CaZn2(OH)6Â·2H2O powders: Photoluminescence and growth mechanism. Solid State Sciences, 2009, 11, 2173-2179.	1.5	34
82	Structural and dielectric properties of Ba0.5Sr0.5(SnxTi1â^'x)O3 ceramics obtained by the soft chemical method. Journal of Alloys and Compounds, 2009, 477, 877-882.	2.8	33
83	Hydrothermal synthesis, structural characterization and photocatalytic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î²</mml:mi></mml:math>-Ag2MoO4 microcrystals: Correlation between experimental and theoretical data. Arabian Journal of Chemistry, 2020, 13, 2806-2825.	2.3	33
84	Effect of partial preferential orientation and distortions in octahedral clusters on the photoluminescence properties of FeWO4 nanocrystals. CrystEngComm, 2012, 14, 7127.	1.3	31
85	Local electronic structure, optical bandgap and photoluminescence (PL) properties of Ba(Zr0.75Ti0.25)O3 powders. Materials Science in Semiconductor Processing, 2013, 16, 1035-1045.	1.9	31
86	Temperature dependence of dielectric properties for Ba(Zr0.25Ti0.75)O3 thin films obtained from the soft chemical method. Materials Chemistry and Physics, 2007, 105, 293-297.	2.0	30
87	Structural refinement, Raman spectroscopy, optical and electrical properties of (Ba1â^'xSrx)MoO4 ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 8319-8335.	1.1	30
88	Electronic structure, growth mechanism, and sonophotocatalytic properties of sphere-like self-assembled NiWO4 nanocrystals. Inorganic Chemistry Communication, 2018, 98, 34-40.	1.8	29
89	Effect of different synthesis methods on the morphology, optical behavior, and superior photocatalytic performances of Ag3PO4 sub-microcrystals using white-light-emitting diodes. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 377, 14-25.	2.0	29
90	Microwave-assisted hydrothermal synthesis of CuWO4-palygorskite nanocomposite for enhanced visible photocatalytic response. Journal of Alloys and Compounds, 2021, 863, 158731.	2.8	29

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91	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr0.25Ti0.75]O3 powders: An experimental/theoretical correlation. Journal of Physics and Chemistry of Solids, 2008, 69, 1782-1789.	1.9	27
92	Strain and vacancy cluster behavior of vanadium and tungsten-doped Ba[Zr0.10Ti0.90]O3 ceramics. Applied Physics Letters, 2008, 92, .	1.5	27
93	Electronic structure and magnetic properties of FeWO4 nanocrystals synthesized by the microwave-hydrothermal method. Materials Characterization, 2012, 73, 124-129.	1.9	26
94	Effect of different strontium precursors on the growth process and optical properties of SrWO4 microcrystals. Journal of Materials Science, 2015, 50, 8089-8103.	1.7	26
95	Ferroelectric and dielectric properties of thin films grown by the soft chemical method. Journal of Solid State Chemistry, 2006, 179, 2972-2976.	1.4	25
96	Ferroelectric fatigue endurance of Bi4â˜'xLaxTi3O12 thin films explained in terms of x-ray photoelectron spectroscopy. Journal of Applied Physics, 2007, 101, 084112.	1.1	25
97	Impact of oxygen atmosphere on piezoelectric properties of CaBi2Nb2O9 thin films. Acta Materialia, 2007, 55, 4707-4712.	3.8	25
98	Ferroelectric and dielectric behaviour of Bi0.92La0.08FeO3 multiferroic thin films prepared by soft chemistry route. Journal of Sol-Gel Science and Technology, 2007, 44, 269-273.	1.1	25
99	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O3 powders. Journal of Alloys and Compounds, 2008, 464, 340-346.	2.8	25
100	Effect of Yttrium Doping in Barium Zirconium Titanate Ceramics: A Structural, Impedance, and Modulus Spectroscopy Study. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4296-4309.	1.1	25
101	Size effects of polycrystalline lanthanum modified Bi4Ti3O12 thin films. Materials Research Bulletin, 2008, 43, 158-167.	2.7	24
102	Structural refinement and photoluminescence properties of irregular cube-like (Ca1â˜'xCux)TiO3 microcrystals synthesized by the microwaveâ€"hydrothermal method. Materials Chemistry and Physics, 2012, 136, 130-139.	2.0	24
103	Synthesis and characterization of metastable Î²-Ag₂WO₄: an experimental and theoretical approach. Dalton Transactions, 2016, 45, 1185-1191.	1.6	24
104	(Sr,Tm)ZrO3 powders prepared by the polymeric precursor method: Synthesis, optical properties and morphological characteristics. Optical Materials, 2009, 31, 1134-1143.	1.7	23
