

Elson Longo

List of Publications by Year in descending order

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1,381
papers

42,075
citations

3919

88
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16127

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1393
all docs

1393
docs citations

1393
times ranked

31997
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance of constant phase element (CPE)-blocked diffusion in film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 452, 229-234.	1.9	396
2	A New Method to Control Particle Size and Particle Size Distribution of SnO ₂ Nanoparticles for Gas Sensor Applications. <i>Advanced Materials</i> , 2000, 12, 965-968.	11.1	352
3	A new SnO ₂ -based varistor system. <i>Journal of Materials Science Letters</i> , 1995, 14, 692.	0.5	272
4	Crystal growth in colloidal tin oxide nanocrystals induced by coalescence at room temperature. <i>Applied Physics Letters</i> , 2003, 83, 1566-1568.	1.5	257
5	Effect of the ZrO ₂ phase on the structure and behavior of supported Cu catalysts for ethanol conversion. <i>Journal of Catalysis</i> , 2013, 307, 1-17.	3.1	255
6	The Role of Hierarchical Morphologies in the Superior Gas Sensing Performance of CuO-Based Chemiresistors. <i>Advanced Functional Materials</i> , 2013, 23, 1759-1766.	7.8	255
7	SnO ₂ , ZnO and related polycrystalline compound semiconductors: An overview and review on the voltage-dependent resistance (non-ohmic) feature. <i>Journal of the European Ceramic Society</i> , 2008, 28, 505-529.	2.8	252
8	Photoluminescence in quantum-confined SnO ₂ nanocrystals: Evidence of free exciton decay. <i>Applied Physics Letters</i> , 2004, 84, 1745-1747.	1.5	237
9	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. <i>Journal of Alloys and Compounds</i> , 2008, 459, 537-542.	2.8	235
10	Structural characterization of phase transition of Al ₂ O ₃ nanopowders obtained by polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2007, 103, 394-399.	2.0	216
11	Superparamagnetism and magnetic properties of Ni nanoparticles embedded in SiO ₂ . <i>Physical Review B</i> , 2002, 66, .	1.1	210
12	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. <i>Materials Letters</i> , 2008, 62, 4509-4511.	1.3	206
13	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.	1.4	204
14	Oriented Attachment: An Effective Mechanism in the Formation of Anisotropic Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20842-20846.	1.2	201
15	Electronic structure, growth mechanism and photoluminescence of CaWO ₄ crystals. <i>CrystEngComm</i> , 2012, 14, 853-868.	1.3	200
16	Structural and optical properties of CaTiO ₃ perovskite-based materials obtained by microwave-assisted hydrothermal synthesis: An experimental and theoretical insight. <i>Acta Materialia</i> , 2009, 57, 5174-5185.	3.8	194
17	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.	6.6	188
18	SrMoO ₄ powders processed in microwave-hydrothermal: Synthesis, characterization and optical properties. <i>Chemical Engineering Journal</i> , 2008, 140, 632-637.	6.6	187

#	ARTICLE	IF	CITATIONS
19	Production of biodiesel by esterification of palmitic acid over mesoporous aluminosilicate Al-MCM-41. Fuel, 2009, 88, 461-468.	3.4	187
20	Photoluminescence of disordered ABO ₃ perovskites. Applied Physics Letters, 2000, 77, 824-826.	1.5	171
21	Morphology and Blue Photoluminescence Emission of PbMoO ₄ Processed in Conventional Hydrothermal. Journal of Physical Chemistry C, 2009, 113, 5812-5822.	1.5	171
22	Effect of Cobalt(II) Oxide and Manganese(IV) Oxide on Sintering of Tin(IV) Oxide. Journal of the American Ceramic Society, 1996, 79, 799-804.	1.9	170
23	Cluster Coordination and Photoluminescence Properties of Ag_2WO_4 Microcrystals. Inorganic Chemistry, 2012, 51, 10675-10687.	1.9	168
24	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO ₃ Nanoparticles. Chemistry of Materials, 2008, 20, 5381-5387.	3.2	166
25	Role of oxygen at the grain boundary of metal oxide varistors: A potential barrier formation mechanism. Applied Physics Letters, 2001, 79, 48-50.	1.5	163
26	A Kinetic Model to Describe Nanocrystal Growth by the Oriented Attachment Mechanism. ChemPhysChem, 2005, 6, 690-696.	1.0	155
27	Investigation of the electrical properties of SnO ₂ varistor system using impedance spectroscopy. Journal of Applied Physics, 1998, 84, 3700-3705.	1.1	150
28	Electronic structure and optical properties of BaMoO ₄ powders. Current Applied Physics, 2010, 10, 614-624.	1.1	150
29	Dielectric and ferroelectric characteristics of barium zirconate titanate ceramics prepared from mixed oxide method. Journal of Alloys and Compounds, 2008, 462, 129-134.	2.8	146
30	Structural conditions that leads to photoluminescence emission in SrTiO ₃ : An experimental and theoretical approach. Journal of Applied Physics, 2008, 104, .	1.1	143
31	A polaronic stacking fault defect model for CaCu ₃ Ti ₄ O ₁₂ material: an approach for the origin of the huge dielectric constant and semiconducting coexistent features. Journal Physics D: Applied Physics, 2009, 42, 055404.	1.3	143
32	Effects of the postannealing atmosphere on the dielectric properties of (Ba, Sr)TiO ₃ capacitors: Evidence of an interfacial space charge layer. Applied Physics Letters, 2000, 76, 2433-2435.	1.5	141
33	Synthesis, growth process and photoluminescence properties of SrWO ₄ powders. Journal of Colloid and Interface Science, 2009, 330, 227-236.	5.0	141
34	Reaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acid. Chemistry of Materials, 2008, 20, 143-150.	3.2	140
35	Photoluminescence of SrTiO ₃ : Influence of Particle Size and Morphology. Crystal Growth and Design, 2012, 12, 5671-5679.	1.4	138
36	Development of Metal Oxide Nanoparticles with High Stability Against Particle Growth Using a Metastable Solid Solution. Advanced Materials, 2002, 14, 905.	11.1	133

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37	Experimental and Theoretical Investigations of Electronic Structure and Photoluminescence Properties of $\text{I}^2\text{-Ag}_2\text{MoO}_4$ Microcrystals. <i>Inorganic Chemistry</i> , 2014, 53, 5589-5599.	1.9	133
38	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.	3.8	132
39	Hierarchical Assembly of CaMoO_4 Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5207-5219.	1.5	130
40	Title is missing!. <i>Journal of Materials Science Letters</i> , 1997, 16, 634-638.	0.5	127
41	Synthesis and characterization of spinel pigment CaFe_2O_4 obtained by the polymeric precursor method. <i>Materials Letters</i> , 2004, 58, 569-572.	1.3	127
42	Toward an Understanding of the Growth of Ag Filaments on $\text{I}^2\text{-Ag}_2\text{WO}_4$ and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1229-1239.	1.5	124
43	Facet-dependent photocatalytic and antibacterial properties of $\text{I}^2\text{-Ag}_2\text{WO}_4$ crystals: combining experimental data and theoretical insights. <i>Catalysis Science and Technology</i> , 2015, 5, 4091-4107.	2.1	123
44	Pore size evolution during sintering of ceramic oxides. <i>Ceramics International</i> , 1990, 16, 177-189.	2.3	121
45	Experimental and Theoretical Study on the Structure, Optical Properties, and Growth of Metallic Silver Nanostructures in Ag_3PO_4 . <i>Journal of Physical Chemistry C</i> , 2015, 119, 6293-6306.	1.5	120
46	NiTiO_3 powders obtained by polymeric precursor method: Synthesis and characterization. <i>Journal of Alloys and Compounds</i> , 2009, 468, 327-332.	2.8	118
47	The influence of the film thickness of nanostructured $\text{I}^2\text{-Fe}_2\text{O}_3$ on water photooxidation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1215.	1.3	116
48	Thermodynamic argument about SnO_2 nanoribbon growth. <i>Applied Physics Letters</i> , 2003, 83, 635-637.	1.5	115
49	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO_4 . <i>Crystal Growth and Design</i> , 2009, 9, 1002-1012.	1.4	115
50	Different Origins of Green-Light Photoluminescence Emission in Structurally Ordered and Disordered Powders of Calcium Molybdate. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8920-8928.	1.1	112
51	Photoluminescent BaMoO_4 nanopowders prepared by complex polymerization method (CPM). <i>Journal of Solid State Chemistry</i> , 2006, 179, 671-678.	1.4	111
52	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. <i>Advanced Powder Technology</i> , 2010, 21, 197-202.	2.0	110
53	Highly intense violet-blue light emission at room temperature in structurally disordered SrZrO_3 powders. <i>Applied Physics Letters</i> , 2007, 90, 091906.	1.5	109
54	Efficient microwave-assisted hydrothermal synthesis of CuO sea urchin-like architectures via a mesoscale self-assembly. <i>CrystEngComm</i> , 2010, 12, 1696.	1.3	109

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55	CeO ₂ nanoparticles synthesized by a microwave-assisted hydrothermal method: evolution from nanospheres to nanorods. <i>CrystEngComm</i> , 2012, 14, 1150-1154.	1.3	108
56	UV-enhanced ozone gas sensing response of ZnO-SnO ₂ heterojunctions at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 573-579.	4.0	108
57	Synthesis of wurtzite ZnS nanoparticles using the microwave assisted solvothermal method. <i>Journal of Alloys and Compounds</i> , 2013, 556, 153-159.	2.8	105
58	A novel ozone gas sensor based on one-dimensional (1D) Ag_2WO_4 nanostructures. <i>Nanoscale</i> , 2014, 6, 4058-4062.	2.8	105
59	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.	1.1	104
60	Structural refinement, optical and microwave dielectric properties of BaZrO ₃ . <i>Ceramics International</i> , 2012, 38, 2129-2138.	2.3	104
61	Room-temperature photoluminescence of BaTiO ₃ : joint experimental and theoretical study. <i>Physical Review B</i> , 2005, 71, .	1.1	103
62	Room temperature co-precipitation of nanocrystalline CeO ₂ and Ce _{0.8} Gd _{0.2} O _{1.9} powder. <i>Materials Letters</i> , 2007, 61, 1904-1907.	1.3	103
63	Direct in situ observation of the electron-driven synthesis of Ag filaments on Ag_2WO_4 crystals. <i>Scientific Reports</i> , 2013, 3, 1676.	1.6	103
64	ZnWO ₄ nanocrystals: synthesis, morphology, photoluminescence and photocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1923-1937.	1.3	103
65	Microstructure and electric properties of a SnO ₂ based varistor. <i>Ceramics International</i> , 1999, 25, 1-6.	2.3	102
66	Preparation, structural and optical characterization of BaWO ₄ and PbWO ₄ thin films prepared by a chemical route. <i>Journal of the European Ceramic Society</i> , 2003, 23, 3001-3007.	2.8	102
67	Periodic study on the structural and electronic properties of bulk, oxidized and reduced SnO ₂ (1 1 0) surfaces and the interaction with O ₂ . <i>Surface Science</i> , 2002, 511, 408-420.	0.8	100
68	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.	1.9	100
69	Site-selective ethanol conversion over supported copper catalysts. <i>Catalysis Communications</i> , 2012, 26, 122-126.	1.6	100
70	Zinc blende versus wurtzite ZnS nanoparticles: control of the phase and optical properties by tetrabutylammonium hydroxide. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20127-20137.	1.3	100
71	Nature of the Schottky-type barrier of highly dense SnO ₂ systems displaying nonohmic behavior. <i>Journal of Applied Physics</i> , 2000, 88, 6545-6548.	1.1	99
72	Microstructural and optical characterization of CaWO ₄ and SrWO ₄ thin films prepared by a chemical solution method. <i>Materials Letters</i> , 2004, 58, 727-732.	1.3	99

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73	Influence of Microwave Heating on the Growth of Gadolinium-Doped Cerium Oxide Nanorods. <i>Crystal Growth and Design</i> , 2008, 8, 384-386.	1.4	99
74	Potential Electron Transference in Ag_2WO_4 Microcrystals with Ag Nanofilaments as Microbial Agent. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5769-5778.	1.1	99
75	Structural and electronic analysis of the atomic scale nucleation of Ag on Ag_2WO_4 induced by electron irradiation. <i>Scientific Reports</i> , 2014, 4, 5391.	1.6	99
76	Density functional theory calculation of the electronic structure of $\text{Ba}_0.5\text{Sr}_0.5\text{TiO}_3$: Photoluminescent properties and structural disorder. <i>Physical Review B</i> , 2004, 69, .	1.1	98
77	Non-Ohmic and dielectric properties of a $\text{Ca}_2\text{Cu}_2\text{Ti}_4\text{O}_{12}$ polycrystalline system. <i>Applied Physics Letters</i> , 2006, 89, 212102.	1.5	98
78	Mechanisms behind blue, green, and red photoluminescence emissions in CaWO_4 and CaMoO_4 powders. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	97
79	Reuse of sugarcane bagasse ash (SCBA) to produce ceramic materials. <i>Journal of Environmental Management</i> , 2011, 92, 2774-2780.	3.8	97
80	Photoluminescence behavior in MgTiO_3 powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , 2009, 117, 192-198.	2.0	96
81	A relationship between structural and electronic order-disorder effects and optical properties in crystalline TiO_2 nanomaterials. <i>Dalton Transactions</i> , 2015, 44, 3159-3175.	1.6	96
82	Sintering of ultrafine undoped SnO_2 powder. <i>Journal of the European Ceramic Society</i> , 2001, 21, 669-675.	2.8	95
83	Optical and dielectric relaxor behaviour of $\text{Ba}(\text{Zr}_{0.25}\text{Ti}_{0.75})\text{O}_3$ ceramic explained by means of distorted clusters. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175414.	1.3	93
84	Photoluminescent behavior of BaWO_4 powders processed in microwave-hydrothermal. <i>Journal of Alloys and Compounds</i> , 2009, 474, 195-200.	2.8	92
85	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. <i>Solid State Ionics</i> , 2010, 181, 775-780.	1.3	92
86	Photoluminescence at room temperature in amorphous SrTiO_3 thin films obtained by chemical solution deposition. <i>Materials Chemistry and Physics</i> , 2003, 77, 598-602.	2.0	91
87	Long-range and short-range structures of cube-like shape SrTiO_3 powders: microwave-assisted hydrothermal synthesis and photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12386.	1.3	91
88	Structural and spectroscopic analysis of $\text{-Al}_2\text{O}_3$ to $\text{-Al}_2\text{O}_3\text{-CoAl}_2\text{O}_4$ phase transition. <i>Materials Chemistry and Physics</i> , 2006, 97, 102-108.	2.0	90
89	New strategies in the preparation of exfoliated thermoplastic starch-montmorillonite nanocomposites. <i>Industrial Crops and Products</i> , 2011, 34, 1502-1508.	2.5	90
90	Preparation and Characterization of a Dip-Coated SnO_2 Film for Transparent Electrodes for Transmissive Electrochromic Devices. <i>Journal of the Electrochemical Society</i> , 1993, 140, L81-L82.	1.3	89

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91	Moderating effect of ammonia on particle growth and stability of quasi-monodisperse silver nanoparticles synthesized by the Turkevich method. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 355-358.	5.0	89
92	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.	2.0	89
93	Microstructural and morphological analysis of pure and Ce-doped tin dioxide nanoparticles. <i>Journal of the European Ceramic Society</i> , 2003, 23, 707-713.	2.8	87
94	CeO ₂ Nanoparticle Morphologies and Their Corresponding Crystalline Planes for the Photocatalytic Degradation of Organic Pollutants. <i>ACS Applied Nano Materials</i> , 2019, 2, 6513-6526.	2.4	87
95	Effect of oxidizing and reducing atmospheres on the electrical properties of dense SnO ₂ -based varistors. <i>Journal of the European Ceramic Society</i> , 2001, 21, 161-167.	2.8	86
96	Synthesis of Fine Micro-sized BaZrO ₃ Powders Based on a Decaohedron Shape by the Microwave-Assisted Hydrothermal Method. <i>Crystal Growth and Design</i> , 2009, 9, 833-839.	1.4	86
97	Influence of polymerization on the synthesis of SrTiO ₃ : Part I. Characteristics of the polymeric precursors and their thermal decomposition. <i>Ceramics International</i> , 1995, 21, 143-152.	2.3	85
98	Oriented Attachment Mechanism in Anisotropic Nanocrystals: A "Polymerization" Approach. <i>ChemPhysChem</i> , 2006, 7, 664-670.	1.0	85
99	The role of network modifiers in the creation of photoluminescence in CaTiO ₃ . <i>Materials Chemistry and Physics</i> , 2003, 78, 227-233.	2.0	84
100	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO ₃ powders. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	84
101	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.	1.5	84
102	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, .	1.1	84
103	Study of the annealing temperature effect on the structural and luminescent properties of SrWO ₄ :Eu phosphors prepared by a non-hydrolytic sol-gel process. <i>Journal of Alloys and Compounds</i> , 2012, 526, 11-21.	2.8	84
104	Effects of surface stability on the morphological transformation of metals and metal oxides as investigated by first-principles calculations. <i>Nanotechnology</i> , 2015, 26, 405703.	1.3	84
105	Microstructural evolution during sintering of CoO doped SnO ₂ ceramics. <i>Ceramics International</i> , 1999, 25, 253-256.	2.3	83
106	Study of Synthesis Variables in the Nanocrystal Growth Behavior of Tin Oxide Processed by Controlled Hydrolysis. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15612-15617.	1.2	83
107	Electronic and Structural Properties of the (101̄...0) and (112̄...0) ZnO Surfaces. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8958-8963.	1.1	83
108	A combined theoretical and experimental study of electronic structure and optical properties of β -ZnMoO ₄ microcrystals. <i>Polyhedron</i> , 2013, 54, 13-25.	1.0	83

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109	Silver Molybdate and Silver Tungstate Nanocomposites with Enhanced Photoluminescence. <i>Nanomaterials and Nanotechnology</i> , 2014, 4, 22.	1.2	83
110	Synthesis and sintering of ultra fine NaNbO ₃ powder by use of polymeric precursors. <i>Materials Letters</i> , 1996, 28, 215-220.	1.3	82
111	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	2.1	82
112	High dielectric constant of SrTiO ₃ thin films prepared by chemical process. <i>Journal of Materials Science</i> , 2000, 35, 4783-4787.	1.7	81
113	Preparation of CeO ₂ by a simple microwave-hydrothermal method. <i>Solid State Ionics</i> , 2009, 180, 288-291.	1.3	81
114	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.	1.1	81
115	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. <i>Ceramics International</i> , 2014, 40, 4445-4453.	2.3	81
116	Influence of order-disorder effects on the magnetic and optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2018, 44, 17290-17297.	2.3	81
117	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. <i>Materials Research Bulletin</i> , 2008, 43, 771-775.	2.7	79
118	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.	1.7	79
119	The interplay between morphology and photocatalytic activity in ZnO and N-doped ZnO crystals. <i>Materials and Design</i> , 2017, 120, 363-375.	3.3	79
120	Anisotropic Growth of Oxide Nanocrystals: Insights into the Rutile TiO ₂ Phase. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5871-5875.	1.5	78
121	Relation between photoluminescence emission and local order-disorder in the CaTiO ₃ lattice modifier. <i>Applied Physics Letters</i> , 2007, 90, 111904.	1.5	78
122	Growth of SnO Nanobelts and Dendrites by a Self-Catalytic VLS Process. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6621-6625.	1.2	77
123	Rietveld refinement, cluster modelling, growth mechanism and photoluminescence properties of CaWO ₄ :Eu ³⁺ microcrystals. <i>CrystEngComm</i> , 2015, 17, 1654-1666.	1.3	77
124	A new interpretation for the degradation phenomenon of ZnO varistors. <i>Journal of Materials Science</i> , 1992, 27, 5325-5329.	1.7	76
125	Study of the dielectric and ferroelectric properties of chemically processed Ba _x Sr _{1-x} TiO ₃ thin films. <i>Thin Solid Films</i> , 2001, 386, 91-98.	0.8	76
126	Growth mechanism of octahedron-like BaMoO ₄ microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. <i>Particuology</i> , 2009, 7, 353-362.	2.0	76

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127	Toward Understanding the Photocatalytic Activity of PbMoO_4 Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21382-21395.	1.5	76
128	Title is missing!. <i>Journal of Materials Science: Materials in Electronics</i> , 1999, 10, 321-327.	1.1	75
129	Recent research developments in SnO_2 -based varistors. <i>Materials Chemistry and Physics</i> , 2005, 90, 1-9.	2.0	75
130	Ferroelectric and optical properties of $\text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ thin film. <i>Journal of Applied Physics</i> , 2002, 91, 5972-5978.	1.1	74
131	Theoretical and experimental study on the photoluminescence in BaTiO_3 amorphous thin films prepared by the chemical route. <i>Journal of Luminescence</i> , 2003, 104, 175-185.	1.5	73
132	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO_4 Crystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20113-20119.	1.5	73
133	Structure, ferroelectric/magnetoelectric properties and leakage current density of $(\text{Bi}_{0.85}\text{Nd}_{0.15})\text{FeO}_3$ thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5326-5335.	2.8	73
134	Photoluminescence of Barium Titanate and Barium Zirconate in Multilayer Disordered Thin Films at Room temperature. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8938-8942.	1.1	72
135	An efficient microwave-assisted hydrothermal synthesis of BaZrO_3 microcrystals: growth mechanism and photoluminescence emissions. <i>CrystEngComm</i> , 2010, 12, 3612.	1.3	72
136	Photoluminescence properties of cerium oxide nanoparticles as a function of lanthanum content. <i>Materials Research Bulletin</i> , 2015, 70, 416-423.	2.7	72
137	Electronic and structural properties of $\text{Sn}_x\text{Ti}_{1-x}\text{O}_2$ solid solutions: a periodic DFT study. <i>Catalysis Today</i> , 2003, 85, 145-152.	2.2	71
138	Structure, microstructure and dielectric properties of $100\text{-}x(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-}x[\text{SrTiO}_3]$ composites ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 715-723.	1.1	71
139	Rietveld refinement and optical properties of $\text{SrWO}_4:\text{Eu}^{3+}$ powders prepared by the non-hydrolytic sol-gel method. <i>Journal of Rare Earths</i> , 2015, 33, 113-128.	2.5	71
140	The interaction of H_2 , CO , CO_2 , H_2O and NH_3 on ZnO surfaces: an Oniom Study. <i>Chemical Physics Letters</i> , 2004, 400, 481-486.	1.2	70
141	Photoluminescence and Photocatalytic Properties of Ag_3PO_4 Microcrystals: An Experimental and Theoretical Investigation. <i>ChemPlusChem</i> , 2016, 81, 202-212.	1.3	70
142	Monoferrite BaFe_2O_4 applied as ceramic pigment. <i>Ceramics International</i> , 2007, 33, 521-525.	2.3	69
143	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.	0.5	69
144	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. <i>Journal of Alloys and Compounds</i> , 2009, 471, 253-258.	2.8	69

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145	On the photoluminescence behavior of samarium-doped strontium titanate nanostructures under UV light. A structural and electronic understanding. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7566.	1.3	68
146	Application of polysaccharide hydrogels in adsorption and controlled extended release of fertilizers processes. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2291-2298.	1.3	68
147	An easy method of preparing ozone gas sensors based on ZnO nanorods. <i>RSC Advances</i> , 2015, 5, 19528-19533.	1.7	68
148	CaTiO ₃ :Eu ³⁺ obtained by microwave assisted hydrothermal method: A photoluminescent approach. <i>Optical Materials</i> , 2010, 32, 990-997.	1.7	67
149	Well-designed $\hat{\Gamma}^2$ -Ag ₂ MoO ₄ crystals with photocatalytic and antibacterial activity. <i>Materials and Design</i> , 2017, 115, 73-81.	3.3	67
150	Low-temperature synthesis of single-phase crystalline LaNiO ₃ perovskite via Pechini method. <i>Materials Letters</i> , 2002, 53, 122-125.	1.3	66
151	Photoluminescence in disordered Zn ₂ TiO ₄ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 985-992.	1.4	66
152	MgFe ₂ O ₄ pigment obtained at low temperature. <i>Materials Research Bulletin</i> , 2006, 41, 183-190.	2.7	66
153	$\hat{\Gamma}^2$ -ZnMoO 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.	2.3	66
154	Acetone gas sensor based on $\hat{\Gamma}^2$ -Ag ₂ WO ₄ nanorods obtained via a microwave-assisted hydrothermal route. <i>Journal of Alloys and Compounds</i> , 2016, 683, 186-190.	2.8	66
155	Electrical properties of the SnO ₂ -based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , 1998, 9, 159-165.	1.1	65
156	Density Functional Theory Study on the Structural and Electronic Properties of Low Index Rutile Surfaces for TiO ₂ /SnO ₂ /TiO ₂ and SnO ₂ /TiO ₂ /SnO ₂ Composite Systems. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8943-8952.	1.1	65
157	Morphology and Photoluminescence of HfO ₂ Obtained by Microwave-Hydrothermal. <i>Nanoscale Research Letters</i> , 2009, 4, 1371-1379.	3.1	65
158	Different dye degradation mechanisms for ZnO and ZnO doped with N (ZnO:N). <i>Journal of Molecular Catalysis A</i> , 2016, 417, 89-100.	4.8	65
159	Dye-sensitized solar cell architecture based on indium tin oxide nanowires coated with titanium dioxide. <i>Scripta Materialia</i> , 2007, 57, 277-280.	2.6	64
160	Synthesis, Characterization and Photophysical Properties of Eu ³⁺ Doped in BaMoO ₄ . <i>Journal of Fluorescence</i> , 2008, 18, 239-245.	1.3	64
161	Microwave-assisted hydrothermal synthesis of nanocrystalline SnO powders. <i>Materials Letters</i> , 2008, 62, 239-242.	1.3	64
162	Toward an Understanding of Intermediate- and Short-Range Defects in ZnO Single Crystals. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8970-8978.	1.1	64