105	A joint experimental and theoretical study on the electronic structure and photoluminescence properties of Al2(WO4)3 powders. Journal of Molecular Structure, 2015, 1081, 381-388.	1.8	22
106	Structural characterization, morphology, optical and colorimetric properties of NiWO4 crystals synthesized by the co-precipitation and polymeric precursor methods. Journal of Molecular Structure, 2020, 1221, 128774.	1.8	22
107	Effect of annealing time on morphological characteristics of Ba(Zr,Ti)O3 thin films. Journal of Alloys and Compounds, 2007, 437, 269-273.	2.8	21
108	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO4 microcrystals. Materials Science in Semiconductor Processing, 2014, 26, 425-430.	1.9	21

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109	Reading at exposed surfaces: theoretical insights into photocatalytic activity of ZnWO4. , 0, 1, 1005.		20
110	Nature of defects for bismuth layered thin films grown on Pt electrodes. Applied Physics Letters, 2007, 90, 082910.	1.5	19
111	Synthesis and characterization of CaBi4Ti4O15 thin films annealed by microwave and conventional furnaces. Solid State Sciences, 2007, 9, 756-760.	1.5	19
112	Structural refinement, optical and electrical properties of [Ba1â˜'x Sm2x/3](Zr0.05Ti0.95)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 3427-3439.	1.1	19
113	Photocurrent Response and Progesterone Degradation by Employing WO₃ Films Modified with Platinum and Silver Nanoparticles. ChemPlusChem, 2018, 83, 1153-1161.	1.3	19
114	Surface-dependent properties of Î±-Ag2WO4: a joint experimental and theoretical investigation. Theoretical Chemistry Accounts, 2020, 139, 1.	0.5	19
115	NiTiO3 nanoparticles encapsulated with SiO2 prepared by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2008, 45, 151-155.	1.1	18
116	Structural investigation and photoluminescent properties of ZnWO4:Dy3+ nanocrystals. Journal of Materials Science: Materials in Electronics, 2017, 28, 15466-15479.	1.1	18
117	Effect of the applied potential condition on the photocatalytic properties of Fe2O3 | WO3 heterojunction films. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2851-2862.	1.9	18
118	Solâ€“gel synthesis and characterization of Fe2O3ÂÂ·ÂCeO2 doped with Pr ceramic pigments. Journal of Sol-Gel Science and Technology, 2008, 47, 38-43.	1.1	17
119	Structural investigation and improvement of photoluminescence properties in Ba(ZrxTi1â˜'x)O3 powders synthesized by the solid state reaction method. Materials Chemistry and Physics, 2013, 142, 70-76.	2.0	17
120	Investigation of charge recombination lifetime in Î³-WO3 films modified with Ag0 and Pt0 nanoparticles and its influence on photocurrent density. Ionics, 2018, 24, 3291-3297.	1.2	17
121	Polymyxin use as a risk factor for colonization or infection with polymyxinâ€resistant <scp>A</scp>cinetobacter baumannii after liver transplantation. Transplant Infectious Disease, 2014, 16, 369-378.	0.7	15
122	Disclosing the electronic structure and optical properties of Ag₄V₂O₇crystals: experimental and theoretical insights. CrystEngComm, 2016, 18, 6483-6491.	1.3	15
123	Dielectric properties of Ca(Zr0.05Ti0.95)O3 thin films prepared by chemical solution deposition. Journal of Solid State Chemistry, 2006, 179, 3739-3743.	1.4	14
124	Electronic structure, optical and sonophotocatalytic properties of spindle-like CaWO4 microcrystals synthesized by the sonochemical method. Journal of Alloys and Compounds, 2021, 855, 157377.	2.8	14
125	Structural refinement, morphology and photocatalytic properties of Î²-(Ag2â˜'2xZnx)MoO4 microcrystals synthesized by the sonochemical method. Journal of Materials Science: Materials in Electronics, 2019, 30, 1322-1344.	1.1	12
126	Dielectric properties of pure and lanthanum modified bismuth titanate thin films. Journal of Alloys and Compounds, 2008, 454, 66-71.	2.8	11

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127	Structure, microstructure, ferroelectric/electromechanical properties and retention characteristics of [Bi1â^'x Nb x]FeO3 thin films. Applied Physics A: Materials Science and Processing, 2012, 109, 703-714.	1.1	11
128	Structure, morphology, and optical properties of (Ca1â^'3x Eu2x)WO4 microcrystals. Electronic Materials Letters, 2015, 11, 193-197.	1.0	11
129	Structure and electrochemical detection of xenobiotic micro-pollutant hydroquinone using CeO₂ nanocrystals. RSC Advances, 2015, 5, 70558-70565.	1.7	11