#	ARTICLE	IF	CITATIONS
163	Effect of TiO ₂ surface modification in Rhodamine B photodegradation. Journal of Sol-Gel Science and Technology, 2009, 49, 95-100.	1.1	64
164	Influence of mineralizer agents on the growth of crystalline CeO ₂ nanospheres by the microwave-hydrothermal method. Journal of Alloys and Compounds, 2013, 550, 245-251.	2.8	64
165	Structural, Optical, and Magnetic Properties of NiMoO ₄ Nanorods Prepared by Microwave Sintering. Scientific World Journal, The, 2015, 2015, 1-8.	0.8	64
166	Microstructural development of ZnO varistor during reactive liquid phase sintering. Journal of Materials Science, 1996, 31, 5391-5398.	1.7	63
167	Comparison of blue pigments prepared by two different methods. Journal of the European Ceramic Society, 2002, 22, 2911-2919.	2.8	63
168	Characterization of BaTi _{1-x} Zr _x O ₃ thin films obtained by a soft chemical spin-coating technique. Journal of Applied Physics, 2004, 96, 4386-4391.	1.1	63
169	Soft chemical deposition of BiFeO ₃ multiferroic thin films. Applied Physics Letters, 2007, 90, 052906.	1.5	63
170	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO ₄ crystals. Polyhedron, 2013, 50, 532-545.	1.0	63
171	Nonlinear electrical behaviour of the SnO ₂ .CoO.Ta ₂ O ₅ system. Journal of Materials Science Letters, 1998, 17, 577-579.	0.5	62
172	Influence of the concentration of Sb ₂ O ₃ and the viscosity of the precursor solution on the electrical and optical properties of SnO ₂ thin films produced by the Pechini method. Thin Solid Films, 2002, 405, 228-233.	0.8	62
173	Structural and electronic properties of PbTiO ₃ slabs: a DFT periodic study. Surface Science, 2004, 552, 149-159.	0.8	62
174	Photoluminescence properties of BaMoO ₄ amorphous thin films. Journal of Solid State Chemistry, 2005, 178, 2346-2353.	1.4	62
175	Microwave-hydrothermal synthesis of perovskite bismuth ferrite nanoparticles. Materials Research Bulletin, 2011, 46, 2543-2547.	2.7	62
176	Quantum Mechanics Insight into the Microwave Nucleation of SrTiO ₃ Nanospheres. Journal of Physical Chemistry C, 2012, 116, 24792-24808.	1.5	62
177	Epitaxial growth of LiNbO ₃ thin films in a microwave oven. Thin Solid Films, 2003, 436, 213-219.	0.8	61
178	Intense visible photoluminescence in Ba(Zr _{0.25} Ti _{0.75})O ₃ thin films. Applied Physics Letters, 2007, 90, 011901.	1.5	61
179	Unveiling the Chemical and Morphological Features of Sb ³⁺ SnO ₂ Nanocrystals by the Combined Use of High-Resolution Transmission Electron Microscopy and ab Initio Surface Energy Calculations. Journal of the American Chemical Society, 2009, 131, 14544-14548.	6.6	61
180	Identifying and rationalizing the morphological, structural, and optical properties of Ag ₂ MoO ₄ microcrystals, and the formation process of Ag nanoparticles on their surfaces: combining experimental data and first-principles calculations. Science and Technology of Advanced Materials, 2015, 16, 065002.	2.8	61

#	ARTICLE	IF	CITATIONS
181	Structural and photoluminescence properties of Eu ³⁺ doped $\hat{\Gamma}\pm\text{-Ag}_{2}\text{WO}_{4}$ synthesized by the green coprecipitation methodology. Dalton Transactions, 2015, 44, 17673-17685.	1.6	61
182	Influence of noble metals on the structural and catalytic properties of Ce-doped SnO ₂ systems. Sensors and Actuators B: Chemical, 2004, 97, 31-38.	4.0	60
183	Origin of photoluminescence in SrTiO ₃ : a combined experimental and theoretical study. Journal of Solid State Chemistry, 2004, 177, 3879-3885.	1.4	60
184	Dielectric spectroscopy analysis of CaCu ₃ Ti ₄ O ₁₂ polycrystalline systems. Applied Physics Letters, 2006, 89, 191117.	1.5	60
185	Understanding the origin of photoluminescence in disordered Ca _{0.60} Sr _{0.40} WO ₄ : An experimental and first-principles study. Chemical Physics, 2007, 334, 180-188.	0.9	60
186	Structural evolution, growth mechanism and photoluminescence properties of CuWO ₄ nanocrystals. Ultrasonics Sonochemistry, 2017, 38, 256-270.	3.8	60
187	Surfactant-Mediated Morphology and Photocatalytic Activity of $\hat{\Gamma}\pm\text{-Ag}_{2}\text{WO}_{4}$ Material. Journal of Physical Chemistry C, 2018, 122, 8667-8679.	1.5	60
188	The role of the Eu ³⁺ ions in structure and photoluminescence properties of SrBi ₂ Nb ₂ O ₉ powders. Optical Materials, 2009, 31, 995-999.	1.7	59
189	Effect of niobium dopant on fatigue characteristics of BiFeO ₃ thin films grown on Pt electrodes. Journal of Alloys and Compounds, 2009, 479, 274-279.	2.8	59
190	Microwave-hydrothermal synthesis of barium strontium titanate nanoparticles. Journal of Alloys and Compounds, 2010, 508, 620-624.	2.8	59
191	rGO-ZnO nanocomposites for high electrocatalytic effect on water oxidation obtained by microwave-hydrothermal method. Applied Surface Science, 2017, 423, 743-751.	3.1	59
192	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. Advanced Materials for Optics and Electronics, 2000, 10, 235-240.	0.6	58
193	White photoluminescence emission from ZrO ₂ co-doped with Eu ³⁺ , Tb ³⁺ and Tm ³⁺ . Journal of Alloys and Compounds, 2016, 674, 245-251.	2.8	58
194	Photoluminescence of nanostructured PbTiO ₃ processed by high-energy mechanical milling. Applied Physics Letters, 2001, 78, 2148-2150.	1.5	57
195	Influence of Ca concentration on the electric, morphological, and structural properties of (Pb,Ca)TiO ₃ thin films. Journal of Applied Physics, 2002, 91, 6650.	1.1	57
196	Conditions giving rise to intense visible room temperature photoluminescence in SrWO ₄ thin films: the role of disorder. Chemical Physics, 2005, 312, 1-9.	0.9	57
197	Ferroelectric characteristics of BiFeO ₃ thin films prepared via a simple chemical solution deposition. Journal of Applied Physics, 2007, 101, 074108.	1.1	57
198	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O ₃ thin films. Acta Materialia, 2007, 55, 6416-6426.	3.8	57

#	ARTICLE	IF	CITATIONS
199	Local Structure and Surface Properties of Co _{1-x} Zn _x O Thin Films for Ozone Gas Sensing. ACS Applied Materials & Interfaces, 2016, 8, 26066-26072.	4.0	57
200	Facile preparation of CuWO ₄ porous films and their photoelectrochemical properties. Electrochimica Acta, 2017, 256, 139-145.	2.6	57
201	Role of vanadium in Ni:Al ₂ O ₃ catalysts for carbon dioxide reforming of methane. Applied Catalysis A: General, 2003, 255, 211-220.	2.2	56
202	Evolution of CaCu ₃ Ti ₄ O ₁₂ varistor properties during heat treatment in vacuum. Ceramics International, 2007, 33, 1187-1190.	2.3	56
203	Lanthanum-doped Bi ₄ Ti ₃ O ₁₂ prepared by the soft chemical method: Rietveld analysis and piezoelectric properties. Ceramics International, 2008, 34, 257-261.	2.3	56
204	Influence of microwave energy on structural and photoluminescent behavior of CaTiO ₃ powders. Solid State Sciences, 2008, 10, 1056-1061.	1.5	56
205	Reflux synthesis and hydrothermal processing of ZrO ₂ nanopowders at low temperature. Materials Chemistry and Physics, 2009, 117, 455-459.	2.0	56
206	First-Principles Study of Pressure-Induced Phase Transitions and Electronic Properties of Ag ₂ MoO ₄ . Journal of Physical Chemistry C, 2014, 118, 3724-3732.	1.5	56
207	Effect of Thickness on the Electrical and Optical Properties of Sb Doped SnO ₂ (ATO) Thin Films. Journal of Electroceramics, 2004, 13, 159-165.	0.8	55
208	Synthesis, characterization, structural refinement and optical absorption behavior of PbWO ₄ powders. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 150, 18-25.	1.7	55
209	Evaluation of the effect of the stoichiometric ratio of Ca/Cu on the electrical and microstructural properties of the CaCu ₃ Ti ₄ O ₁₂ polycrystalline system. Journal Physics D: Applied Physics, 2009, 42, 185503.	1.3	55
210	Influence of the thermal treatment in the crystallization of NiWO ₄ and ZnWO ₄ . Journal of Thermal Analysis and Calorimetry, 2009, 97, 167-172.	2.0	54
211	Elucidating the real-time Ag nanoparticle growth on \pm -Ag ₂ WO ₄ during electron beam irradiation: experimental evidence and theoretical insights. Physical Chemistry Chemical Physics, 2015, 17, 5352-5359.	1.3	54
212	Performance of the MAGIC telescopes under moonlight. Astroparticle Physics, 2017, 94, 29-41.	1.9	54
213	Implementation of the International Classification of Functioning, Disability, and Health (ICF) Core Sets for Children and Youth with Cerebral Palsy: Global Initiatives Promoting Optimal Functioning. International Journal of Environmental Research and Public Health, 2018, 15, 1899.	1.2	54
214	SPEEK-based proton exchange membranes modified with MOF-encapsulated ionic liquid. Materials Chemistry and Physics, 2019, 236, 121792.	2.0	54
215	Photoluminescent Properties of CoMoO ₄ ; Nanorods Quickly Synthesized and Annealed in a Domestic Microwave Oven. Advances in Chemical Engineering and Science, 2012, 02, 465-473.	0.2	54
216	Analysis of the admittance-frequency and capacitance-voltage of dense SnO ₂ -CoO-based varistor ceramics. Journal of Applied Physics, 2002, 91, 6007-6014.	1.1	53

#	ARTICLE	IF	CITATIONS
217	Development of Metal ⁺ SiO ₂ Nanocomposites in a Single-Step Process by the Polymerizable Complex Method. <i>Chemistry of Materials</i> , 2002, 14, 3722-3729.	3.2	53
218	Sintering and mass transport features of (Sn,Ti)O ₂ polycrystalline ceramics. <i>Journal of the European Ceramic Society</i> , 2003, 23, 887-896.	2.8	53
219	Blue-green and red photoluminescence in CaTiO ₃ :Sm. <i>Journal of Luminescence</i> , 2007, 126, 403-407.	1.5	53
220	Urea-Based Synthesis of Zinc Oxide Nanostructures at Low Temperature. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	53
221	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.	2.3	53
222	TiO ₂ /PDMS nanocomposites for use on self-cleaning surfaces. <i>Surface and Coatings Technology</i> , 2014, 239, 16-19.	2.2	53
223	Synthesis and photocatalytic properties of bismuth titanate with different structures via oxidant peroxy method (OPM). <i>Journal of Colloid and Interface Science</i> , 2014, 415, 89-94.	5.0	53
224	A 3D platform for the morphology modulation of materials: first principles calculations on the thermodynamic stability and surface structure of metal oxides: Co ₃ O ₄ , <i>Co₃O₄</i> , <i>Co₂O₃</i> , and <i>In₂O₃</i> . <i>Modelling and Simulation in Materials Science and Engineering</i> , 2016, 24, 025007.	0.8	53
225	Mechanism of Antibacterial Activity via Morphology Change of <i>AgVO₃</i> : Theoretical and Experimental Insights. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11472-11481.	4.0	53
226	Connecting structural, optical, and electronic properties and photocatalytic activity of Ag ₃ PO ₄ :Mo complemented by DFT calculations. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 198-211.	10.8	53
227	Highly selective ozone gas sensor based on nanocrystalline Zn _{0.95} Co _{0.05} O thin film obtained via spray pyrolysis technique. <i>Applied Surface Science</i> , 2019, 478, 347-354.	3.1	53
228	Selective synthesis of vinyl ketone over SnO ₂ nanoparticle catalysts doped with rare earths. <i>Journal of Molecular Catalysis A</i> , 2004, 207, 91-96.	4.8	52
229	Growth kinetics of tin oxide nanocrystals in colloidal suspensions under hydrothermal conditions. <i>Chemical Physics</i> , 2006, 328, 229-235.	0.9	52
230	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.	1.0	52
231	Improvement of fatigue resistance on La modified BiFeO ₃ thin films. <i>Current Applied Physics</i> , 2009, 9, 520-523.	1.1	52
232	Effect of soaking time on the photoluminescence properties of cerium oxide nanoparticles. <i>Ceramics International</i> , 2014, 40, 1-9.	2.3	52
233	Novel ozone gas sensor based on ZnO nanostructures grown by the microwave-assisted hydrothermal route. <i>Ceramics International</i> , 2016, 42, 4539-4545.	2.3	52
234	Functioning and Disability Profile of Children with Microcephaly Associated with Congenital Zika Virus Infection. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1107.	1.2	52

#	ARTICLE	IF	CITATIONS
235	Influence of different solvents on the structural, optical and morphological properties of CdS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6880-6883.	2.8	51
236	BaMoO ₄ :Tb ³⁺ phosphor properties: Synthesis, characterization and photophysical studies. <i>Solid State Ionics</i> , 2011, 202, 54-59.	1.3	51
237	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.	3.1	51
238	Enhanced electrical property of nanostructured Sb-doped SnO ₂ thin film processed by soft chemical method. <i>Thin Solid Films</i> , 2004, 449, 67-72.	0.8	50
239	Towards an insight on the photoluminescence of disordered CaWO ₄ from a joint experimental and theoretical analysis. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1284-1291.	1.4	50
240	Electronic and structural properties of the (001) SrZrO ₃ surface. <i>Computational and Theoretical Chemistry</i> , 2007, 813, 49-56.	1.5	50
241	High-efficient microwave synthesis and characterisation of SrSnO ₃ . <i>Chemical Engineering Journal</i> , 2009, 155, 905-909.	6.6	50
242	Generation of copper nanoparticles induced by fs-laser irradiation in borosilicate glass. <i>Optics Express</i> , 2012, 20, 15106.	1.7	50
243	Structural evolution of Eu-doped hydroxyapatite nanorods monitored by photoluminescence emission. <i>Journal of Alloys and Compounds</i> , 2012, 531, 50-54.	2.8	50
244	Anatase TiO ₂ nanocrystals anchored at inside of SBA-15 mesopores and their optical behavior. <i>Applied Surface Science</i> , 2016, 389, 1137-1147.	3.1	50
245	Photoluminescent properties of ZrO ₂ : Tm ³⁺ , Tb ³⁺ , Eu ³⁺ powders—A combined experimental and theoretical study. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3094-3103.	2.8	50
246	Growth and Development of Children with Microcephaly Associated with Congenital Zika Virus Syndrome in Brazil. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1990.	1.2	50
247	Connecting theory with experiment to understand the photocatalytic activity of CuO—ZnO heterostructure. <i>Ceramics International</i> , 2020, 46, 9446-9454.	2.3	50
248	Transport and sensors properties of nanostructured antimony-doped tin oxide films. <i>Thin Solid Films</i> , 2006, 515, 2678-2685.	0.8	49
249	Preparation of lanthanum doped Bi ₄ Ti ₃ O ₁₂ ceramics by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2006, 98, 481-485.	2.0	49
250	Effect of the Order and Disorder of BaMoO ₄ Powders in Photoluminescent Properties. <i>Journal of Fluorescence</i> , 2008, 18, 51-59.	1.3	49
251	Evolution of photoluminescence as a function of the structural order or disorder in CaMoO ₄ nanopowders. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	49
252	Effect of annealing atmosphere on phase formation and electrical characteristics of bismuth ferrite thin films. <i>Materials Research Bulletin</i> , 2009, 44, 1747-1752.	2.7	49

#	ARTICLE	IF	CITATIONS
253	The effect of cooling rate during hydrothermal synthesis of ZnO nanorods. <i>Journal of Crystal Growth</i> , 2009, 311, 4102-4108.	0.7	49
254	SnO ₂ nanocrystals synthesized by microwave-assisted hydrothermal method: towards a relationship between structural and optical properties. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	49
255	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.	1.9	49
256	An Understanding of the Photocatalytic Properties and Pollutant Degradation Mechanism of SrTiO ₃ Nanoparticles. <i>Photochemistry and Photobiology</i> , 2016, 92, 371-378.	1.3	49
257	Synthesis, antifungal evaluation and optical properties of silver molybdate microcrystals in different solvents: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2016, 45, 10736-10743.	1.6	49
258	Rare earth doped silver tungstate for photoluminescent applications. <i>Journal of Alloys and Compounds</i> , 2019, 771, 433-447.	2.8	49
259	Role of Surfaces in the Magnetic and Ozone Gas-Sensing Properties of ZnFe ₂ O ₄ Nanoparticles: Theoretical and Experimental Insights. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4605-4617.	4.0	49
260	Magnetic dynamics of single-domain Ni nanoparticles. <i>Journal of Applied Physics</i> , 2003, 93, 6531-6533.	1.1	48
261	Contribution of structural order-disorder to the green photoluminescence of PbWO ₄ . <i>Physical Review B</i> , 2007, 75, .	1.1	48
262	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, 1050-1059.	2.0	48
263	Black and green pigments based on chromium-cobalt spinels. <i>Materials Chemistry and Physics</i> , 2011, 129, 619-624.	2.0	48
264	An Experimental and Computational Study of ¹²⁵ I-AgVO ₃ : Optical Properties and Formation of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12254-12264.	1.5	48
265	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.	1.0	48
266	Low temperature synthesis and electrical properties of PbTiO ₃ thin films prepared by the polymeric precursor method. <i>Thin Solid Films</i> , 2000, 366, 232-236.	0.8	47
267	Quantitative analysis and classification of AFM images of human hair. <i>Journal of Microscopy</i> , 2004, 215, 13-23.	0.8	47
268	Theoretical analysis of the structural deformation in Mn-doped BaTiO ₃ . <i>Chemical Physics Letters</i> , 2005, 402, 491-496.	1.2	47
269	Correlation among Order-Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. <i>Chemistry of Materials</i> , 2006, 18, 2904-2911.	3.2	47
270	Synthesis of Niobia Nanocrystals with Controlled Morphology. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18088-18090.	1.2	47

#	ARTICLE	IF	CITATIONS
271	SrZrO ₃ powders obtained by chemical method: Synthesis, characterization and optical absorption behaviour. <i>Solid State Sciences</i> , 2007, 9, 1020-1027.	1.5	47
272	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.	2.8	47
273	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.	2.8	47
274	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.	2.0	47
275	On the reversed crystal growth of BaZrO ₃ decaoctahedron: shape evolution and mechanism. <i>CrystEngComm</i> , 2011, 13, 5818.	1.3	47
276	Rapid preparation of γ -FeOOH and α -Fe ₂ O ₃ nanostructures by microwave heating and their application in electrochemical sensors. <i>Materials Research Bulletin</i> , 2014, 49, 572-576.	2.7	47
277	A Combined Experimental and Theoretical Study on the Formation of Ag Filaments on γ -Ag ₂ MoO ₄ Induced by Electron Irradiation. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 646-651.	1.2	47
278	A study of the SnO ₂ -Nb ₂ O ₅ system for an ethanol vapour sensor: a correlation between microstructure and sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2001, 72, 180-183.	4.0	46
279	Visible photoluminescence in amorphous ABO ₃ perovskites. <i>Applied Physics Letters</i> , 2002, 81, 253-255.	1.5	46
280	Thermal analysis of caucasian human hair. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 289-293.	2.0	46
281	An experimental and theoretical investigation on the optical and photocatalytic properties of ZnS nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 103, 179-189.	1.9	46
282	Dynamic Processes in the Coloration of WO ₃ by Lithium Insertion. <i>Journal of the Electrochemical Society</i> , 2001, 148, E302.	1.3	45
283	Synthesis of SnO ₂ Nanoribbons by a Carbothermal Reduction Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 125-128.	0.9	45
284	Room-temperature photoluminescence in structurally disordered SrWO ₄ . <i>Applied Physics Letters</i> , 2006, 88, 211913.	1.5	45
285	NMR study of styrene-butadiene rubber (SBR) and TiO ₂ nanocomposites. <i>Polymer Testing</i> , 2009, 28, 490-494.	2.3	45
286	A theoretical study on the photoluminescence of SrTiO ₃ . <i>Chemical Physics Letters</i> , 2010, 493, 141-146.	1.2	45
287	A theoretical investigation of the structural and electronic properties of orthorhombic CaZrO ₃ . <i>Ceramics International</i> , 2015, 41, 3069-3074.	2.3	45
288	Synthesis and morphological transformation of BaWO ₄ crystals: Experimental and theoretical insights. <i>Ceramics International</i> , 2016, 42, 10913-10921.	2.3	45

#	ARTICLE	IF	CITATIONS
289	Magnetism and multiferroic properties at MnTiO ₃ surfaces: A DFT study. Applied Surface Science, 2018, 452, 463-472.	3.1	45
290	Understanding the White-Emitting CaMoO ₄ Co-Doped Eu ³⁺ , Tb ³⁺ , and Tm ³⁺ Phosphor through Experiment and Computation. Journal of Physical Chemistry C, 2019, 123, 18536-18550.	1.5	45
291	A theoretical study of water adsorption on (10-10) and (0001) ZnO surfaces: molecular cluster, basis set and effective core potential dependence. Computational and Theoretical Chemistry, 1995, 330, 347-351.	1.5	44
292	Synthesis and sintering of ZrO ₂ -CeO ₂ powder by use of polymeric precursor based on Pechini process. Journal of Materials Science, 2001, 36, 3825-3830.	1.7	44
293	Experimental and theoretical study of the ferroelectric and piezoelectric behavior of strontium-doped PZT. Journal of the European Ceramic Society, 2002, 22, 209-218.	2.8	44
294	Nature of potential barrier in (Ca _{1/4} Cu _{3/4})TiO ₃ polycrystalline perovskite. Solid State Communications, 2006, 138, 1-4.	0.9	44
295	Photoluminescence property of powders prepared by solid state reaction and polymeric precursor method. Physica B: Condensed Matter, 2009, 404, 3341-3347.	1.3	44
296	The Role of the Eu ³⁺ Concentration on the SrMoO ₄ :Eu Phosphor Properties: Synthesis, Characterization and Photophysical Studies. Journal of Fluorescence, 2011, 21, 893-899.	1.3	44
297	Photoluminescence activity of Ba _{1-x} Ca _x TiO ₃ : dependence on particle size and morphology. Journal of Materials Chemistry C, 2014, 2, 7056-7070.	2.7	44
298	Synthesis by a chemical method and characterization of CaZrO ₃ powders: Potential application as humidity sensors. Ceramics International, 2014, 40, 16627-16634.	2.3	44
299	Experimental evidence of enhanced ferroelectricity in Ca doped BiFeO ₃ . Materials Chemistry and Physics, 2014, 144, 476-483.	2.0	44
300	Structural, morphological and optical investigation of ¹²⁹ I-Ag ₂ MoO ₄ microcrystals obtained with different polar solvents. CrystEngComm, 2015, 17, 8207-8211.	1.3	44
301	Hierarchical growth of ZnO nanorods over SnO ₂ seed layer: insights into electronic properties from photocatalytic activity. RSC Advances, 2016, 6, 2112-2118.	1.7	44
302	Improving the ozone gas-sensing properties of CuWO ₄ nanoparticles. Journal of Alloys and Compounds, 2018, 748, 411-417.	2.8	44
303	Unveiling the role of ¹²⁹ I-Ag ₂ MoO ₄ microcrystals to the improvement of antibacterial activity. Materials Science and Engineering C, 2020, 111, 110765.	3.8	44
304	Synthesis of PbTiO ₃ by use of polymeric precursors. Materials Letters, 1998, 37, 1-5.	1.3	43
305	The influence of cation segregation on the methanol decomposition on nanostructured SnO ₂ . Sensors and Actuators B: Chemical, 2002, 86, 185-192.	4.0	43
306	The nature of the photoluminescence in amorphized PZT. Journal of Luminescence, 2005, 111, 205-213.	1.5	43

#	ARTICLE	IF	CITATIONS
307	Structural and dielectric properties of polyvinyl alcohol/barium zirconium titanate polymer-ceramic composite. <i>Current Applied Physics</i> , 2013, 13, 1490-1495.	1.1	43
308	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.	1.1	43
309	Vanadium-doped TiO ₂ anatase nanostructures: the role of V in solid solution formation and its effect on the optical properties. <i>CrystEngComm</i> , 2014, 16, 5021.	1.3	43
310	A DFT Study of Structural and Electronic Properties of ZnS Polymorphs and its Pressure-Induced Phase Transitions. <i>Journal of the American Ceramic Society</i> , 2014, 97, 4011-4018.	1.9	43
311	H ₂ O and H ₂ interaction with ZnO surfaces: A MNDO, AM1, and PM3 theoretical study with large cluster models. <i>International Journal of Quantum Chemistry</i> , 1996, 57, 861-870.	1.0	42
312	Mechanism of Phase Formation in Pb(ZrxTi1-x)O ₃ Synthesized by a Partial Oxalate Method. <i>Journal of the American Ceramic Society</i> , 1996, 79, 1563-1568.	1.9	42
313	Influence of doping on the preferential growth of \pm -MoO ₃ . <i>Journal of Alloys and Compounds</i> , 2008, 459, 377-385.	2.8	42
314	Facile synthesis and characterization of ZrO ₂ nanoparticles prepared by the AOP/hydrothermal route. <i>RSC Advances</i> , 2014, 4, 38484.	1.7	42
315	Study of W boson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics</i> , 2015, 750, 565-586.		42
316	Towards the scale-up of the formation of nanoparticles on \pm -Ag ₂ WO ₄ with bactericidal properties by femtosecond laser irradiation. <i>Scientific Reports</i> , 2018, 8, 1884.	1.6	42
317	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.	1.9	42
318	Theoretical approach for determining the relation between the morphology and surface magnetism of Co ₃ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 453, 262-267.	1.0	42
319	Effect of Cr ₂ O ₃ in the varistor behaviour of TiO ₂ . <i>Journal of Materials Science Letters</i> , 1996, 15, 2048-2050.	0.5	42
320	Ionic conductivity of Bi ₄ Ti _{0.2} V _{1.8} O _{10.7} polycrystalline ceramics obtained by the polymeric precursor route. <i>Materials Letters</i> , 2003, 57, 2540-2544.	1.3	41
321	Preparation and characterization of nanosized SrBi ₂ Nb ₂ O ₉ powder by the combustion synthesis. <i>Materials Letters</i> , 2003, 57, 2812-2816.	1.3	41
322	Low Voltage Varistor Based on (Sn,Ti)O ₂ Ceramics. <i>Journal of the American Ceramic Society</i> , 2002, 85, 282-284.	1.9	41
323	Structural, microstructural, and transport properties of highly oriented LaNiO ₃ thin films deposited on SrTiO ₃ (100) single crystal. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	41
324	Phase Transformation in Titania Nanocrystals by the Oriented Attachment Mechanism: The Role of the pH Value. <i>Chemistry - A European Journal</i> , 2009, 15, 2217-2222.	1.7	41