130	Electronic Structure, Morphological Aspects, and Photocatalytic Discoloration of Three Organic Dyes with MgWO4 Powders Synthesized by the Complex Polymerization Method. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2952-2970.	1.9	11
131	CuWO4 | MnWO4 heterojunction thin film with improved photoelectrochemical and photocatalytic properties using simulated solar irradiation. Journal of Solid State Electrochemistry, 2022, 26, 997-1011.	1.2	11
132	Determination of Ethambutol in Aqueous Medium Using an Inexpensive Gold Microelectrode Array as Amperometric Sensor. Electroanalysis, 2016, 28, 985-989.	1.5	10
133	Structural Refinement, Morphological Features, Optical Properties, and Adsorption Capacity of Î±-Ag2WO4 Nanocrystals/SBA-15 Mesoporous on Rhodamine B Dye. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3626-3645.	1.9	9
134	Structure, Morphology Features and Photocatalytic Properties of Î±-Ag2WO4 Nanocrystals-modified Palygorskite Clay. Journal of Photocatalysis, 2021, 2, 114-129.	0.4	9
135	TiO2-based dye-sensitized solar cells prepared with bixin and norbixin natural dyes: Effect of 2,2â€™-bipyridine additive on the current and voltage. Optik, 2020, 218, 165236.	1.4	8
136	Investigation of electronic structure, morphological features, optical, colorimetric, and supercapacitor electrode properties of CoWO4 crystals. Materials Science for Energy Technologies, 2022, 5, 125-144.	1.0	8
137	Structural and morphological characteristics of (Pb1â^'x Sr x)TiO3 powders obtained by polymeric precursor method. Journal of Sol-Gel Science and Technology, 2010, 53, 21-29.	1.1	7
138	Effect of Zn2+ ions on the structure, morphology and optical properties of CaWO4 microcrystals. Journal of Sol-Gel Science and Technology, 2014, 72, 648-654.	1.1	7
139	Structural and optical properties of ZnS/MgNb2O6 heterostructures. Superlattices and Microstructures, 2015, 79, 180-192.	1.4	6
140	Dependence of annealing time on structural and morphological properties of Ca(Zr0.05Ti0.95)O3 thin films. Journal of Alloys and Compounds, 2008, 453, 386-391.	2.8	5
141	Electronic Structure, Morphological Aspects, Optical and Electrochemical Properties of RuO2 Nanocrystals. Electronic Materials Letters, 2019, 15, 645-653.	1.0	5
142	Photoluminescence Properties of Nanocrystals. Journal of Nanomaterials, 2012, 2012, 1-2.	1.5	4
143	Effect of metallic Ag growth on the electrical resistance of 3D flowerâ€like Ag₄V₂O₇ crystals. Journal of the American Ceramic Society, 2017, 100, 2358-2362.	1.9	4
144	:W thin films obtained by chemical solution deposition: Morphological and ferroelectric characteristics. Journal of Alloys and Compounds, 2008, 461, 326-330.	2.8	3

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145	Synthesis, Characterization and Photoluminescent Properties of ZrO₂ Nanocrystals. Materials Science Forum, 2016, 869, 35-39.	0.3	2
146	An investigation of photovoltaic devices based onpâ€type<scp>Cu₂O</scp>andnâ€type<scp>Î³â€WO₃</scp>junction through an electrolyte solution containing a redox pair. International Journal of Energy Research, 2021, 45, 2797-2809.	2.2	2
147	Phytochemical, physicochemical, microbiological study and anticholinesterase activity of Ginkgo biloba L. and Bacopa monnieri L. used in phytotherapy. Research, Society and Development, 2021, 10, e39010313480.	0.0	2
148	Structural Refinement, Morphological Features, and Optical, Photo- and Sonophotocatalytic Properties of (Ca1-xSrx)WO4 Synthesized by the Sonochemical Method. Journal of Photocatalysis, 2021, 2, 147-164.	0.4	2
149	Morphology and Optical Properties of SrWO4 Powders Synthesized by the Coprecipitation and Polymeric Precursor Methods. , 2017, , 131-154.		2
150	Effect of sintering parameters using the central composite design method, electronic structure and physical properties of yttria-partially stabilized ZrO₂ commercial ceramics. Materials Science-Poland, 2017, 35, 225-238.	0.4	1
151	Effect of plasma nitriding time on the structural and mechanical properties of AISIâ€O1 steel. Engineering Reports, 2020, 2, e12279.	0.9	1
152	Effect of the pH pre-adjustment on the formation of In2W3O12 and In6WO12 powders: Cluster coordination and optical band gap. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 59, 2-14.	0.9	0