#	ARTICLE	IF	CITATIONS
325	Influence of the modifier on the short and long range disorder of stannate perovskites. <i>Journal of Alloys and Compounds</i> , 2009, 476, 507-512.	2.8	41
326	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.	1.9	41
327	Visible-light photocatalysis with bismuth titanate (Bi ₂ TiO ₅) particles synthesized by the oxidant peroxide method (OPM). <i>Ceramics International</i> , 2015, 41, 12073-12080.	2.3	41
328	In situ Transmission Electron Microscopy observation of Ag nanocrystal evolution by surfactant free electron-driven synthesis. <i>Scientific Reports</i> , 2016, 6, 21498.	1.6	41
329	SiO ₂ -Ag Composite as a Highly Virucidal Material: A Roadmap that Rapidly Eliminates SARS-CoV-2. <i>Nanomaterials</i> , 2021, 11, 638.	1.9	41
330	Influence of polymerization on the synthesis of SrTiO ₃ : Part II. Particle and agglomerate morphologies. <i>Ceramics International</i> , 1995, 21, 153-158.	2.3	40
331	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.	3.1	40
332	Ozone and nitrogen dioxide gas sensor based on a nanostructured SrTi _{0.85} Fe _{0.15} O ₃ thin film. <i>Journal of Alloys and Compounds</i> , 2015, 638, 374-379.	2.8	40
333	Role of oxygen on the phase stability and microstructure evolution of CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 129-136.	2.8	40
334	Ag Nanoparticles/Ag ₂ WO ₄ Composite Formed by Electron Beam and Femtosecond Irradiation as Potent Antifungal and Antitumor Agents. <i>Scientific Reports</i> , 2019, 9, 9927.	1.6	40
335	The effect of Ta ₂ O ₅ and Cr ₂ O ₃ on the electrical properties of TiO ₂ varistors. <i>Journal of the European Ceramic Society</i> , 2002, 22, 1277-1283.	2.8	39
336	Effect of the addition of ZnO seeds on the electrical proprieties of ZnO-based varistors. <i>Materials Chemistry and Physics</i> , 2003, 80, 512-516.	2.0	39
337	Wear mechanism for blast furnace hearth refractory lining. <i>Ironmaking and Steelmaking</i> , 2005, 32, 459-467.	1.1	39
338	Admittance and dielectric spectroscopy of polycrystalline semiconductors. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4313-4320.	2.8	39
339	Yellow Zn _x Ni _{1-x} WO ₄ pigments obtained using a polymeric precursor method. <i>Dyes and Pigments</i> , 2008, 77, 210-216.	2.0	39
340	The role of oxygen vacancy in the photoluminescence property at room temperature of the CaTiO ₃ . <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	39
341	Preparation of Pb(Zr,Ti)O ₃ thin films by soft chemical route. <i>Journal of the European Ceramic Society</i> , 2004, 24, 2969-2976.	2.8	38
342	Sol-gel nonhydrolytic synthesis of a hybrid organic-inorganic electrolyte for application in lithium-ion devices. <i>Solid State Ionics</i> , 2004, 166, 83-88.	1.3	38

#	ARTICLE	IF	CITATIONS
343	The role of structural orderâ€“disorder for visible intense photoluminescence in the BaZr _{0.5} Ti _{0.5} O ₃ thin films. Chemical Physics, 2005, 316, 260-266.	0.9	38
344	Electromechanical properties of calcium bismuth titanate films: A potential candidate for lead-free thin-film piezoelectrics. Applied Physics Letters, 2006, 88, 072916.	1.5	38
345	Tailoring of heterostructures in a SnO ₂ âˆ™TiO ₂ system by the oriented attachment mechanism. Applied Physics Letters, 2007, 91, 103105.	1.5	38
346	Shape controlled synthesis of CaMoO ₄ thin films and their photoluminescence property. Journal of Solid State Chemistry, 2008, 181, 1249-1257.	1.4	38
347	Conventional and microwave sintering of CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ ceramic composites: non-ohmic and dielectric properties. Journal Physics D: Applied Physics, 2008, 41, 152004.	1.3	38
348	Comparative Electrical Behavior at Low and High Current of SnO ₂ and ZnO-Based Varistors. Journal of the American Ceramic Society, 2008, 91, 2402-2404.	1.9	38
349	Stable colloidal suspensions of nanostructured zirconium oxide synthesized by hydrothermal process. Journal of Nanoparticle Research, 2010, 12, 3105-3110.	0.8	38
350	Formation of Ag Nanoparticles on ¹² Ag ₂ WO ₄ through Electron Beam Irradiation: A Synergetic Computational and Experimental Study. Inorganic Chemistry, 2016, 55, 8661-8671.	1.9	38
351	Potassium Vapor Attack in Refractories of the Alumina-Silica System. Journal of the American Ceramic Society, 1990, 73, 1413-1416.	1.9	37
352	Ba _{1-x} Sr _x TiO ₃ thin films by polymeric precursor method. Materials Letters, 2000, 43, 249-253.	1.3	37
353	Combined Experimental and Theoretical Study to Understand the Photoluminescence of Sr _{1-x} TiO _{3-x} . Journal of Physical Chemistry B, 2004, 108, 9221-9227.	1.2	37
354	Particle Growth during Calcination of Polycation Oxides Synthesized by the Polymeric Precursors Method. Journal of the American Ceramic Society, 1997, 80, 2649-2657.	1.9	37
355	Photoluminescence in the Ca _x Sr _{1-x} WO ₄ system at room temperature. Journal of Solid State Chemistry, 2008, 181, 1876-1881.	1.4	37
356	Strain behavior of lanthanum modified BiFeO ₃ thin films prepared via soft chemical method. Journal of Applied Physics, 2008, 104, 104115.	1.1	37
357	Influence of synthesis conditions on carbonate entrapment in perovskite SrSnO ₃ . Materials Letters, 2009, 63, 118-120.	1.3	37
358	Influence of support on catalytic behavior of nickel catalysts in the steam reforming of ethanol for hydrogen production. Environmental Chemistry Letters, 2010, 8, 79-85.	8.3	37
359	Strutural and optical approach of CdS@ZnS coreâ€“shell system. Chemical Physics Letters, 2012, 536, 96-99.	1.2	37
360	Microwave-hydrothermal synthesis of single-crystalline Co ₃ O ₄ spinel nanocubes. CrystEngComm, 2013, 15, 7443.	1.3	37

#	ARTICLE	IF	CITATIONS
361	Low-temperature synthesis of nanosized bismuth ferrite by the soft chemical method. <i>Ceramics International</i> , 2013, 39, 13-20.	2.3	37
362	Correlation Between Photoluminescence and Structural Defects in $\text{Ca}_{1-x}\text{Cu}_3\text{Ti}_x$ Systems. <i>Journal of the American Ceramic Society</i> , 2013, 96, 209-217. http://www.w3.org/1998/11/math/mathml xmins:mml= http://www.w3.org/1998/11/math/mathml altimg= si1.gif overflow="scroll"><mml:mrow><mml:mi mathvariant="normal">VH</mml:mi></mml:mrow><mml:mo	4.50	37
363			

#	ARTICLE	IF	CITATIONS
379	Comparative degradation of ZnO- and SnO ₂ -based polycrystalline non-ohmic devices by current pulse stress. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 122002.	1.3	35
380	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.	2.0	35
381	Rapid synthesis of Co, Ni co-doped ZnO nanoparticles: Optical and electrochemical properties. <i>Journal of Solid State Chemistry</i> , 2015, 230, 343-349.	1.4	35
382	Influence of Cu-doping on the structural and optical properties of CaTiO ₃ powders. <i>Materials Research Bulletin</i> , 2016, 81, 1-9.	2.7	35
383	Tuning the Morphological, Optical, and Antimicrobial Properties of Ag ₂ WO ₄ Microcrystals Using Different Solvents. <i>Crystal Growth and Design</i> , 2017, 17, 6239-6246.	1.4	35
384	Microstructure and phase evolution of SrTiO ₃ thin films on Si prepared by the use of polymeric precursors. <i>Materials Letters</i> , 1997, 31, 173-178.	1.3	34
385	Experimental and theoretical aspects of the stabilization of zirconia.. <i>Journal of Materials Science</i> , 1999, 34, 2751-2756.	1.7	34
386	Epitaxially grown LiNbO ₃ thin films by polymeric precursor method. <i>Journal of Materials Research</i> , 2000, 15, 2446-2453.	1.2	34
387	Effects of Synthesis and Processing on Supersaturated Rare Earth-Doped Nanometric SnO ₂ Powders. <i>Nano Letters</i> , 2002, 2, 969-973.	4.5	34
388	Synthesis and characterization of Li ₂ ZnTi ₃ O ₈ spinel using the modified polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2003, 82, 68-72.	2.0	34
389	Microstructural and transport properties of LaNiO ₃ films grown on Si (111) by chemical solution deposition. <i>Thin Solid Films</i> , 2003, 445, 54-58.	0.8	34
390	Ni:CeO ₂ nanocomposite catalysts prepared by polymeric precursor method. <i>Applied Catalysis A: General</i> , 2006, 310, 174-182.	2.2	34
391	Separation of dielectric and space charge polarizations in CaCu ₃ Ti ₄ O ₁₂ •CaTiO ₃ composite polycrystalline systems. <i>Applied Physics Letters</i> , 2007, 90, 142912.	1.5	34
392	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.	1.5	34
393	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.	1.5	34
394	Radioluminescence properties of decaoctahedral BaZrO ₃ . <i>Scripta Materialia</i> , 2011, 64, 118-121.	2.6	34
395	TiO ₂ synthesized by microwave assisted solvothermal method: Experimental and theoretical evaluation. <i>Journal of Solid State Chemistry</i> , 2014, 210, 171-177.	1.4	34
396	Modeling the atomic-scale structure, stability, and morphological transformations in the tetragonal phase of LaVO ₄ . <i>Chemical Physics Letters</i> , 2016, 660, 87-92.	1.2	34

#	ARTICLE	IF	CITATIONS
397	Structure, morphology and photoluminescence emissions of ZnMoO ₄ : RE ³⁺ =Tb ³⁺ - Tm ³⁺ - X Eu ³⁺ (x= 1), Tj ETQq1 1 0.784314 rg8T Compounds, 2018, 750, 55-70.	2.8	34
398	Ag ₃ PO ₄ /NiO Composites with Enhanced Photocatalytic Activity under Visible Light. ACS Omega, 2020, 5, 21651-21661.	1.6	34
399	Influence of heat treatment on LiNbO ₃ thin films prepared on Si(111) by the polymeric precursor method. Journal of Materials Research, 1999, 14, 3115-3121.	1.2	33
400	The origin of photoluminescence in amorphous lead titanate. Journal of Materials Science, 2003, 38, 1175-1178.	1.7	33
401	The role of defect states in the creation of photoluminescence in SrTiO ₃ . Applied Physics A: Materials Science and Processing, 2003, 77, 81-85.	1.1	33
402	Grain-boundary segregation and precipitates in La ₂ O ₃ and Pr ₂ O ₃ doped SnO ₂ -CoO-based varistors. Journal of the European Ceramic Society, 2003, 23, 1875-1880.	2.8	33
403	Improvement of the dielectric and ferroelectric properties in superlattice structure of Pb(Zr,Ti)O ₃ thin films grown by chemical solution route. Applied Physics Letters, 2006, 89, 5470-5472.	1.4	33
404	Phase evolution of lead titanate from its amorphous precursor synthesized by the OPM wet-chemical route. Journal of Solid State Chemistry, 2004, 177, 1994-2001.	1.4	33
405	A Comparative Study of Thermal Conductivity in ZnO- and SnO ₂ -Based Varistor Systems. Journal of the American Ceramic Society, 2005, 88, 2629-2631.	1.9	33
406	Theoretical and experimental study of disordered Ba _{0.45} Sr _{0.55} TiO ₃ photoluminescence at room temperature. Chemical Physics, 2006, 322, 343-348.	0.9	33
407	Effect of processing route on the phase formation and properties of Bi ₄ Ti ₃ O ₁₂ ceramics. Ceramics International, 2006, 32, 707-712.	2.3	33
408	Electrostatic force microscopy as a tool to estimate the number of active potential barriers in dense non-Ohmic polycrystalline SnO ₂ devices. Applied Physics Letters, 2006, 89, 152102.	1.5	33
409	Role of the Oriented Attachment Mechanism in the Phase Transformation of Oxide Nanocrystals. Chemistry - A European Journal, 2007, 13, 5798-5803.	1.7	33
410	Microwave-Assisted Hydrothermal Synthesis of Structurally and Morphologically Controlled Sodium Niobates by Using Niobic Acid as a Precursor. European Journal of Inorganic Chemistry, 2008, 2008, 1300-1308.	1.0	33
411	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. Journal of Alloys and Compounds, 2009, 477, 877-882.	2.8	33
412	Synthesis and characterization of lead zirconate titanate (PZT) obtained by two chemical methods. Ceramics International, 2014, 40, 1717-1722.	2.3	33
413	High-performance ultraviolet-visible driven ZnO morphologies photocatalyst obtained by microwave-assisted hydrothermal method. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 358-367.	2.0	33
414	Investigation on the structural properties in Er-doped PbTiO ₃ compounds: A correlation between experimental and theoretical results. Journal of Alloys and Compounds, 2008, 462, 157-163.	2.8	32

#	ARTICLE	IF	CITATIONS
415	P-type semiconducting gas sensing behavior of nanoporous rf sputtered CaCu ₃ Ti ₄ O ₁₂ thin films. Applied Physics Letters, 2008, 92, .	1.5	32
416	Gadolinium-doped cerium oxide nanorods: novel active catalysts for ethanol reforming. Journal of Materials Science, 2010, 45, 593-598.	1.7	32
417	Preparation and photoluminescence characteristics of In(OH) ₃ :xTb ³⁺ obtained by Microwave-Assisted Hydrothermal method. Journal of Alloys and Compounds, 2013, 553, 338-342.	2.8	32
418	Gas sensor applications of zinc oxide thin film grown by the polymeric precursor method. Ceramics International, 2014, 40, 14991-14996.	2.3	32
419	Microwave Hydrothermal Synthesis and Photocatalytic Performance of ZnO and M:ZnO Nanostructures (M = V, Fe, Co). Science of Advanced Materials, 2012, 4, 54-60.	0.1	32
420	Mechanisms of water interaction with a magnesium oxide surface. Langmuir, 1985, 1, 456-461.	1.6	31
421	Phase Characterization of Lead Zirconate Titanate Obtained from Organic Solutions of Citrates. Journal of the American Ceramic Society, 1992, 75, 2088-2093.	1.9	31
422	Synthesis and characterization of PLZT (9/65/35) by the Pechini method and partial oxalate. Materials Letters, 1998, 35, 166-171.	1.3	31
423	Dielectric properties of Na _{1-x} Li _x NbO ₃ ceramics from powders obtained by chemical synthesis. Ceramics International, 1999, 25, 455-460.	2.3	31
424	Piezoelectric Effect in Composite Polyurethane/Ferroelectric Ceramics. Physica Status Solidi A, 1999, 172, 265-271.	1.7	31
425	Correlation between the surface morphology and structure and the photoluminescence of amorphous PbTiO ₃ thin films obtained by the chemical route. Advanced Materials for Optics and Electronics, 2000, 10, 81-89.	0.6	31
426	Microstructural and ferroelectric properties of PbZr _{1-x} Ti _x O ₃ thin films prepared by the polymeric precursor method. Materials Letters, 2001, 49, 365-370.	1.3	31
427	Pyrochlore-free Pb(Mg _{1/3} Nb _{2/3})O ₃ prepared by a combination of the partial oxalate and the polymerized complex methods. Journal of Alloys and Compounds, 2001, 314, 140-146.	2.8	31
428	Room-temperature photoluminescence in amorphous SrTiO ₃ - the influence of acceptor-type dopants. Applied Physics A: Materials Science and Processing, 2002, 75, 629-632.	1.1	31
429	Barium strontium titanate powders prepared by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 122, 140-144.	1.7	31
430	Preparation and characterization of LiNi _{0.8} Co _{0.2} O ₂ /PANI microcomposite electrode materials under assisted ultrasonic irradiation. Journal of Solid State Chemistry, 2006, 179, 308-314.	1.4	31
431	Catalytic activity of nanometric pure and rare earth-doped SnO ₂ samples. Materials Letters, 2008, 62, 1677-1680.	1.3	31
432	Effect of partial preferential orientation and distortions in octahedral clusters on the photoluminescence properties of FeWO ₄ nanocrystals. CrystEngComm, 2012, 14, 7127.	1.3	31

#	ARTICLE	IF	CITATIONS
433	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.	1.9	31
434	Antifungal Applications of Ag-Decorated Hydroxyapatite Nanoparticles. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	31
435	Effect of process parameters on photophysical properties and barium molybdate phosphors characteristics. <i>Ceramics International</i> , 2014, 40, 6719-6729.	2.3	31
436	Correlation between structural and electronic order-disorder effects and optical properties in ZnO nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10164-10174.	2.7	31
437	Crystal growth and photoluminescence of europium-doped strontium titanate prepared by a microwave hydrothermal method. <i>Ceramics International</i> , 2015, 41, 3549-3554.	2.3	31
438	Theoretical and Experimental Insight on Ag ₂ CrO ₄ Microcrystals: Synthesis, Characterization, and Photoluminescence Properties. <i>Inorganic Chemistry</i> , 2016, 55, 8961-8970.	1.9	31
439	Formation of Ag nanoparticles on metastable β -Ag ₂ WO ₄ microcrystals induced by electron irradiation. <i>Chemical Physics Letters</i> , 2016, 644, 68-72.	1.2	31
440	Theoretical methods for calculations of optical phonons in BiOBr: Analysis and correction of propagated errors. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1356-1363.	1.2	31
441	Preparation and characterization of SrBi ₂ Nb ₂ O ₉ thin films made by polymeric precursors. <i>Journal of Materials Research</i> , 1998, 13, 2932-2935.	1.2	30
442	Synthesis of Mesoporous Silica with Embedded Nickel Nanoparticles for Catalyst Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 89-94.	0.9	30
443	The effect of Nb doping on ferroelectric properties of PZT thin films prepared from polymeric precursors. <i>Materials Chemistry and Physics</i> , 2004, 88, 155-159.	2.0	30
444	Structural and ferroelectric properties of Pb _{1-x} Sr _x TiO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 875-880.	1.1	30
445	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.	2.0	30
446	Demulsification of water/sunflower oil emulsions by a tangential filtration process using chemically impregnated ceramic tubes. <i>Journal of Membrane Science</i> , 2007, 289, 58-66.	4.1	30
447	Influence of Rare Earth Doping on the Structural and Catalytic Properties of Nanostructured Tin Oxide. <i>Nanoscale Research Letters</i> , 2008, 3, .	3.1	30
448	Photoluminescent CaCu ₃ Ti ₄ O ₁₂ -Based Thin Films Synthesized by a Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2008, 91, 4162-4164.	1.9	30
449	Photoluminescent behavior of SrZrO ₃ /SrTiO ₃ multilayer thin films. <i>Chemical Physics Letters</i> , 2009, 473, 293-298.	1.2	30
450	DFT Study with Inclusion of the Grimme Potential on Anatase TiO ₂ : Structure, Electronic, and Vibrational Analyses. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11731-11735.	1.1	30

#	ARTICLE	IF	CITATIONS
451	Synthesis and optimization of colloidal silica nanoparticles and their functionalization with methacrylic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 209-217.	2.3	30
452	Piezoresponse force microscopy characterization of rare-earth doped BiFeO ₃ thin films grown by the soft chemical method. <i>Ceramics International</i> , 2013, 39, 2185-2195.	2.3	30
453	<i>In situ</i> growth of Ag nanoparticles on Ag ₂ WO ₄ under electron irradiation: probing the physical principles. <i>Nanotechnology</i> , 2016, 27, 225703.	1.3	30
454	Study of structural and optical properties of CaMoO ₄ nanoparticles synthesized by the microwave-assisted solvothermal method. <i>Materials Chemistry and Physics</i> , 2016, 183, 110-120.	2.0	30
455	Synthesis and evaluation of Ag ₂ WO ₄ as novel antifungal agent. <i>Chemical Physics Letters</i> , 2017, 674, 125-129.	1.2	30
456	Optical and gas-sensing properties, and electronic structure of the mixed-phase CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ composites. <i>Materials Research Bulletin</i> , 2017, 93, 47-55.	2.7	30
457	Effect of Fe ³⁺ Doping in the Photocatalytic Properties of BaSnO ₃ Perovskite. <i>Materials Research</i> , 2017, 20, 317-324.	0.6	30
458	Unraveling the Role of Sn Segregation in the Electronic Transport of Polycrystalline Hematite: Raising the Electronic Conductivity by Lowering the Grain Boundary Blocking Effect. <i>Advanced Electronic Materials</i> , 2019, 5, 1900065.	2.6	30
459	Tailoring the Bactericidal Activity of Ag Nanoparticles/Ag ₂ WO ₄ Composite Induced by Electron Beam and Femtosecond Laser Irradiation: Integration of Experiment and Computational Modeling. <i>ACS Applied Bio Materials</i> , 2019, 2, 824-837.	2.3	30
460	Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 1457-1459.	0.5	29
461	Hybrid Organic-Inorganic Polymer: A New Approach for the Development of Decoupled Polymer Electrolytes. <i>Chemistry of Materials</i> , 2005, 17, 4561-4563.	3.2	29
462	Photoluminescence of crystalline and disordered BTO:Mn powder: Experimental and theoretical modeling. <i>Journal of Luminescence</i> , 2007, 126, 771-778.	1.5	29
463	Europium(III) Concentration Effect on the Spectroscopic and Photoluminescent Properties of BaMoO ₄ :Eu. <i>Journal of Fluorescence</i> , 2009, 19, 495-500.	1.3	29
464	Soft-chemical synthesis, characterization and humidity sensing behavior of WO ₃ /TiO ₂ nanopowders. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 40-47.	4.0	29
465	Electrosteric colloidal stabilization for obtaining SrTiO ₃ /TiO ₂ heterojunction: Microstructural evolution in the interface and photonics properties. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1621-1631.	2.8	29
466	Electronic structure, growth mechanism, and sonophotocatalytic properties of sphere-like self-assembled NiWO ₄ nanocrystals. <i>Inorganic Chemistry Communication</i> , 2018, 98, 34-40.	1.8	29
467	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.	2.0	29
468	Towards enhancing the magnetic properties by morphology control of ATiO ₃ (A ²⁺ =Mn, Fe, Ni) multiferroic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 544-549.	1.0	29

#	ARTICLE	IF	CITATIONS
469	Ag Nanoparticles/AgX (X=Cl, Br and I) Composites with Enhanced Photocatalytic Activity and Low Toxicological Effects. ChemistrySelect, 2020, 5, 4655-4673.	0.7	29
470	Microwave-assisted hydrothermal synthesis of CuWO ₄ -palygorskite nanocomposite for enhanced visible photocatalytic response. Journal of Alloys and Compounds, 2021, 863, 158731.	2.8	29
471	Tuning structural, optical, and gas sensing properties of ceria-based materials by rare-earth doping. Journal of Alloys and Compounds, 2021, 888, 161517.	2.8	29
472	Towards shape-oriented Bi-doped CoCr ₂ O ₄ nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties. Journal of Materials Chemistry C, 2021, 9, 6452-6469.	2.7	29
473	A theoretical study of (1010) and (0001) ZnO surfaces: molecular cluster model, basis set and effective core potential dependence. Computational and Theoretical Chemistry, 1995, 330, 301-306.	1.5	28
474	Molecular Structure of the Molybdenum Oxo-Diperoxo Compound MoO(O ₂) ₂ (OPy)(H ₂ O):Â A Computational and X-ray Study. Inorganic Chemistry, 2001, 40, 6022-6025.	1.9	28
475	Thermal conductivity features of ZnO-based varistors using the laser-pulse method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 371, 377-381.	2.6	28
476	Influence of pH on iron doped Zn ₂ TiO ₄ pigments. Journal of Thermal Analysis and Calorimetry, 2005, 79, 451-454.	2.0	28
477	In situ oriented crystal growth in a ceramic nanostructured system. Journal of Applied Physics, 2005, 97, 024313.	1.1	28
478	Er ³⁺ as marker for order-disorder determination in the PbTiO ₃ system. Chemical Physics, 2007, 335, 7-14.	0.9	28
479	Contribution of structural order-disorder to the room-temperature photoluminescence of lead zirconate titanate powders. Journal of Luminescence, 2007, 127, 689-695.	1.5	28
480	Indium hydroxide nanocubes and microcubes obtained by microwave-assisted hydrothermal method. Journal of Alloys and Compounds, 2010, 497, L25-L28.	2.8	28
481	Resistive-Switching Behavior in Polycrystalline CaCu ₃ Ti ₄ O ₁₂ Nanorods. ACS Applied Materials & Interfaces, 2011, 3, 500-504.	4.0	28
482	Relationship between Crystal Shape, Photoluminescence, and Local Structure in SrTiO ₃ by Microwave-Assisted Hydrothermal Method. Journal of Nanomaterials, 2012, 2012, 1-6.	1.5	28
483	Intense photoluminescence emission at room temperature in calcium copper titanate powders. Ceramics International, 2013, 39, 3499-3506.	2.3	28
484	Pigments based on Cr and Sb doped TiO ₂ prepared by microemulsion-mediated solvothermal synthesis for inkjet printing on ceramics. Dyes and Pigments, 2015, 116, 106-113.	2.0	28
485	Antimicrobial activity of TiO ₂ :Ag nanocrystalline heterostructures: Experimental and theoretical insights. Chemical Physics, 2015, 459, 87-95.	0.9	28
486	Improved photoluminescence emission and gas sensor properties of ZnO thin films. Ceramics International, 2016, 42, 13555-13561.	2.3	28

#	ARTICLE	IF	CITATIONS
487	Structural, Electronic, Vibrational, and Topological Analysis of Single-Walled Zinc Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6814-6823.	1.5	28
488	CaTiO ₃ and Ca _{1-3x} Sm _x TiO ₃ : Photoluminescence and morphology as a result of Hydrothermal Microwave Methodology. <i>Ceramics International</i> , 2016, 42, 1352-1360.	2.3	28
489	Photoluminescent properties of the Ba _{1-x} Zn _x MoO ₄ heterostructure obtained by ultrasonic spray pyrolysis. <i>Ceramics International</i> , 2018, 44, 3775-3786.	2.3	28
490	Synthesis and characterization of ZrO ₂ @SiO ₂ core-shell nanostructure as nanocatalyst: Application for environmental remediation of rhodamine B dye aqueous solution. <i>Materials Chemistry and Physics</i> , 2019, 233, 1-8.	2.0	28
491	Synthesis and characterization of Ag ⁺ and Zn ²⁺ co-doped CaWO ₄ nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153617.	2.8	28
492	An ab initio perturbed ion study of structural properties of TiO ₂ , SnO ₂ and GeO ₂ rutile lattices. <i>Chemical Physics</i> , 1996, 212, 381-391.	0.9	27
493	Sintering and characterization of PLZT (9/65/35). <i>Ceramics International</i> , 2000, 26, 231-236.	2.3	27
494	Preparation, microstructural and electrical characterization of SrTiO ₃ thin films prepared by chemical route. <i>Journal of the European Ceramic Society</i> , 2001, 21, 419-426.	2.8	27
495	Sensitivity of SnO ₂ non-ohmic behavior to the sintering process and to the addition of La ₂ O ₃ . <i>Journal of the European Ceramic Society</i> , 2001, 21, 1179-1185.	2.8	27
496	Synthesis of Ni nanoparticles in microporous and mesoporous Al and Mg oxides. <i>Microporous and Mesoporous Materials</i> , 2004, 68, 151-157.	2.2	27
497	Nonlinear electrical behaviour of the Cr ₂ O ₃ , ZnO, CoO and Ta ₂ O ₅ -doped SnO ₂ varistors. <i>Ceramics International</i> , 2006, 32, 283-289.	2.3	27
498	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.	1.9	27
499	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, .	1.5	27
500	Comparison of non-Ohmic accelerated ageing of the ZnO- and SnO ₂ -based voltage dependent resistors. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 015503.	1.3	27
501	Room temperature photoluminescence of BCT prepared by Complex Polymerization Method. <i>Current Applied Physics</i> , 2010, 10, 16-20.	1.1	27
502	Joint Experimental and Theoretical Analysis of Order-Disorder Effects in Cubic BaZrO ₃ Assembled Nanoparticles under Decaohedral Shape. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4482-4490.	1.1	27
503	Luminescent properties of hybrid materials prepared by the polymeric precursor method. <i>Journal of Alloys and Compounds</i> , 2013, 579, 227-235.	2.8	27
504	Understanding the formation and growth of Ag nanoparticles on silver chromate induced by electron irradiation in electron microscope: A combined experimental and theoretical study. <i>Journal of Solid State Chemistry</i> , 2016, 239, 220-227.	1.4	27

#	ARTICLE	IF	CITATIONS
505	Photoluminescence properties of (Eu, Tb, Tm) co-doped PbMoO ₄ obtained by sonochemical synthesis. Journal of Alloys and Compounds, 2017, 700, 130-137.	2.8	27
506	Theoretical study of porous surfaces derived from graphene and boron nitride. Journal of Solid State Chemistry, 2018, 258, 247-255.	1.4	27
507	Luminescence properties of $\hat{\Gamma}$ -Ag ₂ WO ₄ nanorods co-doped with Li ⁺ and Eu ³⁺ cations and their effects on its structure. Journal of Luminescence, 2019, 206, 442-454.	1.5	27
508	Ab initio and semiempirical studies of the adsorption and dissociation of water on pure, defective, and doped MgO (001) surfaces. Journal of Chemical Physics, 1998, 109, 3671-3685.	1.2	26
509	Structural and electrical properties of SrBi ₂ Nb ₂ O ₉ thin films prepared by chemical aqueous solution at low temperature. Materials Letters, 1999, 40, 33-38.	1.3	26
510	Nonohmic behavior of SnO ₂ -MnO polycrystalline ceramics. II. Analysis of admittance and dielectric spectroscopy. Journal of Applied Physics, 2004, 96, 3811-3817.	1.1	26
511	The effects of Co, Ni and Mn on the thermal processing of Zn ₂ TiO ₄ pigments. Journal of Thermal Analysis and Calorimetry, 2005, 79, 455-459.	2.0	26
512	Photoluminescence: A probe for short, medium and long-range self-organization order in oxide. Journal of Solid State Chemistry, 2006, 179, 3997-4002.	1.4	26
513	Photoluminescence in disordered Sm-doped PbTiO ₃ : Experimental and theoretical approach. Journal of Applied Physics, 2006, 100, 034917.	1.1	26
514	Photoluminescent property of mechanically milled BaWO ₄ powder. Journal of Luminescence, 2007, 126, 741-746.	1.5	26
515	Influence of the precursor salts in the synthesis of CaSnO ₃ by the polymeric precursor method. Journal of Thermal Analysis and Calorimetry, 2007, 87, 763-766.	2.0	26
516	Morphological Evolution of Tin Oxide Nanobelts after Phase Transition. Crystal Growth and Design, 2008, 8, 1067-1072.	1.4	26
517	The influence of temperature on the color of TiO ₂ :Cr pigments. Materials Research Bulletin, 2009, 44, 1086-1092.	2.7	26
518	Experimental and theoretical studies on the enhanced photoluminescence activity of zinc sulfide with a capping agent. Journal of Applied Physics, 2011, 110, 123507.	1.1	26
519	Electronic structure and magnetic properties of FeWO ₄ nanocrystals synthesized by the microwave-hydrothermal method. Materials Characterization, 2012, 73, 124-129.	1.9	26
520	Effect of different strontium precursors on the growth process and optical properties of SrWO ₄ microcrystals. Journal of Materials Science, 2015, 50, 8089-8103.	1.7	26
521	A DFT investigation of the role of oxygen vacancies on the structural, electronic and magnetic properties of ATiO ₃ (A = Mn, Fe, Ni) multiferroic materials. Physical Chemistry Chemical Physics, 2018, 20, 28382-28392.	1.3	26
522	The catalytic mechanism of serine proteases II: The effect of the protein environment in the $\hat{\Gamma}$ -chymotrypsin proton relay system. Journal of Theoretical Biology, 1985, 112, 783-798.	0.8	25

#	ARTICLE	IF	CITATIONS
523	Key features of alumina/magnesia/graphite refractories for steel ladle lining. Journal of the European Ceramic Society, 2000, 20, 1419-1427.	2.8	25
524	Experimental and Theoretical Investigation of the Room-Temperature Photoluminescence of Amorphized Pb(Zr,Ti)O ₃ . ChemPhysChem, 2005, 6, 1530-1536.	1.0	25
525	Tin-doped indium oxide nanobelts grown by carbothermal reduction method. Applied Physics A: Materials Science and Processing, 2005, 80, 23-25.	1.1	25
526	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
527	Ferroelectric fatigue endurance of Bi _{4-x} LaxTi ₃ O ₁₂ thin films explained in terms of x-ray photoelectron spectroscopy. Journal of Applied Physics, 2007, 101, 084112.	1.1	25
528	Wet-chemical synthesis of magnesium niobate nanoparticles powders. Ceramics International, 2007, 33, 1205-1209.	2.3	25
529	Impact of oxygen atmosphere on piezoelectric properties of CaBi ₂ Nb ₂ O ₉ thin films. Acta Materialia, 2007, 55, 4707-4712.	3.8	25
530	Ferroelectric and dielectric behaviour of Bi _{0.92} La _{0.08} FeO ₃ multiferroic thin films prepared by soft chemistry route. Journal of Sol-Gel Science and Technology, 2007, 44, 269-273.	1.1	25
531	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O ₃ powders. Journal of Alloys and Compounds, 2008, 464, 340-346.	2.8	25
532	Intercalation processes and diffusion paths of lithium ions in spinel-type structured $\text{Li}_x\text{Ti}_2\text{O}_7$. Physical Review B, 2008, 77, .	1.1	25
533	Density functional theory. Physical Review B, 2008, 77, . Thermal analysis applied in the crystallization study of SrSnO ₃ . Journal of Thermal Analysis and Calorimetry, 2009, 97, 179-183.	2.0	25
534	In ₂ O ₃ microcrystals obtained from rapid calcination in domestic microwave oven. Materials Research Bulletin, 2010, 45, 1703-1706.	2.7	25
535	Photoluminescence of barium-calcium titanates obtained by the microwave-assisted hydrothermal method (MAH). Chemical Physics Letters, 2010, 488, 54-56.	1.2	25
536	Dielectric properties of soft chemical method derived CaCu ₃ Ti ₄ O ₁₂ thin films onto Pt/TiO ₂ /Si(100) substrates. Journal of Alloys and Compounds, 2011, 509, 3817-3821.	2.8	25
537	Insight into Copper-Based Catalysts: Microwave-Assisted Morphosynthesis, In-Situ Reduction Studies, and Dehydrogenation of Ethanol. ChemCatChem, 2011, 3, 839-843.	1.8	25
538	Photocatalytic activity of semiconductor sulfide heterostructures. Dalton Transactions, 2013, 42, 11111.	1.6	25
539	Enhanced bulk and superficial hydrophobicities of starch-based bionanocomposites by addition of clay. Industrial Crops and Products, 2013, 50, 449-455.	2.5	25
540	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

#	ARTICLE	IF	CITATIONS
541	A large red-shift in the photoluminescence emission of Mg _{1-x} Sr _x TiO ₃ . Chemical Physics Letters, 2015, 622, 9-14.	1.2	25
542	Biodiesel obtained by ethylic transesterification using CuO, ZnO and CeO ₂ supported on bentonite. Fuel, 2015, 160, 357-365.	3.4	25
543	Do environmental barriers affect the parent-reported quality of life of children and adolescents with cerebral palsy?. Research in Developmental Disabilities, 2016, 49-50, 312-321.	1.2	25
544	Cation-exchange mediated synthesis of hydrogen and sodium titanates heterojunction: Theoretical and experimental insights toward photocatalytic mechanism. Applied Surface Science, 2021, 538, 148137.	3.1	25
545	SrBi ₂ Nb ₂ O ₉ Thin films deposited by dip coating using aqueous solution. Journal of the European Ceramic Society, 1999, 19, 1409-1412.	2.8	24
546	The Influence of Excess Precipitate on the Non-Ohmic Properties of SnO ₂ -Based Varistors. , 2003, 10, 63-68.		24
547	Sulfide and Sulfoxide Oxidations by Mono- and Diperoxo Complexes of Molybdenum. A Density Functional Study. Journal of Organic Chemistry, 2003, 68, 5870-5874.	1.7	24
548	Investigation of electrical properties of tantalum doped SnO ₂ varistor system. Ceramics International, 2005, 31, 399-404.	2.3	24
549	Electronic structure of Pb _{1-x} La _x TiO ₃ ferroelectric materials from Ti 2p and O 1s soft x-ray absorption spectroscopy. Journal of Applied Physics, 2006, 99, 044104.	1.1	24
550	Size effects of polycrystalline lanthanum modified Bi ₄ Ti ₃ O ₁₂ thin films. Materials Research Bulletin, 2008, 43, 158-167.	2.7	24
551	Electrical Properties of Highly Conducting SnO ₂ :Sb Nanocrystals Synthesized using a Nonaqueous Sol-Gel Method. Journal of the American Ceramic Society, 2010, 93, 3862-3866.	1.9	24
552	The Role of Short-Range Disorder in BaWO ₄ Crystals in the Intense Green Photoluminescence. Journal of Physical Chemistry C, 2011, 115, 12180-12186.	1.5	24
553	Crystallization at room temperature from amorphous to trigonal selenium as a byproduct of the synthesis of water dispersible zinc selenide. Materials Letters, 2012, 87, 62-65.	1.3	24
554	Structural refinement and photoluminescence properties of irregular cube-like (Ca _{1-x} Cu _x)TiO ₃ microcrystals synthesized by the microwave hydrothermal method. Materials Chemistry and Physics, 2012, 136, 130-139.	2.0	24
555	Controlled Synthesis of Layered Sn ₃ O ₄ Nanobelts by Carbothermal Reduction Method and Their Gas Sensor Properties. Journal of Nanoscience and Nanotechnology, 2014, 14, 6662-6668.	0.9	24
556	Influence of solvent on the morphology and photocatalytic properties of ZnS decorated CeO ₂ nanoparticles. Journal of Applied Physics, 2014, 115, .	1.1	24
557	Monitoring a CuO gas sensor at work: an advanced in situ X-ray absorption spectroscopy study. Physical Chemistry Chemical Physics, 2015, 17, 18761-18767.	1.3	24
558	Effects of chemical substitution on the structural and optical properties of (Ag _{2-x} Ni _x)WO ₄ (0 ≤ x ≤ 0.08) solid solutions. Physical Chemistry Chemical Physics, 2016, 18, 21966-21975.	1.3	24

#	ARTICLE	IF	CITATIONS
559	On the morphology of BaMoO ₄ crystals: A theoretical and experimental approach. <i>Crystal Research and Technology</i> , 2016, 51, 634-644.	0.6	24
560	Electrical behavior of cerium dioxide films exposed to different gases atmospheres. <i>Ceramics International</i> , 2016, 42, 15023-15029.	2.3	24
561	Structural characterization and photoluminescence behavior of pure and doped potassium strontium niobates ceramics with tetragonal tungstenâ€“bronze structure. <i>Ceramics International</i> , 2016, 42, 4709-4714.	2.3	24
562	Synthesis and characterization of metastable \hat{I}^2 -Ag ₂ WO ₄ : an experimental and theoretical approach. <i>Dalton Transactions</i> , 2016, 45, 1185-1191.	1.6	24
563	A novel approach to obtain highly intense self-activated photoluminescence emissions in hydroxyapatite nanoparticles. <i>Journal of Solid State Chemistry</i> , 2017, 249, 64-69.	1.4	24
564	CaSnO ₃ obtained by modified Pechini method applied in the photocatalytic degradation of an azo dye. <i>Ceramica</i> , 2017, 63, 536-541.	0.3	24
565	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of Ag Cu PO ₄ powders. <i>Applied Surface Science</i> , 2018, 440, 61-72.	3.1	24
566	Silver-controlled evolution of morphological, structural, and optical properties of three-dimensional hierarchical WO ₃ structures synthesized from hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2018, 736, 143-151.	2.8	24
567	Characterization and electrochemical performance of CeO ₂ and Eu-doped CeO ₂ films as a manganese redox flow battery component. <i>Journal of Rare Earths</i> , 2018, 36, 1074-1083.	2.5	24
568	Geometry, electronic structure, morphology, and photoluminescence emissions of BaW _{1-x} MoxO ₄ (xâ€“=â€“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.	3.1	24
569	Microwave-Driven Hexagonal-to-Monoclinic Transition in BiPO ₄ : An In-Depth Experimental Investigation and First-Principles Study. <i>Inorganic Chemistry</i> , 2020, 59, 7453-7468.	1.9	24
570	Ab initio study of CO and H ₂ interaction on ZnO surfaces using a small cluster model. <i>Computational and Theoretical Chemistry</i> , 1997, 398-399, 457-466.	1.5	23
571	Lateral interaction of CO and H ₂ molecules on ZnO surfaces: an AM1 study. <i>Computational and Theoretical Chemistry</i> , 2000, 528, 161-170.	1.5	23
572	Magnetic properties of Ni:SiO ₂ nanocomposites synthesized by a modified sol-gel method. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 621-623.	1.1	23
573	Ceramic crucibles: a new alternative for melting of PbOâ€“BiO _{1.5} â€“GaO _{1.5} glasses. <i>Journal of Non-Crystalline Solids</i> , 2003, 319, 304-310.	1.5	23
574	Foundry sand recycling in the troughs of blast furnaces: a technical note. <i>Journal of Materials Processing Technology</i> , 2005, 159, 125-134.	3.1	23
575	Synthesis and photoluminescence study of La _{1.8} Eu _{0.2} O ₃ coating on nanometric \hat{I}^{\pm} -Al ₂ O ₃ . <i>Materials Research Bulletin</i> , 2006, 41, 1791-1797.	2.7	23
576	Effect of the modifier ion on the properties of MgFe ₂ O ₄ and ZnFe ₂ O ₄ pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 709-713.	2.0	23

#	ARTICLE	IF	CITATIONS
577	(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.	1.7	23
578	Dielectric investigations of vanadium modified barium zirconium titanate ceramics obtained from mixed oxide method. <i>Journal of Alloys and Compounds</i> , 2009, 479, 280-283.	2.8	23
579	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO ₃ Thin Films Prepared by the Polymeric Precursor Method: An Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15557-15567.	1.5	23
580	Lanthanum cobaltite black pigments with perovskite structure. <i>Dyes and Pigments</i> , 2013, 98, 459-463.	2.0	23
581	A simple procedure for the preparation of laponite and thermoplastic starch nanocomposites: Structural, mechanical, and thermal characterizations. <i>Journal of Thermoplastic Composite Materials</i> , 2013, 26, 109-124.	2.6	23
582	CO ₂ adsorption on polar surfaces of ZnO. <i>Journal of Molecular Modeling</i> , 2013, 19, 2069-2078.	0.8	23
583	Optical and structural investigation of ZnO@ZnS core-shell nanostructures. <i>Materials Chemistry and Physics</i> , 2016, 173, 347-354.	2.0	23
584	Periodic density functional theory study of structural and electronic properties of single-walled zinc oxide and carbon nanotubes. <i>Journal of Solid State Chemistry</i> , 2016, 237, 36-47.	1.4	23
585	One-step synthesis of CaMoO ₄ : Eu ³⁺ nanospheres by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 16867-16879.	1.1	23
586	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
587	Photocatalytic activity and photoluminescence properties of TiO ₂ , In ₂ O ₃ , TiO ₂ /In ₂ O ₃ thin films multilayer. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6530-6542.	1.1	23
588	Portable Laboratory Platform With Electrochemical Biosensors for Immunodiagnostic of Hepatitis C Virus. <i>IEEE Sensors Journal</i> , 2019, 19, 10701-10709.	2.4	23
589	Effect of Gd ³⁺ doping on structural and photocatalytic properties of ZnO obtained by facile microwave-hydrothermal method. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	23
590	Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO ₄ nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , 2020, 46, 1766-1774.	2.3	23
591	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.	1.0	23
592	Effective strategy to coupling Zr-MOF/ZnO: Synthesis, morphology and photoelectrochemical properties evaluation. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121794.	1.4	23
593	Influence of La ₂ O ₃ , Pr ₂ O ₃ and CeO ₂ on the nonlinear properties of SnO ₂ multicomponent varistors. <i>Materials Chemistry and Physics</i> , 2002, 74, 150-153.	2.0	22
594	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr _{0.3} Ti _{0.7} O ₃ thin films. <i>Journal of Applied Physics</i> , 2004, 96, 2186-2191.	1.1	22

#	ARTICLE	IF	CITATIONS
595	Nonohmic behavior of SnO ₂ -MnO polycrystalline ceramics. I. Correlations between microstructural morphology and nonohmic features. <i>Journal of Applied Physics</i> , 2004, 96, 2693-2700.	1.1	22
596	Photoluminescence in amorphous zirconium titanate. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 355-358.	1.1	22
597	Synthesis by the polymeric precursor method and characterization of undoped and Sn, Cr and V-doped ZrTiO. <i>Journal of Alloys and Compounds</i> , 2005, 397, 255-259.	2.8	22
598	High Curie point CaBi ₂ Nb ₂ O ₉ thin films: A potential candidate for lead-free thin-film piezoelectrics. <i>Journal of Applied Physics</i> , 2006, 100, 074110.	1.1	22
599	Control of retention and fatigue-free characteristics in CaBi ₄ Ti ₄ O ₁₅ thin films prepared by chemical method. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2206-2211.	1.4	22
600	Thermal and structural investigation of SnO ₂ /Sb ₂ O ₃ obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 697-701.	2.0	22
601	Study of Structural and Photoluminescent Properties of Ca ₈ Eu ₂ (PO ₄) ₆ O ₂ . <i>Journal of Fluorescence</i> , 2008, 18, 253-259.	1.3	22
602	Electric and dielectric behavior of CaCu ₃ Ti ₄ O ₁₂ -based thin films obtained by soft chemical method. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9930-9933.	2.8	22
603	Synthesis, optical and ferroelectric properties of PZT thin films: experimental and theoretical investigation. <i>Journal of Materials Chemistry</i> , 2012, 22, 6587.	6.7	22
604	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.	1.8	22
605	First-Principles Study on Polymorphs of AgVO ₃ : Assessing to Structural Stabilities and Pressure-Induced Transitions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27624-27642.	1.5	22
606	Uncovering the metastable \hat{I}^3 -Ag ₂ WO ₄ phase: a joint experimental and theoretical study. <i>RSC Advances</i> , 2017, 7, 5610-5620.	1.7	22
607	Experimental and theoretical study of the energetic, morphological, and photoluminescence properties of CaZr ₃ :Eu ³⁺ . <i>CrystEngComm</i> , 2018, 20, 5519-5530.	1.3	22
608	\hat{I}^3 -AgVO ₃ Decorated by Hydroxyapatite (Ca ₁₀ (PO ₄) ₆ (OH) ₂): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , 2019, 58, 5900-5913.	1.9	22
609	Exploring the Properties of Niobium Oxide Films for Electron Transport Layers in Perovskite Solar Cells. <i>Frontiers in Chemistry</i> , 2019, 7, 50.	1.8	22
610	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.	1.8	22
611	Influence of Synthesis Time on the Morphology and Properties of CeO ₂ Nanoparticles: An Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2020, 20, 5031-5042.	1.4	22
612	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.	1.5	22

#	ARTICLE	IF	CITATIONS
613	An alternative chemical route for synthesis of SrBi ₂ Ta ₂ O ₉ thin films. Journal of Materials Research, 2000, 15, 2091-2095.	1.2	21
614	Theoretical analysis of the energy levels induced by oxygen vacancies and the doping process (Co, Cu) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.5	21
615	Effect of Fe ₂ O ₃ doping on the electrical properties of a SnO ₂ based varistor. Journal of Materials Science, 2002, 37, 2407-2411.	1.7	21
616	Structural phase evolution of strontium-doped lead titanate thin films prepared by the soft chemical technique. Journal of Materials Research, 2003, 18, 659-663.	1.2	21
617	Combined wet-chemical process to synthesize 65PMN-35PT nanosized powders. Journal of Alloys and Compounds, 2004, 372, 111-115.	2.8	21
618	Retention characteristics in Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films prepared by the polymeric precursor method. Applied Physics Letters, 2005, 86, 112909.	1.5	21
619	Effect of annealing time on morphological characteristics of Ba(Zr,Ti)O ₃ thin films. Journal of Alloys and Compounds, 2007, 437, 269-273.	2.8	21
620	Dependence of the nonlinear electrical behavior of SnO ₂ -based varistors on Cr ₂ O ₃ addition. Ceramics International, 2007, 33, 187-192.	2.3	21
621	Influence of Structural Disorder on the Photoluminescence Emission of PZT Powders. Journal of Physical Chemistry A, 2008, 112, 8953-8957.	1.1	21
622	Development of metal oxide nanoparticles by soft chemical method. Ceramics International, 2009, 35, 463-466.	2.3	21
623	Novel SrTi _{1-x} FexO ₃ nanocubes synthesized by microwave-assisted hydrothermal method. CrystEngComm, 2012, 14, 4068.	1.3	21
624	Addition of sedimentary rock to kaolinitic clays: influence on sintering process. Ceramica, 2013, 59, 147-155.	0.3	21
625	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO ₄ microcrystals. Materials Science in Semiconductor Processing, 2014, 26, 425-430.	1.9	21
626	Photocatalytic evaluation of the magnetic core@shell system (Co,Mn)Fe ₂ O ₄ @TiO ₂ obtained by the modified Pechini method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 229, 218-226.	1.7	21
627	±- and ² -AgVO ₃ polymorphs as photoluminescent materials: An example of temperature-driven synthesis. Ceramics International, 2018, 44, 5939-5944.	2.3	21
628	Formation of Ag nanoparticles under electron beam irradiation: Atomistic origins from first-principles calculations. International Journal of Quantum Chemistry, 2018, 118, e25551.	1.0	21
629	Probing the Site-Selective Doping in SrSnO ₃ :Eu Oxides and Its Impact on the Crystal and Electronic Structures Using Synchrotron Radiation and DFT Simulations. Inorganic Chemistry, 2020, 59, 7666-7680.	1.9	21
630	Synthesis of Ag ₃ PO ₄ /SnO ₂ composite photocatalyst for improvements in photocatalytic activity under visible light. Materials Science in Semiconductor Processing, 2021, 135, 106064.	1.9	21

#	ARTICLE	IF	CITATIONS
631	Direct Amorphous to Cubic Perovskite Phase Transformation for Lead Titanate. Journal of the American Ceramic Society, 2000, 83, 1539-1541.	1.9	20
632	Seeding of PMN powders made by the Pechini method. Ceramics International, 2001, 27, 509-515.	2.3	20
633	Nanostructured Li Ion Insertion Electrodes. 2. Tin Dioxide Nanocrystalline Layers and Discussion on "Nanoscale Effect". Journal of Physical Chemistry B, 2003, 107, 8878-8883.	1.2	20
634	Influence of temperature on the dielectric and ferroelectric properties of bismuth titanate thin films obtained by the polymeric precursor method. Materials Chemistry and Physics, 2005, 92, 373-378.	2.0	20
635	Why Do Peroxomolybdenum Complexes Chemoselectively Oxidize the Sulfur Centers of Unsaturated Sulfides and Sulfoxides? A DFT Analysis. European Journal of Organic Chemistry, 2005, 2005, 2406-2415.	1.2	20
636	Ferroelectric characteristics of SrBi ₄ Ti ₄ O ₁₅ thin films grown on Pt/Ti/SiO ₂ /Si substrates by the soft chemical method. Materials Letters, 2006, 60, 2020-2023.	1.3	20
637	Niobium doped Bi ₄ Ti ₃ O ₁₂ ceramics obtained by the polymeric precursor method. Materials Letters, 2007, 61, 588-591.	1.3	20
638	Effect of Variations in Annealing Temperature and Metallic Cations on Nanostructured Molybdate Thin Films. Nanoscale Research Letters, 2008, 3, 152-157.	3.1	20
639	Leakage current behavior of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ ferroelectric thin films deposited on different bottom electrodes. Materials Chemistry and Physics, 2008, 107, 72-76.	2.0	20
640	Preparation and characterizations of Ba _{0.8} Ca _{0.2} TiO ₃ by complex polymerization method (CPM). Journal of Alloys and Compounds, 2008, 465, 452-457.	2.8	20
641	Structural transition on Pb _{1-x} Sr _x TiO ₃ produced by chemical method. Journal of Alloys and Compounds, 2009, 475, 940-945.	2.8	20
642	Sintering of porous alumina obtained by biotemplate fibers for low thermal conductivity applications. Journal of the European Ceramic Society, 2013, 33, 1087-1092.	2.8	20
643	Hydrostatic and [001] Uniaxial Pressure on Anatase TiO ₂ by Periodic B3LYP-D* Calculations. Journal of Physical Chemistry C, 2013, 117, 7050-7061.	1.5	20
644	Towards controlled synthesis and better understanding of blue shift of the CaS crystals. Journal of Materials Chemistry C, 2014, 2, 2743.	2.7	20
645	Synthesis of Pr ³⁺ -doped CaTiO ₃ using polymeric precursor and microwave-assisted hydrothermal methods: A comparative study. Ceramics International, 2015, 41, 12841-12848.	2.3	20
646	Electronic structure of GaN nanotubes. Comptes Rendus Chimie, 2017, 20, 190-196.	0.2	20
647	Photoluminescence and photocatalytic properties of Ag/AgCl synthesized by sonochemistry: statistical experimental design. Journal of Materials Science: Materials in Electronics, 2017, 28, 12273-12281.	1.1	20
648	Influence of ionic liquid on the photoelectrochemical properties of ZnO particles. Ceramics International, 2018, 44, 10393-10401.	2.3	20

#	ARTICLE	IF	CITATIONS
649	White light emission from single-phase Y ₂ MoO ₆ : xPr ³⁺ (x = 1, 2, 3 and 4 mol%) phosphor. Journal of Alloys and Compounds, 2018, 769, 420-429.	2.8	20
650	Tb ³⁺ /Pr ³⁺ co-doped ZnMoO ₄ phosphor with tunable photoluminescence and energy transfer processes. Optical Materials, 2019, 96, 109332.	1.7	20
651	Fast and continuous obtaining of Eu ³⁺ doped CeO ₂ microspheres by ultrasonic spray pyrolysis: characterization and photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 11508-11519.	1.1	20
652	Characterization of the structural, optical, photocatalytic and <i>in vitro</i> and <i>in vivo</i> anti-inflammatory properties of Mn ²⁺ doped Zn ₂ GeO ₄ nanorods. Journal of Materials Chemistry C, 2019, 7, 8216-8225.	2.7	20
653	Laser and electron beam-induced formation of Ag/Cr structures on Ag ₂ CrO ₄ . Physical Chemistry Chemical Physics, 2019, 21, 6101-6111.	1.3	20
654	Unconventional Magnetization Generated from Electron Beam and Femtosecond Irradiation on Ag_2WO_4 : A Quantum Chemical Investigation. ACS Omega, 2020, 5, 10052-10067.	1.6	20
655	Reading at exposed surfaces: theoretical insights into photocatalytic activity of ZnWO ₄ . , 0, 1, 1005.		20
656	Quantum chemical study of the adsorption of water on zinc oxide surface. Computational and Theoretical Chemistry, 1994, 303, 19-24.	1.5	19
657	Crystallographic and magnetic structure of polycrystalline Zn ₇₋₈ Ni _x Sb ₂ O ₁₂ spinels. Materials Chemistry and Physics, 2000, 65, 208-211.	2.0	19
658	Ferroelectric and microstructural characteristics of SrBi ₂ Ta ₂ O ₉ thin films crystallized by the rapid thermal annealing process. Journal of Applied Physics, 2001, 89, 3416-3419.	1.1	19
659	Thermal study of Co _x Zn _{7-x} Sb ₂ O ₁₂ spinel obtained by pechini method using different alcohols. Journal of Thermal Analysis and Calorimetry, 2004, 75, 453-460.	2.0	19
660	Theoretical and experimental study of the relation between photoluminescence and structural disorder in barium and strontium titanate thin films. Journal of the European Ceramic Society, 2005, 25, 2337-2340.	2.8	19
661	Nature of defects for bismuth layered thin films grown on Pt electrodes. Applied Physics Letters, 2007, 90, 082910.	1.5	19
662	Ferroelectric and piezoelectric properties of bismuth titanate thin films grown on different bottom electrodes by soft chemical solution and microwave annealing. Materials Research Bulletin, 2007, 42, 975-981.	2.7	19
663	Synthesis and characterization of CaBi ₄ Ti ₄ O ₁₅ thin films annealed by microwave and conventional furnaces. Solid State Sciences, 2007, 9, 756-760.	1.5	19
664	BaZrO ₃ photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. International Journal of Quantum Chemistry, 2011, 111, 694-701.	1.0	19
665	Indirect doping of microstructures fabricated by two-photon polymerization with gold nanoparticles. Optics Express, 2012, 20, 21107.	1.7	19
666	Structural and Electronic Properties of Lithiated SnO ₂ . A Periodic DFT Study. Journal of Physical Chemistry C, 2012, 116, 16127-16137.	1.5	19

#	ARTICLE	IF	CITATIONS
667	Photoluminescence properties and synthesis of a PZT mesostructure obtained by the microwave-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2012, 512, 124-127.	2.8	19
668	Photoluminescence properties of PZT 52/48 synthesized by microwave hydrothermal method using PVA with template. <i>Journal of Luminescence</i> , 2012, 132, 46-50.	1.5	19
669	CaCu ₃ Ti ₄ O ₁₂ thin films with non-linear resistivity deposited by RF-sputtering. <i>Journal of Alloys and Compounds</i> , 2013, 574, 604-608.	2.8	19
670	New methodology for a faster synthesis of SrSnO ₃ by the modified Pechini method. <i>Ceramica</i> , 2013, 59, 249-253.	0.3	19
671	An investigation into the influence of zinc precursor on the microstructural, photoluminescence, and gas-sensing properties of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	19
672	Photoluminescence properties of CaTiO ₃ :Eu ³⁺ nanophosphor obtained by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2014, 145, 141-150.	2.0	19
673	Structural refinement, optical and electrical properties of [Ba _{1-x} Sm _{2x/3}](Zr _{0.05} Ti _{0.95})O ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3427-3439.	1.1	19
674	Photoluminescence in NaNbO ₃ particles and films. <i>Materials Letters</i> , 2015, 139, 443-446.	1.3	19
675	Microwave-assisted hydrothermal synthesis of Ag ₂ (W _{1-x} Mox)O ₄ heterostructures: Nucleation of Ag, morphology, and photoluminescence properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 428-435.	2.0	19
676	Photocurrent Response and Progesterone Degradation by Employing WO ₃ Films Modified with Platinum and Silver Nanoparticles. <i>ChemPlusChem</i> , 2018, 83, 1153-1161.	1.3	19
677	From Complex Inorganic Oxides to Ag-Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <i>ACS Omega</i> , 2018, 3, 9880-9887.	1.6	19
678	Influence of polymer insertion on the dielectric, piezoelectric and acoustic properties of 1-0-3 polyurethane/cement-based piezo composite. <i>Materials Research Bulletin</i> , 2019, 119, 110541.	2.7	19
679	Environmental remediation properties of Bi ₂ WO ₆ hierarchical nanostructure: A joint experimental and theoretical investigation. <i>Journal of Solid State Chemistry</i> , 2019, 274, 270-279.	1.4	19
680	Nanostructured ZnS:Cu phosphor: Correlation between photoluminescence properties and local structure. <i>Journal of Luminescence</i> , 2019, 206, 292-297.	1.5	19
681	Surface-dependent properties of λ -Ag ₂ WO ₄ : a joint experimental and theoretical investigation. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	0.5	19
682	Growth mechanism and vibrational and optical properties of SrMoO ₄ : Tb ³⁺ , Sm ³⁺ particles: green-orange tunable color. <i>Journal of Materials Science</i> , 2020, 55, 8610-8629.	1.7	19
683	Modulating the properties of multifunctional semiconductors by means of morphology: Theory meets experiments. <i>Computational Materials Science</i> , 2021, 188, 110217.	1.4	19
684	Enhanced photocatalytic activity of CaMoO ₄ /g-C ₃ N ₄ composites obtained via sonochemistry synthesis. <i>Materials Research Bulletin</i> , 2022, 146, 111621.	2.7	19

#	ARTICLE	IF	CITATIONS
685	Phase analysis of seeded and doped $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ prepared by organic solution of citrates. <i>Journal of Materials Research</i> , 1996, 11, 1795-1799.	1.2	18
686	Crystallization study of SrTiO_3 thin films prepared by dip coating. <i>Materials Research</i> , 1999, 2, 93-97.	0.6	18
687	The effect of isostructural seeding on the microstructure and piezoelectric properties of PZT ceramics. <i>Ceramics International</i> , 1999, 25, 239-244.	2.3	18
688	Electrical conduction mechanism and phase transition studies using dielectric properties and Raman spectroscopy in ferroelectric $\text{Pb}_{0.76}\text{Ca}_{0.24}\text{TiO}_3$ thin films. <i>Journal of Applied Physics</i> , 2003, 94, 7256-7260.	1.1	18
689	Ferroelectric and Dielectric Properties of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Journal of Electroceramics</i> , 2004, 13, 65-70.	0.8	18
690	Room temperature photoluminescence of amorphous $\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$ doped with chromium. <i>Journal of Solid State Chemistry</i> , 2004, 177, 670-674.	1.4	18
691	A DFT rationalization of the room temperature photoluminescence of $\text{Li}_2\text{TiSiO}_5$. <i>Chemical Physics Letters</i> , 2004, 398, 330-335.	1.2	18
692	Ferroelectric properties and leakage current characteristics of $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin films prepared by the polymeric precursor method. <i>Journal of Applied Physics</i> , 2005, 98, 114103.	1.1	18
693	How Cr_2O_3 influences the microstructure and nonohmic features of the $\text{SnO}_2(\text{Co}_x, \text{Mn}_{1-x})\text{O}$ -based varistor system. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1221-1229.	2.8	18
694	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.	1.1	18
695	Lanthanum-based perovskites obtained by the polymeric precursor method. <i>Journal of Materials Science</i> , 2008, 43, 551-556.	1.7	18
696	Structural and microstructural characterization of $\text{SrBi}_2(\text{Ta}_{0.5}\text{Nb}_{0.48}\text{W}_{0.02})_2\text{O}_9$ powders. <i>Journal of Alloys and Compounds</i> , 2008, 454, 61-65.	2.8	18
697	Heterogeneous Fenton reactants: a study of the behavior of iron oxide nanoparticles obtained by the polymeric precursor method. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 299-303.	1.1	18
698	Polymeric precursor method to the synthesis of XWO_4 (X=Ca and Sr) thin films—Structural, microstructural and spectroscopic investigations. <i>Journal of Alloys and Compounds</i> , 2009, 477, 608-615.	2.8	18
699	Effect of oxidizing atmosphere on ferroelectric and piezoelectric response of $\text{CaBi}_2\text{Nb}_2\text{O}_9$ thin films. <i>Materials Chemistry and Physics</i> , 2010, 124, 894-899.	2.0	18
700	Photolumiscent Properties of Nanorods and Nanoplates $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$. <i>Journal of Fluorescence</i> , 2011, 21, 1431-1438.	1.3	18
701	Influence of the network modifier on the characteristics of MSnO_3 (M=Sr and Ca) thin films synthesized by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , 2013, 199, 34-41.	1.4	18
702	Overactive bladder — 18 years — part I. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2016, 42, 188-198.	0.7	18

#	ARTICLE	IF	CITATIONS
703	Structural investigation and photoluminescent properties of ZnWO ₄ :Dy ³⁺ nanocrystals. Journal of Materials Science: Materials in Electronics, 2017, 28, 15466-15479.	1.1	18
704	Computational Chemistry Meets Experiments for Explaining the Geometry, Electronic Structure, and Optical Properties of Ca ₁₀ V ₆ O ₂₅ . Inorganic Chemistry, 2018, 57, 15489-15499.	1.9	18
705	Influence of defects on photoluminescent and photocatalytic behavior of CaO/SrTiO ₃ heterojunctions. Ceramics International, 2019, 45, 15244-15251.	2.3	18
706	Synthesis and characterization of Nd(OH) ₃ -ZnO composites for application in photocatalysis and disinfection. Chemical Engineering Journal, 2020, 392, 123737.	6.6	18
707	One-step controllable synthesis of three-dimensional WO ₃ hierarchical architectures with different morphologies decorated with silver nanoparticles: enhancing the photocatalytic activity. RSC Advances, 2020, 10, 6625-6639.	1.7	18
708	Surface-dependent photocatalytic and biological activities of Ag ₂ CrO ₄ : Integration of experiment and simulation. Applied Surface Science, 2021, 545, 148964.	3.1	18
709	Selective Synthesis of $\hat{1}^{\pm}$, $\hat{1}^2$, and $\hat{1}^3$ -Ag ₂ WO ₄ Polymorphs: Promising Platforms for Photocatalytic and Antibacterial Materials. Inorganic Chemistry, 2021, 60, 1062-1079.	1.9	18
710	Observation of dielectric dispersion and relaxation behavior in Ni ²⁺ -substituted cobalt ferrite nanoparticles. Journal of Materials Chemistry C, 2022, 10, 3418-3428.	2.7	18
711	Model for zinc oxide varistor. Journal of Materials Research, 1998, 13, 1152-1157.	1.2	17
712	Experimental and theoretical study on the piezoelectric behavior of barium doped PZT. Journal of Materials Science, 1999, 34, 3659-3667.	1.7	17
713	Cracks developed during SrTiO ₃ thin-film preparation from polymeric precursors. Applied Organometallic Chemistry, 1999, 13, 373-382.	1.7	17
714	Photoluminescence in amorphous TiO ₂ -PbO systems. Applied Physics A: Materials Science and Processing, 2001, 73, 567-569.	1.1	17
715	Title is missing!. Journal of Materials Science, 2001, 36, 3565-3571.	1.7	17
716	Effect of La ₂ O ₃ doping on the microstructure and electrical properties of a SnO ₂ -based varistor. Journal of Materials Science: Materials in Electronics, 2001, 12, 69-74.	1.1	17
717	Low temperature crystallization of SrBi ₂ Ta ₂ O ₉ thin films using microwave oven. Thin Solid Films, 2004, 466, 62-68.	0.8	17
718	Color and structural analysis of Co _x Zn _{7-\hat{x}} Sb ₂ O ₁₂ pigments. Materials Research Bulletin, 2006, 41, 2049-2056.	2.7	17
719	Barium strontium titanate nanocrystalline thin films prepared by soft chemical method. Journal of the European Ceramic Society, 2007, 27, 3799-3802.	2.8	17
720	Sol-gel synthesis and characterization of Fe ₂ O ₃ -CeO ₂ doped with Pr ceramic pigments. Journal of Sol-Gel Science and Technology, 2008, 47, 38-43.	1.1	17

#	ARTICLE	IF	CITATIONS
721	Disorder-dependent photoluminescence in Ba _{0.8} Ca _{0.2} TiO ₃ at room temperature. <i>Journal of Luminescence</i> , 2009, 129, 686-690.	1.5	17
722	Oxide surface modification: Synthesis and characterization of zirconia-coated alumina. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 256-262.	5.0	17
723	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO ₃ systems. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 12-17.	1.9	17
724	Influence of Cu(II) in the SrSnO ₃ crystallization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 513-517.	2.0	17
725	Effect of Seed Addition on SnO_2 -Based Varistors for Low Voltage Application. <i>Journal of the American Ceramic Society</i> , 2013, 96, 524-530.	1.9	17
726	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.	2.0	17
727	Structural, electronic and optical properties of Fe(III) complex with pyridine-2,6-dicarboxylic acid: A combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2014, 416, 200-206.	1.2	17
728	Europium-doped calcium titanate: Optical and structural evaluations. <i>Journal of Alloys and Compounds</i> , 2014, 585, 154-162.	2.8	17
729	Europium doped zinc sulfide: a correlation between experimental and theoretical calculations. <i>Journal of Molecular Modeling</i> , 2014, 20, 2375.	0.8	17
730	Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO ₃ by chemical synthesis. <i>Ceramics International</i> , 2015, 41, 9265-9275.	2.3	17
731	Morphological evolution and visible light-induced degradation of Rhodamine 6G by nanocrystalline bismuth tungstate prepared using a template-based approach. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 96-97, 83-91.	1.9	17
732	Unveiling the correlation between structural order/disorder character and photoluminescence emissions of NaNbO ₃ . <i>CrystEngComm</i> , 2017, 19, 4378-4392.	1.3	17
733	Laser-induced formation of bismuth nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13693-13696.	1.3	17
734	Porous silicene and silicon graphenylene-like surfaces: a DFT study. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	0.5	17
735	Microwave-assisted hydrothermal synthesis followed by heat treatment: A new route to obtain CaZrO ₃ . <i>Ceramics International</i> , 2018, 44, 953-958.	2.3	17
736	Investigation of charge recombination lifetime in β -WO ₃ films modified with Ag ₂ O and PtO nanoparticles and its influence on photocurrent density. <i>Ionics</i> , 2018, 24, 3291-3297.	1.2	17
737	Computational procedure to an accurate DFT simulation to solid state systems. <i>Computational Materials Science</i> , 2019, 170, 109176.	1.4	17
738	Antifungal activity and biocompatibility of β -AgVO ₃ microcrystals: A promising material against oral Candida disease. <i>Materials Science and Engineering C</i> , 2020, 108, 110405.	3.8	17

#	ARTICLE	IF	CITATIONS
739	Preparation and characterization of hematite nanoparticles-decorated zinc oxide particles (ZnO/Fe ₂ O ₃) as photoelectrodes for solar cell applications. <i>Journal of Materials Science</i> , 2020, 55, 2923-2936.	1.7	17
740	Influence of PZT insertion on Portland cement curing process and piezoelectric properties of 0â€³ cement-based composites by impedance spectroscopy. <i>Construction and Building Materials</i> , 2020, 238, 117675.	3.2	17
741	Theoretical study of cluster models and molecular hydrogen interaction with SnO ₂ [110] surface. <i>Computational and Theoretical Chemistry</i> , 1995, 335, 167-174.	1.5	16
742	Piezoelectric behaviour of PZT doped with calcium: a combined experimental and theoretical study. <i>Journal of Materials Science</i> , 1997, 32, 2381-2386.	1.7	16
743	An ab initio study of oxygen vacancies and doping process of Nb and Cr atoms on TiO ₂ (110) surface models. <i>International Journal of Quantum Chemistry</i> , 1997, 65, 625-631.	1.0	16
744	CO ₂ and NH ₃ interaction with ZnO surface: An AM1 study. <i>International Journal of Quantum Chemistry</i> , 1998, 70, 367-374.	1.0	16
745	Structural and surface morphology characterizations of oriented LiNbO ₃ thin films grown by polymeric precursor method. <i>Journal of the European Ceramic Society</i> , 1999, 19, 1447-1451.	2.8	16
746	Composition control of SBN thin films deposited by PLD on various substrates. <i>Solid State Sciences</i> , 2001, 3, 1133-1135.	0.8	16
747	Thermal Study of the Ceramic Pigments Co _x Zn(7âˆ³x)Sb ₂ O ₁₂ . <i>Magyar AprÃ³vad KÃ¶zlemÃ©nyek</i> , 2002, 67, 459-464.	1.4	16
748	Influence of the oxygen adsorbed on tin varistors doped with Co, Mn and Cr oxides. <i>Journal of Materials Science: Materials in Electronics</i> , 2002, 13, 409-414.	1.1	16
749	A theoretical analysis on electronic structure of the (110) surface of TiO ₂ â€³SnO ₂ mixed oxide. <i>Computational and Theoretical Chemistry</i> , 2003, 629, 307-314.	1.5	16
750	Very large dielectric constant of highly oriented Pb _{1âˆ³x} Ba _x TiO ₃ thin films prepared by chemical deposition. <i>Applied Physics Letters</i> , 2004, 84, 248-250.	1.5	16
751	Nonlinear behavior of TiO ₂ Â·Ta ₂ O ₅ Â·MnO ₂ material doped with BaO and Bi ₂ O ₃ . <i>Materials Chemistry and Physics</i> , 2004, 85, 96-103.	2.0	16
752	Synthesis of nanocrystalline ytterbium modified PbTiO ₃ . <i>Journal of Solid State Chemistry</i> , 2004, 177, 1542-1548.	1.4	16
753	Characteristics of PbOâ€³BiO_{1.5}â€³GaO_{1.5} Glasses Melted in SnO₂ Crucibles. <i>Journal of the American Ceramic Society</i> , 1998, 81, 705-708.	1.9	16
754	Stability studies on undoped and doped Mg<Subscript>2</Subscript>TiO<Subscript>4</Subscript>, obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 421-424.	2.0	16
755	Luminescence in semi-crystalline zirconium titanate doped with lanthanum. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 434, 19-22.	2.6	16
756	Synthesis and electrical characterization of CaBi ₂ Nb ₂ O ₉ thin films deposited on Pt/Ti/SiO ₂ /Si substrates by polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2006, 98, 203-206.	2.0	16

#	ARTICLE	IF	CITATIONS
757	Pb ^{1-x} CaxTiO ₃ solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach. <i>Physical Review B</i> , 2007, 75, .	1.1	16
758	Dependence of La ₂ O ₃ content on the nonlinear electrical behaviour of ZnO, CoO and Ta ₂ O ₅ doped SnO ₂ varistors. <i>Materials Letters</i> , 2007, 61, 2121-2125.	1.3	16
759	Grain size effect on the electrical response of SnO ₂ thin and thick film gas sensors. <i>Materials Research</i> , 2009, 12, 83-87.	0.6	16
760	Structural XANES characterization of Ca _{0.99} Sm _{0.01} TiO ₃ perovskite and correlation with photoluminescence emission. <i>Chemical Physics Letters</i> , 2012, 544, 43-48.	1.2	16
761	Quantum mechanical modeling of excited electronic states and their relationship to cathodoluminescence of BaZrO ₃ . <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	16
762	Blue and red light photoluminescence emission at room temperature from CaTiO ₃ decorated with Ag ₂ WO ₄ . <i>Ceramics International</i> , 2017, 43, 5759-5766.	2.3	16
763	Computational Modeling for the Ag Nanoparticle Coalescence Process: A Case of Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7030-7036.	1.5	16
764	Effects of microwave-assisted hydrothermal treatment and of use of capping reagent on the photophysical properties of SrMoO ₄ phosphors. <i>Journal of Luminescence</i> , 2017, 192, 818-826.	1.5	16
765	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.	2.8	16
766	Novel gas sensor with dual response under CO(g) exposure: Optical and electrical stimuli. <i>Physica B: Condensed Matter</i> , 2018, 536, 280-288.	1.3	16
767	Photocatalytic Properties under Sunlight of Heterostructures AgCl/CuO Obtained by Sonochemical Method. <i>Plasmonics</i> , 2019, 14, 79-89.	1.8	16
768	Controlling parameters and characteristics of electrochemical biosensors for enhanced detection of 8-hydroxy-2'-deoxyguanosine. <i>Scientific Reports</i> , 2019, 9, 7411.	1.6	16
769	Connecting Theory with Experiment to Understand the Sintering Processes of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11310-11318.	1.5	16
770	Investigation on acid functionalization of double-walled carbon nanotubes of different lengths on the development of amperometric sensors. <i>Electrochimica Acta</i> , 2019, 299, 762-771.	2.6	16
771	Zinc-substituted Ag ₂ CrO ₄ : A material with enhanced photocatalytic and biological activity. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155315.	2.8	16
772	Novel Approaches of Nanocerria with Magnetic, Photoluminescent, and Gas-Sensing Properties. <i>ACS Omega</i> , 2020, 5, 14879-14889.	1.6	16
773	A theoretical analysis on the intramolecular proton transfer of L-alanine in an aqueous medium. <i>Chemical Physics Letters</i> , 1998, 294, 1-8.	1.2	15
774	Microstructure and dielectric properties of (Ba,Sr)TiO ₃ thin film produced by the polymeric precursor method. <i>Journal of Materials Research</i> , 2000, 15, 1176-1181.	1.2	15

#	ARTICLE	IF	CITATIONS
775	SnO ₂ -Nb ₂ O ₅ films for ethanol sensor, obtained by deposition of alcoholic suspensions. <i>Materials Letters</i> , 2000, 43, 166-169.	1.3	15
776	Theoretical ab initio study of ranitidine. <i>International Journal of Quantum Chemistry</i> , 2002, 90, 575-586.	1.0	15
777	Composition and electronic structure of Zn _{1-x} M _x Sb ₂ O ₁₂ (M=Ni and Co) spinel compounds. <i>Materials Chemistry and Physics</i> , 2004, 85, 377-382.	2.0	15
778	Effects of post-annealing on the dielectric properties of Au/BaTiO ₃ /Pt thin film capacitors. <i>Materials Letters</i> , 2004, 58, 1715-1721.	1.3	15
779	Preparation of KNbO ₃ thin films onto alumina substrates by polymeric precursor method. <i>Thin Solid Films</i> , 2005, 493, 139-145.	0.8	15
780	Hot metal corrosion behavior for graphite refractory impregnated with TiO ₂ , ZrO ₂ carrying solutions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2005, 56, 475-480.	0.8	15
781	Absence of relaxor-like ferroelectric phase transition in (Pb,Sr)TiO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 813-817.	1.1	15
782	Structural Analysis of Ti And Pb Citrate Using NMR and FT-Raman Signals and Quantum Mechanics Simulations. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 9-17.	1.1	15
783	Synthesis and electrical characterization of tungsten doped Pb(Zr _{0.53} Ti _{0.47})O ₃ ceramics obtained from a hybrid process. <i>Materials Chemistry and Physics</i> , 2007, 103, 371-374.	2.0	15
784	Mechanical Properties and Dimensional Effects of ZnO- and SnO ₂ -Based Varistors. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3105-3108.	1.9	15
785	Antimony-€Doped Tin Oxide Nanocrystals: Synthesis and Solubility Behavior in Organic Solvents. <i>ChemPhysChem</i> , 2009, 10, 841-846.	1.0	15
786	Enhanced ferroelectric properties of La-substituted BiFeO ₃ thin films on LaSrCoO ₃ /Pt/TiO ₂ /SiO ₂ /Si (100) substrates prepared by the soft chemical method. <i>Ceramics International</i> , 2012, 38, 3841-3849.	2.3	15
787	Structure and photocatalytic properties of Nb-doped Bi ₁₂ TiO ₂₀ prepared by the oxidant peroxide method (OPM). <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	15
788	Evaluation of modified silica nanoparticles in carboxylated nitrile rubber nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 45-51.	2.3	15
789	Photoluminescence of BaZrO ₃ explained by a order/disordered transformation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1993-2001.	1.1	15
790	Novel Gd(OH) ₃ , GdOOH and Gd ₂ O ₃ Nanorods: Microwave-Assisted Hydrothermal Synthesis and Optical Properties. <i>Materials Research</i> , 2016, 19, 1155-1161.	0.6	15
791	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.	1.3	15
792	Investigation on the photocatalytic performance of Ag ₄ P ₂ O ₇ microcrystals for the degradation of organic pollutants. <i>Applied Surface Science</i> , 2019, 493, 1195-1204.	3.1	15

#	ARTICLE	IF	CITATIONS
793	The role of counter-ions in crystal morphology, surface structure and photocatalytic activity of ZnO crystals grown onto a substrate. <i>Applied Surface Science</i> , 2020, 529, 147057.	3.1	15
794	Synthesis, characterization, photocatalytic, and antimicrobial activity of ZrO ₂ nanoparticles and Ag@ZrO ₂ nanocomposite prepared by the advanced oxidative process/hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 113-126.	1.1	15
795	PVC-SiO ₂ -Ag composite as a powerful biocide and anti-SARS-CoV-2 material. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	15
796	Unveiling the shape-selective CoCr ₂ -yScyO ₄ nanomagnetism. <i>Applied Surface Science</i> , 2022, 574, 151555.	3.1	15
797	CO interaction with ZnO surfaces: an MNDO, AM1 and PM3 theoretical study with large cluster models. <i>Computational and Theoretical Chemistry</i> , 1996, 363, 249-256.	1.5	14
798	Preparation of ferroelectric bi-layered thin films using the modified polymeric precursor method. <i>Materials Research</i> , 2001, 4, 157-162.	0.6	14
799	S�ntese, caracteriza�o e estudo das propriedades catal�ticas e magn�ticas de nanopart�culas de Ni dispersas em matriz mesoporosa de SiO ₂ . <i>Quimica Nova</i> , 2002, 25, 935-942.	0.3	14
800	Qualitative measurement of residual carbon in wet-chemically synthesized powders. <i>Ceramics International</i> , 2004, 30, 2235-2239.	2.3	14
801	Sintering mechanisms of ZrO ₂ ·MgO with addition of TiO ₂ and CuO. <i>Ceramics International</i> , 2004, 30, 571-577.	2.3	14
802	Dielectric properties of Ca(Zr _{0.05} Ti _{0.95})O ₃ thin films prepared by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3739-3743.	1.4	14
803	Piezoelectric properties of Bi ₄ Ti ₃ O ₁₂ thin films annealed in different atmospheres. <i>Materials Research Bulletin</i> , 2007, 42, 967-974.	2.7	14
804	Piezoelectric behavior of SrRuO ₃ buffered lanthanum modified bismuth ferrite thin films grown by chemical method. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	14
805	Nanosized lead lanthanum titanate (PLT) ceramic powders synthesized by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , 2009, 475, 817-821.	2.8	14
806	Interfacial photoluminescence emission properties of core/shell Al ₂ O ₃ /ZrO ₂ . <i>CrystEngComm</i> , 2012, 14, 393-396.	1.3	14
807	Experimental and theoretical approach of nanocrystalline TiO ₂ with antifungal activity. <i>Chemical Physics Letters</i> , 2013, 577, 114-120.	1.2	14
808	Structural and electrical properties of LaNiO ₃ thin films grown on (100) and (001) oriented SrLaAlO ₄ substrates by chemical solution deposition method. <i>Ceramics International</i> , 2013, 39, 8025-8034.	2.3	14
809	Red shift and higher photoluminescence emission of CCTO thin films undergoing pressure treatment. <i>Journal of Alloys and Compounds</i> , 2014, 583, 488-491.	2.8	14
810	Effect of lanthanum and lead doping on the microstructure and visible light photocatalysis of bismuth titanate prepared by the oxidant peroxide method (OPM). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 312, 55-63.	2.0	14

#	ARTICLE	IF	CITATIONS
811	Effect of Fe-doping on the structural, microstructural, optical, and ferroelectric properties of $\text{Pb}_{1/2}\text{Sr}_{1/2}\text{Ti}_{1-x}\text{Fe}_x\text{O}_3$ oxide prepared by spin coating technique. <i>Materials Letters</i> , 2015, 138, 179-183.	1.3	14
812	Dielectric characterization of microwave sintered lead zirconate titanate ceramics. <i>Ceramics International</i> , 2016, 42, 14423-14430.	2.3	14
813	Gas sensing and conductivity relationship on nanoporous thin films: A $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ case study. <i>Thin Solid Films</i> , 2016, 604, 69-73.	0.8	14
814	Effect of Er^{3+} ions on the phase formation and properties of In_2O_3 nanostructures crystallized upon microwave heating. <i>Journal of Solid State Chemistry</i> , 2017, 249, 58-63.	1.4	14
815	Evaluation of morphology and photoluminescent properties of PbMoO_4 crystals by ultrasonic amplitude. <i>Journal of Materials Science</i> , 2017, 52, 4608-4620.	1.7	14
816	Influence Ca-doped SrIn_2O_4 powders on photoluminescence property prepared one step by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2018, 747, 1078-1087.	2.8	14
817	Direct photo-oxidation and superoxide radical as major responsible for dye photodegradation mechanism promoted by TiO_2/rGO heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17022-17037.	1.1	14
818	In Situ Growth of Bi Nanoparticles on NaBiO_3 , Bi_2O_3 , and Bi_2O_3 Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5023-5030.	1.5	14
819	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019, 14, 100211.	1.7	14
820	First principle investigation of the exposed surfaces and morphology of $\text{Bi}_2\text{ZnMoO}_4$. <i>Journal of Applied Physics</i> , 2019, 126, 235301.	1.1	14
821	Rational Design of W-Doped Ag_3PO_4 as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , 2020, 5, 23808-23821.	1.6	14
822	New two-dimensional zinc oxide nanosheets: Properties, stability, and interconversion. <i>Materials Letters</i> , 2020, 275, 128067.	1.3	14
823	Enhanced photocatalytic and antifungal activity of hydroxyapatite/ AgVO_3 composites. <i>Materials Chemistry and Physics</i> , 2020, 252, 123294.	2.0	14
824	Stabilization of the $\text{Bi}_2\text{Ag}_2\text{WO}_4$ metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. <i>Ceramics International</i> , 2020, 46, 14864-14871.	2.3	14
825	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.	2.8	14
826	Structural, morphological and photoluminescence properties of $\text{Bi}_2\text{Ag}_2\text{MoO}_4$ doped with Eu^{3+} . <i>Chemical Papers</i> , 2021, 75, 1869-1882.	1.0	14
827	Efficient Ni and Fe doping process in ZnO with enhanced photocatalytic activity: A theoretical and experimental investigation. <i>Materials Research Bulletin</i> , 2022, 152, 111849.	2.7	14
828	Effect of atmosphere and dopants on sintering of SnO_2 . <i>Radiation Effects and Defects in Solids</i> , 1998, 146, 131-143.	0.4	13

#	ARTICLE	IF	CITATIONS
829	Influence of synthesis and processing parameters of the columbite precursor on the amount of Perovskite PMN. <i>Materials Research</i> , 1999, 2, 255-260.	0.6	13
830	Synthesis of nanocrystalline tetragonal zirconia by a polymeric organometallic method. <i>Applied Organometallic Chemistry</i> , 1999, 13, 501-507.	1.7	13
831	Coordination Chemistry of BrInCH ₂ Br: Coordination at the Metal Center. <i>Organometallics</i> , 1999, 18, 99-105.	1.1	13
832	Effect of Ta ₂ O ₅ doping on the electrical properties of 0.99SnO ₂ ·0.01CoO ceramic. <i>Journal of Materials Science</i> , 2000, 35, 1453-1458.	1.7	13
833	Influence of simultaneous addition of MnO ₂ and CoO on properties of SnO ₂ -based ceramics. <i>Materials Letters</i> , 2000, 46, 39-43.	1.3	13
834	Microstructural, dielectric and ferroelectric properties of calcium-modified lead titanate thin films derived by chemical processes. <i>Journal of the European Ceramic Society</i> , 2001, 21, 1107-1114.	2.8	13
835	Theoretical study of MgO(001) surfaces: Pure, doped with Fe, Ca, and Al, and with and without adsorbed water. <i>International Journal of Quantum Chemistry</i> , 2001, 84, 705-713.	1.0	13
836	Amorphization and grain size effect on milled PbTiO ₃ studied by Raman scattering and visible photoluminescence emission. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 787-789.	1.1	13
837	A novel approach for the development of photoluminescent material. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 529-532.	1.1	13
838	Magnetic doping in Zn ₇₋₈ M _x Sb ₂ O ₁₂ spinels (M=Ni and Co). <i>Physica B: Condensed Matter</i> , 2002, 320, 249-252.	1.3	13
839	Fotoluminescência em materiais com desordem estrutural. <i>Ceramica</i> , 2004, 50, 138-144.	0.3	13
840	Synthesis and characterization of Al ₂ O ₃ /Cr ₂ O ₃ -based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 475-480.	2.0	13
841	Strontium titanate films prepared by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 2004, 24, 989-991.	2.8	13
842	Effect of the excess of bismuth on the morphology and properties of the BaBi ₂ Ta ₂ O ₉ ceramics. <i>Materials Letters</i> , 2005, 59, 656-661.	1.3	13
843	Investigaçãodo processo de absorçãode Áigua de hidrogÃ©is de polissacarÃdeo: efeito da carga iÃnica, presenÃsa de sais, concentraÃ¶es de monÃmero e polissacarÃdeo. <i>Polimeros</i> , 2012, 22, 311-317.	0.2	13
844	Effect of calcium on the structural properties of Ba(1-x)Ca x TiO ₃ particles synthesized by complex polymerization method. <i>Journal of Materials Science</i> , 2014, 49, 2875-2878.	1.7	13
845	Overactive bladder " 18 years " Part II. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2016, 42, 199-214.	0.7	13
846	Mechanical properties, water absorption and adhesive properties of diepoxy aliphatic diluent-modified DGEBA/Cycloaliphatic amine networks on 316L stainless steel. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 205-211.	1.4	13

#	ARTICLE	IF	CITATIONS
847	Facile microwave-assisted hydrothermal synthesis of hexagonal sodium tungsten bronze and its high response to NO ₂ . <i>Materials Letters</i> , 2016, 185, 197-200.	1.3	13
848	Promising effects of silver tungstate microcrystals on fibroblast human cells and three dimensional collagen matrix models: A novel non-cytotoxic material to fight oral disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 505-513.	2.5	13
849	Computational simulations of ZnO@GaN and GaN@ZnO core@shell nanotubes. <i>Journal of Solid State Chemistry</i> , 2018, 266, 217-225.	1.4	13
850	Influence of Zn _{1-x} CaxWO ₄ heterostructures synthesized by spray pyrolysis on photoluminescence property. <i>Ceramics International</i> , 2019, 45, 23256-23264.	2.3	13
851	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.	1.4	13
852	Increasing the photocatalytic and fungicide activities of Ag ₃ PO ₄ microcrystals under visible-light irradiation. <i>Ceramics International</i> , 2021, 47, 22604-22614.	2.3	13
853	N-doping SrTiO ₃ @SrCO ₃ heterostructure electrode: Synthesis, electrochemical characterization, and varistor application. <i>Ceramics International</i> , 2017, 43, 11722-11732.	2.3	13
854	ZnO clusters models: AnAM1 andMNDO study. <i>International Journal of Quantum Chemistry</i> , 1993, 48, 643-653.	1.0	12
855	Ab initio and semiempirical MO studies using large cluster models of CO and H ₂ adsorption and dissociation on ZnO surfaces with the formation of ZnH and OH species. <i>Computational and Theoretical Chemistry</i> , 1997, 397, 147-157.	1.5	12
856	Theoretical study of water coverage on MgO surfaces. <i>International Journal of Quantum Chemistry</i> , 1999, 71, 153-165.	1.0	12
857	Sintering of zirconia composites obtained by slip casting. <i>Ceramics International</i> , 2001, 27, 283-289.	2.3	12
858	DFT study of Î±-alanine as a function of the medium polarity. <i>Computational and Theoretical Chemistry</i> , 2001, 544, 151-157.	1.5	12
859	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 27, 137-147.	1.1	12
860	Dióxido de estanho nanoestruturado: síntese e crescimento de nanocristais e nanofitas. <i>Quimica Nova</i> , 2003, 26, 855-862.	0.3	12
861	Effect of atmosphere on the electrical properties of TiO ₂ -SnO ₂ varistor systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 665-669.	1.1	12
862	A Raman and dielectric study of a diffuse phase transition in (Pb _{1-x} Cax)TiO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 349-354.	1.1	12
863	Thermochemical parameters and calculations ab-initio of the bisdimethyldithiocarbamate zinc(II) complex. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 309-312.	2.0	12
864	Thermal and structural investigation of (Sn _{1-x} Ti _x)O ₂ obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 415-420.	2.0	12

#	ARTICLE	IF	CITATIONS
865	Photoluminescence at room temperature in disordered Ba _{0.50} Sr _{0.50} (Ti _{0.80} Sn _{0.20})O ₃ thin films. Applied Physics Letters, 2006, 88, 211911.	1.5	12
866	Electrical characterization of SnO ₂ :Sb ultrathin films obtained by controlled thickness deposition. Journal of Applied Physics, 2007, 102, .	1.1	12
867	Effect of the microwave oven on structural, morphological and electrical properties of SrBi ₄ Ti ₄ O ₁₅ thin films grown on Pt/Ti/SiO ₂ /Si substrates by a soft chemical method. Materials Characterization, 2008, 59, 675-680.	1.9	12
868	Growth of SrBi ₄ Ti ₄ O ₁₅ thin films in a microwave oven by the polymeric precursor method. Journal of Alloys and Compounds, 2008, 455, 407-412.	2.8	12
869	The influence of area/volume ratio on microstructure and non-Ohmic properties of SnO ₂ -based varistor ceramic blocks. Journal of Materials Science: Materials in Electronics, 2009, 20, 49-54.	1.1	12
870	Temperature dependence on the electrical properties of Ba(Ti _{0.90} Zr _{0.10})O ₃ :2V ceramics. Materials Chemistry and Physics, 2010, 123, 772-775.	2.0	12
871	Characterization of dense lead lanthanum titanate ceramics prepared from powders synthesized by the oxidant peroxy method. Materials Chemistry and Physics, 2010, 124, 1051-1056.	2.0	12
872	The effect of TiO ₂ on the microstructural and electrical properties of low voltage varistor based on (Sn,Ti)O ₂ ceramics. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 457-461.	0.8	12
873	Morphological and Structural changes of Ca _x Sr _{1-x} TiO ₃ Powders Obtained by the Microwave-Assisted Hydrothermal Method. International Journal of Applied Ceramic Technology, 2012, 9, 186-192.	1.1	12
874	A methodology to investigate the wear of blast furnace hearth carbon refractory lining. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 1032-1038.	0.8	12
875	Degradation Analysis of the SnO ₂ and ZnO-Based Varistors Using Electrostatic Force Microscopy. Journal of the American Ceramic Society, 2013, 96, 1801-1809.	1.9	12
876	Microwave-assisted hydrothermal synthesis of magnetite nanoparticles with potential use as anode in lithium ion batteries. Materials Research, 2014, 17, 1065-1070.	0.6	12
877	Oxygen Atom Transfer Reactions from Mimoun Complexes to Sulfides and Sulfoxides. A Bonding Evolution Theory Analysis. Journal of Physical Chemistry A, 2014, 118, 6092-6103.	1.1	12
878	Calcium doped BiFeO ₃ films: Rietveld analysis and piezoelectric properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 784-793.	1.1	12
879	Laser/Electron Irradiation on Indium Phosphide (InP) Semiconductor: Promising Pathways to In Situ Formation of Indium Nanoparticles. Particle and Particle Systems Characterization, 2018, 35, 1800237.	1.2	12
880	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO ₄ and Pb _{1-2x} Ca _x Sr _x MoO ₄ (x = 0.1, 0.2, 0.3, 0.4 and 0.5) solid solutions. Physical Chemistry Chemical Physics, 2020, 22, 25876-25891.	1.3	12
881	Microwave-assisted solvothermal preparation of Zr-BDC for modification of proton exchange membranes made of SPEEK/PBI blends. Journal of Materials Science, 2020, 55, 14938-14952.	1.7	12
882	Unraveling the relationship between exposed surfaces and the photocatalytic activity of Ag ₃ PO ₄ : an in-depth theoretical investigation. RSC Advances, 2020, 10, 30640-30649.	1.7	12

#	ARTICLE	IF	CITATIONS
883	Experimental and theoretical interpretation of the order/disorder clusters in CeO ₂ :La. Applied Surface Science, 2020, 510, 145216.	3.1	12
884	The Effect of Additives on the Sintering of Tin Oxide. Solid State Phenomena, 1992, 25-26, 259-268.	0.3	11
885	Interaction between Li ⁺ and C ₆₀ molecules. Computational and Theoretical Chemistry, 1995, 335, 149-152.	1.5	11
886	Theoretical study of metiamide, a histamine H ₂ antagonist. International Journal of Quantum Chemistry, 1998, 69, 117-128.	1.0	11
887	Hot-pressed 9.5/65/35 PLZT prepared by the polymeric precursor method. Ceramics International, 2000, 26, 625-630.	2.3	11
888	Cerâmicas eletrônicas à base de SnO ₂ e TiO ₂ . Ceramica, 2001, 47, 136-143.	0.3	11
889	Ferroelectric SBN thin films grown by an SBN/Bi ₂ O ₃ PLD sequential process. Journal of the European Ceramic Society, 2001, 21, 2199-2205.	2.8	11
890	Multi-layered LiNbO ₃ films prepared by a polymeric precursor method. Journal of the European Ceramic Society, 2001, 21, 1521-1524.	2.8	11
891	Topotatic-Like Phase Transformation of Amorphous Lead Titanate to Cubic Lead Titanate. Journal of the American Ceramic Society, 2002, 85, 2166-2170.	1.9	11
892	On the stabilizing behavior of zirconia: A Combined experimental and theoretical study. Journal of Materials Science, 2004, 39, 1935-1941.	1.7	11
893	Effect of Thermal Treatment Temperature on the Crystallinity and Morphology of LiTaO ₃ Thin Films Prepared from Polymeric Precursor Method. Journal of Electroceramics, 2004, 13, 353-359.	0.8	11
894	Influence of Ta ₂ O ₅ on the electrical properties of ZnO- and CoO-doped SnO ₂ varistors. Ceramics International, 2004, 30, 2277-2281.	2.3	11
895	Characterization of lanthanum-doped bismuth titanate thin films prepared by polymeric precursor method. Materials Letters, 2004, 58, 2842-2847.	1.3	11
896	a-b axis-oriented lanthanum doped Bi ₄ Ti ₃ O ₁₂ thin films grown on a TiO ₂ buffer layer. Journal of Applied Physics, 2006, 100, 084106.	1.1	11
897	Influence of milling time on mechanically assisted synthesis of Pb _{0.91} Ca _{0.1} TiO ₃ powders. Ceramics International, 2007, 33, 937-941.	2.3	11
898	Structural and spectroscopic characterization of Al _{2-x} Cr _x O ₃ powders obtained by polymeric precursor method. Journal of Sol-Gel Science and Technology, 2007, 43, 131-136.	1.1	11
899	Influence of the network former on the properties of magnesium spinels. Journal of Thermal Analysis and Calorimetry, 2007, 87, 753-757.	2.0	11
900	SiO ₂ @GeO ₂ Soot Preform as a Core for Eu ₂ O ₃ Nanocoating: Synthesis and Photophysical Study. Journal of Fluorescence, 2008, 18, 541-545.	1.3	11

#	ARTICLE	IF	CITATIONS
901	Dielectric properties of pure and lanthanum modified bismuth titanate thin films. <i>Journal of Alloys and Compounds</i> , 2008, 454, 66-71.	2.8	11
902	Single walled MgF ₂ nanotubes. <i>Computational Materials Science</i> , 2009, 46, 233-238.	1.4	11
903	Microstructure and electrical properties of (Ta, Co, Pr) doped TiO ₂ based electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 246-251.	1.1	11
904	Formation of β -nickel hydroxide plate-like structures under mild conditions and their optical properties. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2818-2823.	1.4	11
905	Synthesis and Study of the Photophysical Properties of a New Eu ³⁺ Complex with 3-Hydroxypicolinamide. <i>Journal of Fluorescence</i> , 2011, 21, 1575-1583.	1.3	11
906	Structure, microstructure, ferroelectric/electromechanical properties and retention characteristics of [Bi ^{1-x} Nb ^x]FeO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 703-714.	1.1	11
907	Structure, morphology, and optical properties of (Ca ^{1-3x} Eu ^{2x})WO ₄ microcrystals. <i>Electronic Materials Letters</i> , 2015, 11, 193-197.	1.0	11
908	Multiferroic behavior of heterostructures composed of lanthanum and bismuth ferrite. <i>Ceramics International</i> , 2016, 42, 16521-16528.	2.3	11
909	Rietveld analysis of CaCu ₃ Ti ₄ O ₁₂ thin films obtained by RF-sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2175-2182.	1.1	11
910	Enhancement of the photocatalytic activity and white emission of CaIn ₂ O ₄ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2016, 658, 316-323.	2.8	11
911	Unveiling the efficiency of microwave-assisted hydrothermal treatment for the preparation of SrTiO ₃ mesocrystals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22031-22038.	1.3	11
912	Controlling the Electronic, Structural, and Optical Properties of Novel MgTiO ₃ /LaNiO ₃ Nanostructured Films for Enhanced Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 2612-2620.	2.4	11
913	Fast and simultaneous doping of Sr _{0.9} Ca _{0.1} In ₂ O ₄ :(xEu ³⁺ , yTm ³⁺ , zTb ³⁺) superstructure by ultrasonic spray pyrolysis. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 14-24.	3.8	11
914	Stability of di-butyl-dichalcogenide-capped gold nanoparticles: experimental data and theoretical insights. <i>RSC Advances</i> , 2020, 10, 6259-6270.	1.7	11
915	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.	1.9	11
916	Development and Characterization of Electrospun Nanostructures Using Polyethylene Oxide: Potential Means for Incorporation of Bioactive Compounds. <i>Colloids and Interfaces</i> , 2020, 4, 14.	0.9	11
917	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157562.	2.8	11
918	Revealing the Nature of Defects in β -Ag ₂ WO ₄ by Positron Annihilation Lifetime Spectroscopy: A Joint Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2021, 21, 1093-1102.	1.4	11

#	ARTICLE	IF	CITATIONS
919	Experimental and Theoretical Insights into the Structural Disorder and Gas Sensing Properties of ZnO. ACS Applied Electronic Materials, 2021, 3, 1447-1457.	2.0	11
920	Pure and Ni2O3-decorated CeO2 nanoparticles applied as CO gas sensor: Experimental and theoretical insights. Ceramics International, 2022, 48, 14014-14025.	2.3	11
921	Synthesis and defect characterization of hybrid ceria nanostructures as a possible novel therapeutic material towards COVID-19 mitigation. Scientific Reports, 2022, 12, 3341.	1.6	11
922	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
923	The catalytic mechanism of serine proteases. III an indo-ISCRF study of the methylacetate docking in β -chymotrypsin. Journal of Theoretical Biology, 1986, 118, 45-59.	0.8	10
924	The effect of heating rate on the sintering of agglomerated NaNbO3 powders. Journal of Materials Science, 1998, 33, 4791-4795.	1.7	10
925	A PM3 theoretical study of the adsorption and dissociation of water on MgO surfaces. Computational and Theoretical Chemistry, 1998, 426, 199-205.	1.5	10
926	Preparation, crystal structure determination and properties of adducts of indium methylene compounds with Group 15 donors. Journal of Organometallic Chemistry, 2000, 603, 203-212.	0.8	10
927	Theoretical analysis on TiO2(110)/V surface. International Journal of Quantum Chemistry, 2001, 85, 44-51.	1.0	10
928	Title is missing!. Journal of Materials Science, 2001, 36, 3461-3466.	1.7	10
929	The use of the generator coordinate method for designing basis set. Application to oxo-diperoxo molybdenum complexes. Computational and Theoretical Chemistry, 2002, 589-590, 251-264.	1.5	10
930	Fotoluminescência e adsorção de CO2 em nanopartículas de CaTiO3 dopadas com lantânio. Química Nova, 2004, 27, 862-865.	0.3	10
931	A Simple and Novel Method to Synthesize Doped and Undoped SnO ₂ Nanocrystals at Room Temperature. Journal of Nanoscience and Nanotechnology, 2004, 4, 774-778.	0.9	10
932	SrBi2Nb2O9 Thin films crystallized using a low power microwave oven. Journal of the European Ceramic Society, 2004, 24, 1597-1602.	2.8	10
933	Effect of the heat flux direction on electrical properties of SrBi2Nb2O9 thin films crystallized using a microwave oven. Applied Surface Science, 2004, 225, 156-161.	3.1	10
934	Synthesis and characterization of Sr1-xMgxTiO3 obtained by the polymeric precursor method. Materials Letters, 2005, 59, 549-553.	1.3	10
935	Room temperature photoluminescence of the Li2ZnTi3O8 spinel: Experimental and theoretical study. International Journal of Quantum Chemistry, 2005, 103, 580-587.	1.0	10
936	Controlled Thickness Deposition of Ultrathin Ceramic Films by Spin Coating. Journal of the American Ceramic Society, 2006, 89, 2016-2020.	1.9	10

#	ARTICLE	IF	CITATIONS
937	Structural Order–Disorder Transformations Monitored by X-ray Diffraction and Photoluminescence. <i>Journal of Chemical Education</i> , 2007, 84, 814.	1.1	10
938	Synthesis of Ba _{0.5} Sr _{0.5} (Ti _{0.80} Sn _{0.20})O ₃ prepared by the soft chemical method. <i>Materials Letters</i> , 2007, 61, 4086-4089.	1.3	10
939	Relationship between grain–boundary capacitance and bulk shallow donors in SnO ₂ polycrystalline semiconductor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1694-1698.	0.8	10
940	Ferroelectric and piezoelectric properties of bismuth layered thin films grown on (100) Pt electrodes. <i>Journal of Materials Processing Technology</i> , 2008, 196, 10-14.	3.1	10
941	Tunable visible photoluminescence of powdered silica glass. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 476-479.	1.5	10
942	Analysis of Ca-PZT powder obtained by the Pechini and partial oxalate methods. <i>Ceramica</i> , 2008, 54, 38-42.	0.3	10
943	Vibrational and thermal properties of crystalline topiramate. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1607-1613.	0.6	10
944	Synthesis and characterization of lead zirconate titanate powders obtained by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , 2009, 469, 523-528.	2.8	10
945	Synthesis and Photoluminescence Behavior of the Eu ³⁺ Ions as a Nanocoating over a Silica StÄrber Matrix. <i>Journal of Fluorescence</i> , 2011, 21, 975-981.	1.3	10
946	ONIOM study of dissociated hydrogen and water on ZnO surface. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 3223-3227.	1.0	10
947	Photoluminescent properties of lead zirconate powders obtained by the polymeric precursor method. <i>Ceramics International</i> , 2012, 38, 4593-4599.	2.3	10
948	Towards an insight on photodamage in hair fibre by UV–light: An experimental and theoretical study. <i>International Journal of Cosmetic Science</i> , 2013, 35, 539-545.	1.2	10
949	Structural disorder-dependent upconversion in Er ³⁺ /Yb ³⁺ -doped calcium titanate. <i>Ceramics International</i> , 2014, 40, 15981-15984.	2.3	10
950	Electrical behavior of Bi _{0.95} Nd _{0.05} FeO ₃ thin films grown by the soft chemical method. <i>Ceramics International</i> , 2014, 40, 8715-8722.	2.3	10
951	Influence of titanium precursor on photoluminescent emission of micro-cube-shaped CaTiO ₃ . <i>Journal of Luminescence</i> , 2015, 165, 130-137.	1.5	10
952	Fingerprints of short-range and long-range structure in BaZr _{1-x} Hf _x O ₃ solid solutions: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11341-11349.	1.3	10
953	Choice of hybrid functional and basis set optimization to calculate the structural, electronic, mechanical, and vibrational properties of BaSnO ₃ . <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	0.5	10
954	Structural, optical, magnetic, ferroelectric, and piezoelectric properties of (Pb,Ba)(Ti,Fe)O ₃ perovskites: a macroscopic and nanoscale properties approach. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9331-9342.	2.7	10

#	ARTICLE	IF	CITATIONS
955	Determination of Ethambutol in Aqueous Medium Using an Inexpensive Gold Microelectrode Array as Amperometric Sensor. <i>Electroanalysis</i> , 2016, 28, 985-989.	1.5	10
956	Synthesis of Cuboctahedral CeO ₂ Nanoclusters and Their Assembly into Cuboid Nanoparticles by Oriented Attachment. <i>ChemNanoMat</i> , 2017, 3, 228-232.	1.5	10
957	Influence of substrate on structural and transport properties of LaNiO ₃ thin films prepared by pulsed laser deposition. <i>AIP Advances</i> , 2017, 7, .	0.6	10
958	Knowledge translation in pediatric rehabilitation: expanding access to scientific knowledge. <i>Brazilian Journal of Physical Therapy</i> , 2017, 21, 389-390.	1.1	10
959	Piezoelectric Response of Porous Nanotubes Derived from Hexagonal Boron Nitride under Strain Influence. <i>ACS Omega</i> , 2018, 3, 13413-13421.	1.6	10
960	Exploring effects of microwave-assisted thermal annealing on optical properties of Zn ₂ GeO ₄ nanostructured films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 246, 7-12.	1.7	10
961	Proof of Concept Studies Directed toward the Formation of Metallic Ag Nanostructures from Ag ₃ PO ₄ Induced by Electron Beam and Femtosecond Laser. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800533.	1.2	10
962	Structure, Photoluminescence Emissions, and Photocatalytic Activity of Ag ₂ SeO ₃ : A Joint Experimental and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2021, 60, 5937-5954.	1.9	10
963	Bioactive Ag ₃ PO ₄ /Polypropylene Composites for Inactivation of SARS-CoV-2 and Other Important Public Health Pathogens. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10866-10875.	1.2	10
964	Impedance spectroscopy of SnO ₂ :CoO during sintering. <i>Materials Letters</i> , 1997, 30, 125-130.	1.3	9
965	Thickness dependence of leakage current in BaBi ₂ Ta ₂ O ₉ thin films. <i>Applied Physics Letters</i> , 1999, 75, 552-554.	1.5	9
966	Magnetic phases of imperfectly crystalline Co ₂ SiO ₄ . <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 277-281.	1.5	9
967	Influence of strontium concentration on the structural, morphological, and electrical properties of lead zirconate titanate thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 593-597.	1.1	9
968	Thermal and structural characterization OF Sr _{1-x} Co _x Ti ₃ obtained by polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 407-410.	2.0	9
969	Método sol-gel modificado para obtenção de alumina nanoencapsulada com terras raras. <i>Cerâmica</i> , 2005, 51, 52-57.	0.3	9
970	Influence of processing conditions on the thermal decomposition of SrTiO ₃ precursors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 731-735.	2.0	9
971	Nanocoating of Al ₂ O ₃ additive on ZrO ₂ powder and its effect on the sintering behaviour in ZrO ₂ ceramic. <i>Journal of Materials Science</i> , 2007, 42, 2222-2225.	1.7	9
972	Order-disorder degree of self-assembled clusters: Influence on photoluminescence emission and morphology of Ba _x Sr _{1-x} TiO ₃ nanocrystals. <i>Chemical Physics Letters</i> , 2011, 514, 301-306.	1.2	9

#	ARTICLE	IF	CITATIONS
973	Effect of the composition on the thermal behaviour of the SrSn _{1-x} Ti _x O ₃ precursor prepared by the polymeric precursor method. Journal of Thermal Analysis and Calorimetry, 2013, 114, 565-572.	2.0	9
974	Metronomic chemotherapy in the neoadjuvant setting: results of two parallel feasibility trials (TraQme and TAME) in patients with HER2+ and HER2- locally advanced breast cancer. Brazilian Journal of Medical and Biological Research, 2015, 48, 479-485.	0.7	9
975	Blue to Yellow Photoluminescence Emission and Photocatalytic Activity of Nitrogen Doping in TiO ₂ Powders. International Journal of Photoenergy, 2015, 2015, 1-12.	1.4	9
976	Evolution of the structural and microstructural characteristics of SrSn _{1-x} Ti _x O ₃ thin films under the influence of the composition, the substrate and the deposition method. Surface and Coatings Technology, 2017, 313, 361-373.	2.2	9
977	Superparamagnetic behaviour of zinc ferrite obtained by the microwave assisted method. Journal of Materials Science: Materials in Electronics, 2017, 28, 10772-10779.	1.1	9
978	The effect of TiO ₂ nanotube morphological engineering and ZnS quantum dots on the water splitting reaction: A theoretical and experimental study. International Journal of Hydrogen Energy, 2018, 43, 6838-6850.	3.8	9
979	An approach for photodegradation mechanism at TiO ₂ /SrTiO ₃ interface. Journal of Materials Science: Materials in Electronics, 2018, 29, 20329-20338.	1.1	9
980	Lithium lanthanum titanate perovskite ionic conductor: Influence of europium doping on structural and optical properties. Ceramics International, 2018, 44, 21578-21584.	2.3	9
981	Flower-like ZnO/ionic liquid composites: structure, morphology, and photocatalytic activity. Ionics, 2019, 25, 3197-3210.	1.2	9
982	Atomic Diffusion Induced by Electron-Beam Irradiation: An <i>in Situ</i> Study of Ag Structures Grown from Ag_2WO_4 . Crystal Growth and Design, 2019, 19, 106-115.	1.4	9
983	Theoretical study of sarin adsorption on (12,0) boron nitride nanotube doped with silicon atoms. Chemical Physics Letters, 2020, 738, 136816.	1.2	9
984	Multi-dimensional architecture of $\text{Ag}/\text{Ag}_2\text{WO}_4$ crystals: insights into microstructural, morphological, and photoluminescence properties. CrystEngComm, 2020, 22, 7903-7917.	1.3	9
985	Structural Refinement, Morphological Features, Optical Properties, and Adsorption Capacity of Ag_2WO_4 Nanocrystals/SBA-15 Mesoporous on Rhodamine B Dye. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3626-3645.	1.9	9
986	Electron beam irradiation for the formation of thick Ag film on Ag_3PO_4 . RSC Advances, 2020, 10, 21745-21753.	1.7	9
987	Charge transfer in Pr-Doped cerium oxide: Experimental and theoretical investigations. Materials Chemistry and Physics, 2020, 249, 122967.	2.0	9
988	Femtosecond-laser-irradiation-induced structural organization and crystallinity of Bi ₂ WO ₆ . Scientific Reports, 2020, 10, 4613.	1.6	9
989	Quantum mechanical modeling of Zn-based spinel oxides: Assessing the structural, vibrational, and electronic properties. International Journal of Quantum Chemistry, 2020, 120, e26368.	1.0	9
990	Photoluminescence of Eu ³⁺ -doped CaZrO red-emitting phosphors synthesized via microwave-assisted hydrothermal method. Materials Today Communications, 2020, 24, 100966.	0.9	9

#	ARTICLE	IF	CITATIONS
991	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.	0.5	9
992	Structure, Morphology Features and Photocatalytic Properties of \hat{I}^{\pm} -Ag ₂ WO ₄ Nanocrystals-modified Palygorskite Clay. <i>Journal of Photocatalysis</i> , 2021, 2, 114-129.	0.4	9
993	Alkali influence on ZnO and Ag-doped ZnO nanostructures formation using the microwave-assisted hydrothermal method for fungicidal inhibition. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 158, 110234.	1.9	9
994	Red-emitting CaWO ₄ :Eu ³⁺ ,Tm ³⁺ phosphor for solid-state lighting: Luminescent properties and morphology evolution. <i>Journal of Rare Earths</i> , 2022, 40, 226-233.	2.5	9
995	Connecting morphology and photoluminescence emissions in \hat{I}^2 -Ag ₂ MoO ₄ microcrystals. <i>Ceramics International</i> , 2022, 48, 3740-3750.	2.3	9
996	Tailoring Bi ₂ MoO ₆ by Eu ³⁺ incorporation for enhanced photoluminescence emissions. <i>Journal of Luminescence</i> , 2022, 243, 118675.	1.5	9
997	Bridging experiment and theory: Morphology, optical, electronic, and magnetic properties of MnWO ₄ . <i>Applied Surface Science</i> , 2022, 600, 154081.	3.1	9
998	The catalytic mechanism of serine proteases: Single proton versus double proton transfer. <i>Journal of Theoretical Biology</i> , 1984, 107, 329-338.	0.8	8
999	LiNbO ₃ :Thin Films prepared from a Polymeric Precursor Method. <i>Key Engineering Materials</i> , 1997, 132-136, 1143-1146.	0.4	8
1000	Effect of Atmosphere on the Sintering and Grain Growth of Tin Oxide. <i>Materials Science Forum</i> , 1999, 299-300, 134-140.	0.3	8
1001	Varistores \hat{A} base de SnO ₂ : estado da arte e perspectivas. <i>Ceramica</i> , 2000, 46, 124-130.	0.3	8
1002	Influ \hat{e} ncia da composi \hat{c} o das mat \hat{e} rias-primas no processo de gresifica \hat{c} o de revestimentos cer \hat{a} micos. <i>Ceramica</i> , 2002, 48, 137-145.	0.3	8
1003	Modelamento do processo de gresifica \hat{c} o de massas cer \hat{a} micas de revestimento. <i>Ceramica</i> , 2002, 48, 217-222.	0.3	8
1004	Magnetic Behavior at Low Temperatures of Ti Oxide Polycrystalline Samples. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 24, 241-245.	1.1	8
1005	Sintering of undoped SnO ₂ . <i>Ceramica</i> , 2003, 49, 87-91.	0.3	8
1006	Morphological analysis of polymers on hair fibers by SEM and AFM. <i>Materials Research</i> , 2003, 6, 501-506.	0.6	8
1007	Synthesis and thermal characterization of zirconium titanate pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 467-473.	2.0	8
1008	Electrical Characterization of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Integrated Ferroelectrics</i> , 2004, 60, 21-31.	0.3	8

#	ARTICLE	IF	CITATIONS
1009	Post mortem study of Al ₂ O ₃ /SiC/C/MgAl ₂ O ₄ ceramic lining used in torpedo cars. <i>Ceramics International</i> , 2005, 31, 897-904.	2.3	8
1010	Tubular microporous alumina structure for demulsifying vegetable oil/water emulsions and concentrating macromolecular suspensions. <i>Separation and Purification Technology</i> , 2005, 44, 235-241.	3.9	8
1011	Deposition of Controlled Thickness Ultrathin SnO ₂ :Sb Films by Spin-Coating. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3849-3853.	0.9	8
1012	Voltage Composition Profile and Synchrotron X-ray Structural Analysis of Low and High Temperature Li _x CoO ₂ Host Material. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14655-14664.	1.5	8
1013	SrSnO ₃ :Nd obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 185-190.	2.0	8
1014	Structural and thermal characterization of Zn _{2-x} CoxTiO ₄ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 137-141.	2.0	8
1015	Structural and dielectric characterization of praseodymium-modified lead titanate ceramics synthesized by the OPM route. <i>Materials Chemistry and Physics</i> , 2011, 130, 259-263.	2.0	8
1016	Comparison of the nanoparticles performance in the photocatalytic degradation of a styrene-butadiene rubber nanocomposite. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2368-2374.	1.3	8
1017	Influence of the indium concentration on microstructural and electrical properties of proton conducting NiO-BaCe _{0.9} In _{0.1} O ₃ cermet anodes for IT-SOFC application. <i>Journal of Alloys and Compounds</i> , 2013, 563, 254-260.	2.8	8
1018	Influence of a co-substituted A-site on structural characteristics and ferroelectricity of (Pb, Ba) _{1-x} (Tl, Bi) _x Ti ₅ O ₁₅ . <i>Journal of Applied Physics</i> , 2014, 115, 044102.	1.1	8
1019	Quantum chemical topological analysis of hydrogen bonding in HX...HX and CH ₃ ...HX dimers (X = Br, Cl, F). <i>Molecular Simulation</i> , 2015, 41, 600-609.	0.9	8
1020	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO ₄ crystals. <i>Journal of Instrumentation</i> , 2016, 11, P04012-P04012.	0.5	8
1021	Defects or charge transfer: Different possibilities to explain the photoluminescence in crystalline Ba(Zr _x Ti _{1-x})O ₃ . <i>Journal of Luminescence</i> , 2016, 179, 132-138.	1.5	8
1022	Electrical behavior of chemically grown lanthanum ferrite thin films. <i>Ceramics International</i> , 2016, 42, 2234-2240.	2.3	8
1023	Preparation and photocatalytic properties of hexagonal-shaped ZnO:Sm ³⁺ by microwave-assisted hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7943-7950.	1.1	8
1024	Synthesis and structural evolution of partially and fully stabilized ZrO ₂ from a versatile method aided by microwave power. <i>Ceramics International</i> , 2018, 44, 3517-3522.	2.3	8
1025	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, .	0.2	8
1026	Effect of sepiolite on the quiescent and non-quiescent crystallization behaviour of the biodegradable poly(lactic acid) prepared via casting and melting. <i>EXPRESS Polymer Letters</i> , 2019, 13, 825-834.	1.1	8

#	ARTICLE	IF	CITATIONS
1027	Influence of deposition parameters on the structure and microstructure of Bi ₁₂ TiO ₂₀ films obtained by pulsed laser deposition. <i>Ceramics International</i> , 2019, 45, 3510-3517.	2.3	8
1028	TiO ₂ -based dye-sensitized solar cells prepared with bixin and norbixin natural dyes: Effect of 2,2'-bipyridine additive on the current and voltage. <i>Optik</i> , 2020, 218, 165236.	1.4	8
1029	Structure, optical properties, and photocatalytic activity of $\hat{1}\pm$ -Ag ₂ WO _{0.75} Mo _{0.25} O ₄ . <i>Materials Research Bulletin</i> , 2020, 132, 111011.	2.7	8
1030	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.	1.9	8
1031	Effects of donor density on power-law response in tin dioxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129253.	4.0	8
1032	Effect of hydrothermal temperature on the antibacterial and photocatalytic activity of WO ₃ decorated with silver nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 228-244.	1.1	8
1033	Unraveling a Biomass-Derived Multiphase Catalyst for the Dehydrogenative Coupling of Silanes with Alcohols under Aerobic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2912-2928.	3.2	8
1034	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.	2.8	8
1035	Hematite rhombuses for chemiresistive ozone sensors: Experimental and theoretical approaches. <i>Applied Surface Science</i> , 2021, 563, 150209.	3.1	8
1036	Dielectric Behavior of $\hat{1}\pm$ -Ag ₂ WO ₄ and its Huge Dielectric Loss Tangent. <i>Materials Research</i> , 2019, 22, .	0.6	8
1037	Sintering of tin oxide and its applications in electronics and processing of high purity optical glasses. <i>Ceramica</i> , 2001, 47, 117-123.	0.3	8
1038	SÃntese e processamento de cerÃmicas em forno de microondas domÃ©stico. <i>Ceramica</i> , 2006, 52, 50-56.	0.3	8
1039	Nonohmic behavior of SnO ₂ .MnO ₂ -based ceramics. <i>Materials Research</i> , 2003, 6, 279-283.	0.6	8
1040	A Theoretical Investigation of ZnO Nanotubes: Size and Diameter. <i>Current Physical Chemistry</i> , 2013, 3, 400-407.	0.1	8
1041	Investigation of electronic structure, morphological features, optical, colorimetric, and supercapacitor electrode properties of CoWO ₄ crystals. <i>Materials Science for Energy Technologies</i> , 2022, 5, 125-144.	1.0	8
1042	Antifungal Activity and Biocompatibility of $\hat{1}\pm$ -AgVO ₃ , $\hat{1}\pm$ -Ag ₂ WO ₄ , and $\hat{1}^2$ -Ag ₂ MoO ₄ Using a Three-Dimensional Coculture Model of the Oral Mucosa. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 826123.	2.0	8
1043	Application of Ni:SiO ₂ Nanocomposite to Control the Carbon Deposition on the Carbon Dioxide Reforming of Methane. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 491-494.	0.9	7
1044	Photoluminescence in amorphous YNiO ₃ and La _{0.5} Nd _{0.5} NiO ₃ systems. <i>Materials Letters</i> , 2002, 56, 232-237.	1.3	7

#	ARTICLE	IF	CITATIONS
1045	Seleção de matérias-primas no desenvolvimento de formulações de massas cerâmicas. <i>Ceramica</i> , 2002, 48, 108-113.	0.3	7
1046	Influence of the growth parameters on TiO ₂ thin films deposited using the MOCVD method. <i>Ceramica</i> , 2002, 48, 192-198.	0.3	7
1047	Influence of the rare-earths oxides doped on the SnO ₂ CoOMnO ₂ Ta ₂ O ₅ varistor system. <i>Journal of Materials Science: Materials in Electronics</i> , 2002, 13, 567-570.	1.1	7
1048	Evidence of hetero-epitaxial growth of Pb(Mg _{1/3} Nb _{2/3})O ₃ on the BaTiO ₃ seed particles of a citrate solution. <i>Materials Chemistry and Physics</i> , 2003, 77, 918-923.	2.0	7
1049	Estudo microestrutural do catalisador Ni/gama-Al ₂ O ₃ : efeito da adição de CeO ₂ na reforma do metano com dióxido de carbono. <i>Química Nova</i> , 2003, 26, 648-654.	0.3	7
1050	O papel dos modificadores de rede na produção da fotoluminescência no CaWO ₄ . <i>Ceramica</i> , 2004, 50, 43-49.	0.3	7
1051	Low-temperature synthesis of single-phase Co ₇ Sb ₂ O ₁₂ . <i>Materials Chemistry and Physics</i> , 2004, 88, 404-409.	2.0	7
1052	The influence of crystallization route on the properties of lanthanum-doped Bi ₄ Ti ₃ O ₁₂ thin films prepared from polymeric precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 113, 207-214.	1.7	7
1053	The characterization of Co _x Zn _{7-x} Sb ₂ O ₁₂ spinel obtained by the pechini method. <i>Materials Research</i> , 2005, 8, 213-219.	0.6	7
1054	The effect of microwave annealing on the electrical characteristics of lanthanum doped bismuth titanate films obtained by the polymeric precursor method. <i>Applied Surface Science</i> , 2006, 252, 8471-8475.	3.1	7
1055	Visible PL Phenomenon at Room Temperature in Disordered Structure of SrWO ₄ Powder. <i>Journal of Computer-Aided Materials Design</i> , 2006, 12, 111-119.	0.7	7
1056	Electrical properties of lanthanum doped Bi ₄ Ti ₃ O ₁₂ thin films annealed in different atmospheres. <i>Ceramics International</i> , 2007, 33, 1535-1541.	2.3	7
1057	Qualitative evaluation of active potential barriers in SnO ₂ -based polycrystalline devices by electrostatic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 793-796.	1.1	7
1058	Effect of oxidizing atmosphere on the electrical properties of SrBi ₄ Ti ₄ O ₁₅ thin films obtained by the polymeric precursor method. <i>Solid State Sciences</i> , 2008, 10, 1951-1957.	1.5	7
1059	Photoluminescence in quasi-amorphous Pb _{0.8} X _{0.2} Zr _{0.53} Ti _{0.47} O ₃ (X=Ca, Sr and Ba) powders: An optical and structural study. <i>Chemical Physics Letters</i> , 2009, 475, 96-100.	1.2	7
1060	Structure and ferro/piezoelectric properties of SrBi ₄ Ti ₄ O ₁₅ films deposited on TiO ₂ buffer layer. <i>Journal of Alloys and Compounds</i> , 2009, 477, 85-89.	2.8	7
1061	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.	1.1	7
1062	Microstructural and nonohmic properties of ZnO.Pr ₆ O ₁₁ CoO polycrystalline system. <i>Materials Research</i> , 2010, 13, 29-34.	0.6	7

#	ARTICLE	IF	CITATIONS
1063	A joint computational and experimental study of a novel dioxomolybdenum(VI) complex bearing chiral N,N-dimethyl lactamide ligand. <i>Inorganica Chimica Acta</i> , 2011, 375, 41-46.	1.2	7
1064	Influence of the concentration of Sb ₂ O ₃ on the electrical properties of SnO ₂ varistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 679-683.	1.1	7
1065	Crystallization study of SrSnO ₃ :Fe. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 507-512.	2.0	7
1066	Superparamagnetic Ni:SiO ₂ @C nanocomposites films synthesized by a polymeric precursor method. <i>Journal of Nanoparticle Research</i> , 2011, 13, 703-710.	0.8	7
1067	Synthesis, characterization and catalytic properties of nanocrystalline Y ₂ O ₃ -coated TiO ₂ in the ethanol dehydration reaction. <i>Materials Research</i> , 2012, 15, 285-290.	0.6	7
1068	Electrical Properties of Textured Niobium-Doped Bismuth Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2601-2607.	1.9	7
1069	Chemical modification of the surface of alumina with alkaline earth metal oxides using the polymeric precursor method for catalysis application. <i>Ceramica</i> , 2014, 60, 154-159.	0.3	7
1070	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.	1.1	7
1071	Structural, microstructural, optical and electrical properties of (Pb,Ba,Sr)TiO ₃ films growth on conductive LaNiO ₃ -coated LaAlO ₃ (100) and Pt/Ti/SiO ₂ /Si substrates. <i>Materials Letters</i> , 2014, 121, 93-96.	1.3	7
1072	Scaling like behaviour of resistivity observed in LaNiO ₃ thin films grown on SrTiO ₃ substrate by pulsed laser deposition. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 485307.	0.7	7
1073	Photoluminescence emission in zirconium-doped calcium copper titanate powders. <i>Ceramics International</i> , 2016, 42, 4837-4844.	2.3	7
1074	Experimental and ab Initio Studies of Deep-Bulk Traps in Doped Rare-Earth Oxide Thick Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 997-1007.	1.5	7
1075	Synthesis of yttrium aluminate doped with Cr ³⁺ using MgF ₂ @Na ₂ B ₄ O ₇ as mineralizers to obtain red pigments for ceramic tiles application. <i>Ceramics International</i> , 2020, 46, 27940-27950.	2.3	7
1076	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.	2.7	7
1077	A diagnosis approach for semiconductor properties evaluation from ab initio calculations: Ag-based materials investigation. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122670.	1.4	7
1078	Interface matters: Design of an efficient $\text{Ag}_2\text{WO}_4/\text{Ag}_3\text{PO}_4$ photocatalyst. <i>Materials Chemistry and Physics</i> , 2022, 280, 125710.	2.0	7
1079	UV radiation: aggressive agent to the hair-AFM, a new methodology of evaluation. <i>Journal of Cosmetic Science</i> , 2003, 54, 271-81.	0.1	7
1080	Inactivation of SARS-CoV-2 by a chitosan/ Ag_2WO_4 composite generated by femtosecond laser irradiation. <i>Scientific Reports</i> , 2022, 12, 8118.	1.6	7

#	ARTICLE	IF	CITATIONS
1081	The influence of crystallization route on the SrBi ₂ Nb ₂ O ₉ thin films. <i>Journal of Materials Research</i> , 1999, 14, 1026-1031.	1.2	6
1082	Ab initio study and NMR analysis of the complexation of citric acid with lithium ion. <i>Computational and Theoretical Chemistry</i> , 1999, 493, 309-318.	1.5	6
1083	Sintering of tin oxide processed by slip casting. <i>Journal of the European Ceramic Society</i> , 2000, 20, 2407-2413.	2.8	6
1084	Rheological properties of tin oxide suspensions. <i>Journal of the European Ceramic Society</i> , 2002, 22, 1297-1306.	2.8	6
1085	Theoretical analysis of water coverage on MgO(001) surfaces with defects and without F, V and P type vacancies. <i>Computational and Theoretical Chemistry</i> , 2003, 664-665, 111-124.	1.5	6
1086	Análise térmica da interação de CO, CO ₂ e NH ₃ com ZnO. <i>Quimica Nova</i> , 2004, 27, 10-16.	0.3	6
1087	Thermal transformations of tile clay before and after kaolin addition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 677-685.	2.0	6
1088	An investigation of metal oxides which are photoluminescent at room temperature. <i>Computational and Theoretical Chemistry</i> , 2004, 668, 87-91.	1.5	6
1089	Influence of the solution pH on the morphological, structural and electrical properties of Bi _{3.50} La _{0.50} Ti ₃ O ₁₂ thin films obtained by the polymeric precursor method. <i>Materials Letters</i> , 2005, 59, 2759-2764.	1.3	6
1090	Microwave synthesis of calcium bismuth niobate thin films obtained by the polymeric precursor method. <i>Materials Research Bulletin</i> , 2006, 41, 1461-1467.	2.7	6
1091	Lithium Ion Motion in a Hybrid Polymer: Confirmation of a Decoupled Polyelectrolyte. <i>ChemPhysChem</i> , 2007, 8, 1778-1781.	1.0	6
1092	Jahn-Teller effect on the structure of the Sm-doped PbTiO ₃ : A theoretical approach. <i>Computational and Theoretical Chemistry</i> , 2007, 813, 33-37.	1.5	6
1093	Surface equilibrium angle for anisotropic grain growth in SnO ₂ systems. <i>Journal of Materials Science</i> , 2007, 42, 8088-8092.	1.7	6
1094	Fatigue and retention properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ films using LaNiO ₃ bottom electrodes. <i>Materials Characterization</i> , 2009, 60, 353-356.	1.9	6
1095	Retention characteristics of lanthanum-doped bismuth titanate films annealed at different furnaces. <i>Materials Chemistry and Physics</i> , 2009, 115, 434-438.	2.0	6
1096	Carbon-coated SnO ₂ nanobelts and nanoparticles by single catalytic step. <i>Journal of Nanoparticle Research</i> , 2009, 11, 955-963.	0.8	6
1097	Photoluminescence of core-shell nanoparticles made from yttrium stabilized zirconia powder grain coated with alumina. <i>CrystEngComm</i> , 2013, 15, 3292.	1.3	6
1098	High-density nanoparticle ceramic bodies. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1351-1355.	2.0	6

#	ARTICLE	IF	CITATIONS
1099	Effect of controlled conductivity on thermal sensing property of BaTiO_3 pyroelectric composite. Smart Materials and Structures, 2013, 22, 025015.	1.8	6
1100	Photoluminescence in SrSnO_3 :Fe ³⁺ ; Perovskite. Current Physical Chemistry, 2014, 4, 21-29.	0.1	6
1101	Evidence of magnetoelectric coupling on calcium doped bismuth ferrite thin films grown by chemical solution deposition. Journal of Applied Physics, 2014, 115, 17D910.	1.1	6
1102	Structural, dielectric, ferroelectric and optical properties of PBCT, PBST and PCST complex thin films on LaNiO_3 metallic conductive oxide layer coated Si substrates by the CSD technique. Journal of Alloys and Compounds, 2014, 609, 33-39.	2.8	6
1103	$\text{Sn}(1-x)\text{La}x\text{O}_2$ thin films deposited on AISI 304 stainless steel substrates. Ceramics International, 2014, 40, 12359-12366.	2.3	6
1104	Fast photocatalytic degradation of an organic dye and photoluminescent properties of Zn doped $\text{In}(\text{OH})_3$ obtained by the microwave-assisted hydrothermal method. Materials Science in Semiconductor Processing, 2014, 27, 1036-1041.	1.9	6
1105	Structural, ferroelectric, and optical properties of $\text{Pb}_{0.60}\text{Ca}_{0.20}\text{Sr}_{0.20}\text{TiO}_3$, $\text{Pb}_{0.50}\text{Ca}_{0.25}\text{Sr}_{0.25}\text{TiO}_3$ and $\text{Pb}_{0.40}\text{Ca}_{0.30}\text{Sr}_{0.30}\text{TiO}_3$ thin films prepared by the chemical solution deposition technique. Ceramics International, 2014, 40, 13363-13370.	2.3	6
1106	Ferroelectric and structural instability of $(\text{Pb,Ca})\text{TiO}_3$ thin films prepared in an oxygen atmosphere and deposited on LSCO thin films which act as a buffer layer. Ceramics International, 2014, 40, 4085-4093.	2.3	6
1107	Evidence for resonant scattering of electrons by spin fluctuations in $\text{LaNiO}_3/\text{LaAlO}_3$ heterostructures grown by pulsed laser deposition. JETP Letters, 2015, 102, 383-386.	0.4	6
1108	Effect of different starting materials on the synthesis of $\text{Ba}_{0.8}\text{Ca}_{0.2}\text{TiO}_3$. Journal of Advanced Ceramics, 2015, 4, 65-70.	8.9	6
1109	Structural and optical properties of $\text{ZnS}/\text{MgNb}_2\text{O}_6$ heterostructures. Superlattices and Microstructures, 2015, 79, 180-192.	1.4	6
1110	Manifestation of unusual size effects in granular thin films prepared by pulsed laser deposition. Journal of Physics and Chemistry of Solids, 2016, 98, 38-42.	1.9	6
1111	Bringing a humanistic approach to cancer clinical trials. Ecancermedicalsecience, 2017, 11, 738.	0.6	6
1112	Photovoltaic Sub-Module With Optical Sensor for Angular Measurements of Incident Light. IEEE Sensors Journal, 2019, 19, 3111-3120.	2.4	6
1113	In Vitro Toxic Effect of Biomaterials Coated with Silver Tungstate or Silver Molybdate Microcrystals. Journal of Nanomaterials, 2020, 2020, 1-9.	1.5	6
1114	Strain-induced novel properties of alloy nitride nanotubes. Computational Materials Science, 2020, 177, 109589.	1.4	6
1115	A scalable electron beam irradiation platform applied for allotropic carbon transformation. Carbon, 2021, 174, 567-580.	5.4	6
1116	Theoretical Study on Band Alignment Mechanism for the $\text{ZnO}@ZnS$ Interface of Core-Shell Structures. Current Physical Chemistry, 2016, 5, 327-336.	0.1	6

#	ARTICLE	IF	CITATIONS
1117	Piezoresponse force microscopy behaviour of Bi ₄ Ti ₃ O ₁₂ ceramics with various excess bismuth. Processing and Application of Ceramics, 2011, 5, 1-11.	0.4	6
1118	Photoluminescence emissions of Ca _{1-x} WO ₄ :xEu ³⁺ : Bridging between experiment and DFT calculations. Journal of Rare Earths, 2022, 40, 1527-1534.	2.5	6
1119	Fermented Jussara: Evaluation of Nanostructure Formation, Bioaccessibility, and Antioxidant Activity. Frontiers in Bioengineering and Biotechnology, 2022, 10, 814466.	2.0	6
1120	Enhanced red emission in Sr _(1-x) Eu _x Mo _{0.5} W _{0.5} O ₄ (x=0.01, 0.02, 0.04) phosphor and spectroscopic analysis for display applications. Journal of Materials Science, 2022, 57, 8634-8647.	1.7	6
1121	A proposed topography for the histamine H ₂ -receptor from structural AM1 calculations. Computational and Theoretical Chemistry, 1992, 254, 505-515.	1.5	5
1122	The effect of ZnO on the sintering and stabilization of ZrO ₂ .MgO system. Ceramics International, 1999, 25, 593-599.	2.3	5
1123	Theoretical models of hyperbranched polymers. Computational and Theoretical Chemistry, 2000, 507, 97-110.	1.5	5
1124	Photoluminescence in amorphous PLZ. Ceramics International, 2003, 29, 793-799.	2.3	5
1125	Characterization of nickel doped Zn ₇ Sb ₂ O ₁₂ spinel phase using Rietveld refinement. Powder Diffraction, 2003, 18, 219-223.	0.4	5
1126	Filmes finos de SrBi ₂ Ta ₂ O ₉ processados em forno microondas. Ceramica, 2003, 49, 61-65.	0.3	5
1127	Ferroelectric phase transition in Pb _{0.60} Sr _{0.40} TiO ₃ thin films. Materials Chemistry and Physics, 2004, 87, 353-356.	2.0	5
1128	SrBi ₂ Ta ₂ O ₉ ferroelectric thick films prepared by electrophoretic deposition using aqueous suspension. Journal of the European Ceramic Society, 2004, 24, 2445-2451.	2.8	5
1129	Improvement of the ferroelectric properties of ABO ₃ (A=Pb, Ca, Ba; B=Ti, Zr) films. Journal of the European Ceramic Society, 2005, 25, 2341-2345.	2.8	5
1130	Synthesis and characterization of SrCo _x Ti _{1-x} O ₃ . Journal of Thermal Analysis and Calorimetry, 2005, 79, 411-414.	2.0	5
1131	Propriedades eletrônicas e estruturais do PbTiO ₃ : teoria do funcional de densidade aplicada a modelos periódicos. Química Nova, 2005, 28, 10-18.	0.3	5
1132	(Ta, Cr)-doped TiO ₂ electroceramic systems. Journal of Materials Science: Materials in Electronics, 2006, 17, 79-84.	1.1	5
1133	Study on the orientation degree of Pb _{1-x} La _x TiO ₃ thin films by the rocking curve technique and its morphological aspects. Surface and Coatings Technology, 2007, 201, 6345-6351.	2.2	5
1134	Ion Relaxation Dynamics in a Decoupled Hybrid Polyelectrolyte. ChemPhysChem, 2008, 9, 245-248.	1.0	5

#	ARTICLE	IF	CITATIONS
1135	Structural and morphological characterization of $Pb_{1-x}Ba_xTiO_3$ thin films prepared by chemical route: An investigation of phase transition. <i>Materials Chemistry and Physics</i> , 2008, 108, 312-318.	2.0	5
1136	Nanometric $Pb_{1-x}La_xTiO_3$ ($x=0, 0.13$ and 0.27) powders obtained by the polymeric precursor method. <i>Materials Research Bulletin</i> , 2008, 43, 825-835.	2.7	5
1137	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.	2.8	5
1138	Structural and electrical properties of $SrBi_2(Ta_{0.5}Nb_{0.5})_2O_9$ thin films. <i>Journal of Alloys and Compounds</i> , 2008, 458, 500-503.	2.8	5
1139	Obtenção de filmes finos de TiO_2 nanoestruturado pelo método dos precursores poliméricos. <i>Química Nova</i> , 2008, 31, 1706-1709.	0.3	5
1140	Behaviour of biofuel addition on metallurgical properties of sinter. <i>Ironmaking and Steelmaking</i> , 2009, 36, 333-340.	1.1	5
1141	Nanocomposites of styrene-butadiene rubber and synthetic anatase obtained by a colloidal route and their photooxidation. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1898-1904.	1.3	5
1142	Selection of Desulfurizing Agents and Optimization of Operational Variables in Hot Metal Desulfurization. <i>Steel Research International</i> , 2013, 84, 56-64.	1.0	5
1143	Optical characterization of europium-doped indium hydroxide nanocubes obtained by Microwave-Assisted Hydrothermal method. <i>Materials Research</i> , 2014, 17, 933-939.	0.6	5
1144	Rapid calcination of ferrite $Ni_{0.75}Zn_{0.25}Fe_2O_4$ by microwave energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 277-285.	2.0	5
1145	Enhancement of symmetry-induced photoluminescence in bismuth tungstate microcrystals. <i>Materials Letters</i> , 2016, 184, 298-300.	1.3	5
1146	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> , 2017, 28, 11059-11069.	1.1	5
1147	Electronic Structure, Morphological Aspects, Optical and Electrochemical Properties of RuO_2 Nanocrystals. <i>Electronic Materials Letters</i> , 2019, 15, 645-653.	1.0	5
1148	Effect of the Eu^{3+} ($x=0, 1, 2$ and $3\text{ mol}\%$) doped $Zn_{2-x}Ti_xO_4$ and $Zn_2Ti_{1-x}O_4$ obtained by complex polymerization method: photoluminescent and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20979-20988.	1.1	5
1149	Towards a white-emitting phosphor $Ca_{10}V_6O_{25}$ based material. <i>Journal of Luminescence</i> , 2020, 220, 116990.	1.5	5
1150	A description of the formation and growth processes of $CaTiO_3$ mesocrystals: a joint experimental and theoretical approach. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1255-1266.	1.7	5
1151	Photoluminescent properties of Sm^{3+} and Tb^{3+} codoped $CaWO_4$ nanoparticles obtained by a one-step sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13261-13272.	1.1	5
1152	Síntese e caracterização da cerâmica PZT dopada com íons $báirio$. <i>Cerâmica</i> , 2003, 49, 110-115.	0.3	5

#	ARTICLE	IF	CITATIONS
1153	Evaluation of rare earth oxides doping SnO ₂ ·(Co ^{1/4} ,Mn ^{3/4})O-based varistor system. Materials Research, 2006, 9, 339-343.	0.6	5
1154	Compacting and densification of TiO ₂ nanoparticles. Processing and Application of Ceramics, 2017, 11, 93-99.	0.4	5
1155	Corrosion Behavior in Graphite Refractories Impregnated with ZrO ₂ and CeO ₂ Carrying Solutions. ISIJ International, 2005, 45, 1871-1877.	0.6	5
1156	Behavior of Bi ₂ S ₃ under ultrasound irradiation for Rhodamine B dye degradation. Chemical Physics Letters, 2021, 785, 139123.	1.2	5
1157	Towards a relationship between photoluminescence emissions and photocatalytic activity of Ag ₂ SeO ₄ : combining experimental data and theoretical insights. Dalton Transactions, 2022, 51, 11346-11362.	1.6	5
1158	Structure-activity relationships for histamine H ₂ -antagonists. Computational and Theoretical Chemistry, 1990, 210, 447-453.	1.5	4
1159	MNDO theoretical study of ethanol decomposition process on SnO ₂ surfaces. Computational and Theoretical Chemistry, 1995, 357, 153-159.	1.5	4
1160	Influence of seed particle frequency on the phase formation and on the microstructure of 0.88 PZN-0.07 BT-0.05 PT ceramic. Ceramics International, 2000, 26, 727-731.	2.3	4
1161	An investigation of oxidation and reduction of C ₆₀ , the excited states, energy gaps and stability using semi-empirical and ab initio methods. Computational and Theoretical Chemistry, 2001, 538, 211-223.	1.5	4
1162	Structural characterization of organometallic-derived 9.5/65/35 PLZT ceramics. Materials Chemistry and Physics, 2001, 68, 136-141.	2.0	4
1163	Influence of the growth parameters of TiO ₂ thin films deposited by the MOCVD method. Ceramica, 2002, 48, 38-42.	0.3	4
1164	Photoluminescence in amorphous (PbLa)TiO ₃ thin films deposited on different substrates. Journal of Luminescence, 2002, 99, 7-12.	1.5	4
1165	Title is missing!. Journal of Materials Science: Materials in Electronics, 2002, 13, 403-408.	1.1	4
1166	Effect of charge on the interaction of two C ₆₀ molecules from MNDO and ab initio UHF methods: stability and HOMO-LUMO gaps. Computational and Theoretical Chemistry, 2003, 625, 189-197.	1.5	4
1167	Spectroscopic Studies of SnO ₂ doped with Cr, Co or Nb. Materials Science Forum, 2003, 416-418, 651-657.	0.3	4
1168	Desenvolvimento do pigmento condutor SnO ₂ -Sb ₂ O ₃ e sua aplicação em vidrados semicondutores. Ceramica, 2004, 50, 134-137.	0.3	4
1169	Sinterização de filmes finos de LiNbO ₃ em forno microondas: estudo da influência da direção do fluxo de calor. Ceramica, 2004, 50, 128-133.	0.3	4
1170	Semi-empirical studies of alkaline metals-fullerene MxC ₆₀ , M@C ₆₀ interactions. Computational and Theoretical Chemistry, 2005, 713, 161-169.	1.5	4

#	ARTICLE	IF	CITATIONS
1171	Gas-phase selective conjugate addition of methanol to acetone for methyl vinyl ketone over SnO ₂ nanoparticle catalysts. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 607-613.	0.6	4
1172	Influence of thermal annealing treatment in oxygen atmosphere on grain boundary chemistry and non-ohmic properties of SnO ₂ -MnO polycrystalline semiconductors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 383-388.	0.8	4
1173	Leakage current, ferroelectric and structural properties in Pb _{1-x} BaxTiO ₃ thin films prepared by chemical route. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2796-2803.	1.9	4
1174	Reply to Comment on "Reaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acid". <i>Chemistry of Materials</i> , 2008, 20, 3541-3541.	3.2	4
1175	Influência da adição de nãquel na síntese do SrSnO ₃ . <i>Ceramica</i> , 2008, 54, 120-128.	0.3	4
1176	Effect of strontium addition on ferroelectric phase transition of PZT thin films prepared by chemical route. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 693-698.	1.1	4
1177	Photoluminescence Properties of Nanocrystals. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-2.	1.5	4
1178	Synthesis and Optical Property of MgMoO ₄ ; Crystals. <i>Advanced Materials Research</i> , 0, 975, 243-247.	0.3	4
1179	Stability, characterization and functionality of proton conducting NiO-BaCe _{0.85} Nb _{0.15} O ₃ cermet anodes for IT-SOFC application. <i>Journal of Alloys and Compounds</i> , 2014, 609, 7-13.	2.8	4
1180	The modification of structural and optical properties of nano- and submicron ZnO powders by variation of solvothermal syntheses conditions. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	4
1181	Varistores à base de WO ₃ - revisão. <i>Revista Materia</i> , 2016, 21, 105-114.	0.1	4
1182	Combined theoretical and nanoscale experimental study of Pb(Ca,Ba)TiO ₃ , Pb(Sr,Ba)TiO ₃ , and Pb(Sr,Ca)TiO ₃ complex perovskite structures: An investigation of the ferroelectric and electronic properties. <i>Journal of Alloys and Compounds</i> , 2017, 702, 327-337.	2.8	4
1183	Nanoscale investigation of ferroelectric and piezoelectric properties in (Pb,Ca)TiO ₃ thin films grown on LaNiO ₃ /LaAlO ₃ (1 0 0) and Pt/Si(1 1 1) using piezoresponse force microscopy. <i>Materials Letters</i> , 2017, 196, 64-68.	1.3	4
1184	Magnetocoupling and domain structure of BiFeO ₃ /LaFeO ₃ heterostructures deposited on LaSrCoO ₃ /Pt/TiO ₂ /SiO ₂ /Si(100) substrates by the soft chemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8630-8642.	1.1	4
1185	Stability of rolled-up GaAs nanotubes. <i>Journal of Molecular Modeling</i> , 2017, 23, 204.	0.8	4
1186	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.	1.9	4
1187	ZnO/SnO ₂ Heterojunctions Sensors with UV-Enhanced Gas-Sensing Properties at Room Temperature. <i>Proceedings (mdpi)</i> , 2017, 1, 418.	0.2	4
1188	Investigation of defects dependence of local piezoelectric response on Fe, La-modified (Pb,Sr)TiO ₃ thin films: A piezoresponse force microscopy study. <i>Materials Chemistry and Physics</i> , 2018, 214, 180-184.	2.0	4

#	ARTICLE	IF	CITATIONS
1189	Luminescent and gas sensor properties of the ZrO ₂ :HfO ₂ :Eu ³⁺ Hybrid Compound. Journal of Luminescence, 2018, 197, 38-46.	1.5	4
1190	Evidence for the formation of metallic In after laser irradiation of InP. Journal of Applied Physics, 2019, 126, .	1.1	4
1191	Morphological aspects and optical properties of Ag ₄ P ₂ O ₇ . Materials Letters, 2019, 248, 193-196.	1.3	4
1192	New insights into the nature of the bandgap of CuGeO ₃ nanofibers: Synthesis, electronic structure, and optical and photocatalytic properties. Materials Today Communications, 2021, 26, 101701.	0.9	4
1193	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. Materials Chemistry and Physics, 2021, 258, 123991.	2.0	4
1194	Tailoring the photoluminescence of BaMoO ₄ and BaWO ₄ hierarchical architectures via precipitation induced by a fast precursor injection. Materials Letters, 2021, 293, 129681.	1.3	4
1195	Efeito da adição de rejeito na redução de corante negro em cerâmicas vermelhas. Ceramica, 2005, 51, 144-150.	0.3	4
1196	Revisão: efeito dos metais doadores nas propriedades elétricas e microestruturais dos varistores cerâmicos à base de SnO ₂ . Ceramica, 2008, 54, 296-302.	0.3	4
1197	Influência do uso do forno de microondas ou convencional na síntese de ZrO ₂ . Ceramica, 2008, 54, 451-455.	0.3	4
1198	Electrical and microstructural properties of microwave sintered SnO ₂ -based varistors. Ceramica, 2012, 58, 151-157.	0.3	4
1199	Computational Studies of [(SnO ₂) ₂] _n [Ag ₂ WO ₄] _m Nanotubes. Current Physical Chemistry, 2013, 3, 451-476.	0.1	4
1200	Effect of atmosphere and dopants on sintering of SnO ₂ . Science of Sintering, 2002, 34, 23-31.	0.5	4
1201	Unconventional Disorder by Femtosecond Laser Irradiation in Fe ₂ O ₃ . ACS Omega, 2021, 6, 28049-28062.	1.6	4
1202	Toxicity of Ag ₂ WO ₄ microcrystals to freshwater microalga Raphidocelis subcapitata at cellular and population levels. Chemosphere, 2022, 288, 132536.	4.2	4
1203	Electrical transport mechanisms of Neodymium-doped rare-earth semiconductors. Journal of Materials Science: Materials in Electronics, 2022, 33, 11632-11649.	1.1	4
1204	Effect of calcination temperature and pressure-assisted heat treatment on the dye degradation performance of SnO ₂ photocatalyst obtained by a simple synthesis method. Materials Research Bulletin, 2022, 153, 111914.	2.7	4
1205	Simulation of ionic crystals: calculation of Madelung potentials for stabilized zirconia. Journal of Materials Science, 1995, 30, 4852-4856.	1.7	3
1206	A theoretical study of lithium ion interaction with tin oxide. Computational and Theoretical Chemistry, 1997, 394, 259-265.	1.5	3

#	ARTICLE	IF	CITATIONS
1207	Desenvolvimento de sensores para gás H_2 base de SnO_2 nanoestruturado: influência da microestrutura no desempenho do sensor. <i>Ceramica</i> , 2000, 46, 156-159.	0.3	3
1208	Synthesis and characterization of 9.5/65/35 PLZT prepared from the polymeric precursors. <i>Materials Chemistry and Physics</i> , 2001, 67, 282-287.	2.0	3
1209	Magnetic Properties of Ni Nanoparticles Embedded in Amorphous SiO_2 . <i>Materials Research Society Symposia Proceedings</i> , 2002, 746, 1.	0.1	3
1210	Synthesis and characterization of neodymium nickelate powder produced from polymeric precursors. <i>Journal of Alloys and Compounds</i> , 2002, 344, 157-160.	2.8	3
1211	Ferroelectric Materials with Photoluminescent Properties. <i>Ferroelectrics</i> , 2003, 288, 315-326.	0.3	3
1212	Cinética de sinterização para sistemas base de SnO_2 por taxa de aquecimento constante. <i>Ceramica</i> , 2003, 49, 99-109.	0.3	3
1213	Synthesis of ZrO_2 -based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 461-466.	2.0	3
1214	Processing effects of nanometric rare earth-doped tin oxides on the synthesis of methyl vinyl ketone. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 81, 211-217.	0.6	3
1215	The influence of crystallization route on the properties of lanthanum-doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films prepared from polymeric precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 113, 207-214.	1.7	3
1216	Synthesis of $\text{Ca}_x\text{Sr}_{1-x}\text{WO}_4$ by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 401-406.	2.0	3
1217	Síntese de pigmentos pretos base de Fe, Co e Cr pela rota dos precursores poliméricos. <i>Ceramica</i> , 2006, 52, 293-297.	0.3	3
1218	Ferroelectric and Dielectric Characteristics of $\text{Bi}_{0.3}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ Thin Films Prepared by the Polymeric Precursor Method. <i>Materials Science Forum</i> , 2006, 514-516, 212-215.	0.3	3
1219	Textured $\text{PbZr}_{0.3}\text{Ti}_{0.7}\text{O}_3$ Thin Films Produced by Polymeric Precursor Method Using Microwave Oven. <i>Ferroelectrics</i> , 2006, 335, 211-218.	0.3	3
1220	Temperature dependence of electron properties of Sn doped nanobelts. <i>Physica B: Condensed Matter</i> , 2007, 400, 243-247.	1.3	3
1221	Catalyst nanocomposites templates of carbon nanoribbons, nanospheres and nanotubes. <i>Materials Letters</i> , 2007, 61, 3341-3344.	1.3	3
1222	Combined ^{13}C NMR and DFT/GIAO studies of the polyketides Aurasperone A and Fonsecainone A. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 2408-2416.	1.0	3
1223	A homovalent doping in PMN ceramics by using lithium and scandium cations. <i>Materials Chemistry and Physics</i> , 2008, 112, 886-891.	2.0	3
1224	$\text{PbZr}_{0.3}\text{Ti}_{0.7}\text{O}_3$ thin films obtained by chemical solution deposition: Morphological and ferroelectric characteristics. <i>Journal of Alloys and Compounds</i> , 2008, 461, 326-330.	2.8	3

#	ARTICLE	IF	CITATIONS
1225	Study of phase transition in (Pb,Ba)TiO ₃ thin films. Journal of Applied Physics, 2008, 104, 014107.	1.1	3
1226	Novel Aspects of the Purpose-Built Materials Strategy: Evidence of Topographic Template Effect and Oriented Attachment Growth Mechanism. Journal of Nanoscience and Nanotechnology, 2008, 8, 3447-3453.	0.9	3
1227	Thermogravimetric and UV-vis spectroscopic studies of chromium redox reactions in rutile pigments. Journal of Thermal Analysis and Calorimetry, 2009, 97, 99-103.	2.0	3
1228	Thermal and structural characterization of SrTi _{1-x} Nd _x O ₃ . Journal of Thermal Analysis and Calorimetry, 2009, 97, 559-564.	2.0	3
1229	Effects of strontium and calcium simultaneous substitution on electrical and structural properties of Pb _{1-x} Ca _x Sr _y TiO ₃ thin films. Applied Physics A: Materials Science and Processing, 2009, 96, 731-740.	1.1	3
1230	Reply to Comment on $Pb_{1-x}Ca_xSr_yTiO_3$		

#	ARTICLE	IF	CITATIONS
1243	Desenvolvimento de varistores à base de SnO ₂ para aplicação em redes de alta tensão. <i>Ceramica</i> , 2006, 52, 149-154.	0.3	3
1244	Método de impregnação química aplicado em tubos microporosos e membranas tubulares para a microfiltração de emulsões e suspensões de bactérias. <i>Ceramica</i> , 2008, 54, 21-28.	0.3	3
1245	Síntese e propriedades fotoluminescentes do óxido de cálcio dopado com magnésio. <i>Ceramica</i> , 2014, 60, 371-378.	0.3	3
1246	Theoretical Study of Gallium Arsenide Nanotubes Built From Crystal Plane (110). <i>Current Physical Chemistry</i> , 2016, 6, 85-95.	0.1	3
1247	Fotoluminiscencia del PbTiO ₃ en estado amorfo analizada por métodos ab-initio periódicos. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2004, 43, 644-648.	0.9	3
1248	Propiedades ópticas del pigmento Zn ₂ O ₃ /SiO ₂ . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2005, 44, 223-227.	0.9	3
1249	Rapid Preparation of (BiO) ₂ CO ₃ Nanosheets by Microwave-Assisted Hydrothermal Method with Promising Photocatalytic Activity Under UV-Vis Light. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	3
1250	Ag ₂ WO ₄ under microwave, electron beam and femtosecond laser irradiations: Unveiling the relationship between morphology and photoluminescence emissions. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163840.	2.8	3
1251	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. <i>Chemical Engineering Journal</i> , 2022, 443, 136443.	6.6	3
1252	Formation of Metallic Ag on AgBr by Femtosecond Laser Irradiation. <i>Physchem</i> , 2022, 2, 179-190.	0.5	3
1253	A model for electron transfer in aniline oligomers. <i>Computational and Theoretical Chemistry</i> , 1995, 335, 141-147.	1.5	2
1254	MnO ₂ Influence on the Electrical Properties of SnO ₂ -Based Ceramic Systems. <i>Key Engineering Materials</i> , 2001, 189-191, 161-165.	0.4	2
1255	Nanopartículas catalisadoras suportadas por materiais cerâmicos. <i>Ceramica</i> , 2002, 48, 163-171.	0.3	2
1256	Photoluminescence in amorphous (PbLa)TiO ₃ thin films deposited on different substrates. <i>Journal of Luminescence</i> , 2002, 99, 85-90.	1.5	2
1257	Synthesis of Metal-Oxide Matrix with Embedded Nickel Nanoparticles by a Bottom-up Chemical Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 516-520.	0.9	2
1258	Estudo do comportamento óptico-estrutural do LiNbO ₃ . <i>Ceramica</i> , 2003, 49, 36-39.	0.3	2
1259	Development of SnO ₂ /Sb-based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 481-486.	2.0	2
1260	Luminescence effect in amorphous PLT. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1175-1181.	2.8	2

#	ARTICLE	IF	CITATIONS
1261	Effect of La ₂ O ₃ addition and O ₂ atmosphere on the electric properties of SnO ₂ TiO ₂ . <i>Materials Chemistry and Physics</i> , 2005, 90, 234-238.	2.0	2
1262	A theoretical investigation of the interaction between H, Li, Na, K, and fullerenes. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 302-312.	1.0	2
1263	Síntese e caracterização de nanocompósitos Ni: SiO ₂ processados na forma de filmes finos. <i>Química Nova</i> , 2005, 28, 842-846.	0.3	2
1264	Influência do vanádio nas propriedades morfológicas estruturais e fotoluminescentes do titanato de zinco (Zn ₂ TiO ₄). <i>Cerâmica</i> , 2005, 51, 296-301.	0.3	2
1265	In Situ Observation of Glass Particle Sintering. <i>Journal of Chemical Education</i> , 2006, 83, 410.	1.1	2
1266	Microfiltration with chemistry treating of commercial membranes and microporous tubes for retention of bacteria <i>E. coli</i> on processing of wastewater of dairy products. <i>Desalination</i> , 2006, 200, 313-315.	4.0	2
1267	Influência do pH sobre a estabilidade de suspensões de alumina estabilizadas eletrostericamente. <i>Química Nova</i> , 2007, 30, 70-74.	0.3	2
1268	Improvement of electrical properties of Sr-modified (Pb,Ca)TiO ₃ thin films grown by soft chemistry route. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1951-1956.	1.9	2
1269	Influence of Tungsten Dopant on Sintering and Curie Temperatures of Ba(Zr _{0.10} Ti _{0.90})O ₃ Ceramics. <i>Ferroelectrics</i> , 2008, 367, 120-130.	0.3	2
1270	Pressure-induced electrical and structural anomalies in Pb _{1-x} Ca _x TiO ₃ thin films grown at various oxygen pressures by chemical solution route. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 115402.	1.3	2
1271	Materiais cerâmicos de inserção aplicados a baterias de íons lítio. <i>Cerâmica</i> , 2008, 54, 233-244.	0.3	2
1272	LaNiO ₃ Nanotubes Produced Using a Template-Assisted Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4431-4436.	0.9	2
1273	Structural and electrical properties of LaNiO ₃ thin films grown on (100) and (001) oriented SrLaAlO ₄ substrates by chemical solution deposition method. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1633, 25-33.	0.1	2
1274	Synthesis and Characterization of NaNbO ₃ Mesostructure by a Microwave-Assisted Hydrothermal Method. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1675, 145-150.	0.1	2
1275	Uniaxially aligned ceramic nanofibers obtained by chemical mechanical processing. <i>Journal of Alloys and Compounds</i> , 2014, 604, 175-180.	2.8	2
1276	Synthesis of potassium niobates by the microwave-assisted solvothermal method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 97, 012001.	0.3	2
1277	Annealing temperature dependence of local piezoelectric response of (Pb,Ca)TiO ₃ ferroelectric thin films. <i>Ceramics International</i> , 2017, 43, 5047-5052.	2.3	2
1278	Bridging Structure and Real-Space Topology: Understanding Complex Molecules and Solid-State Materials. , 2017, , 427-454.		2

#	ARTICLE	IF	CITATIONS
1279	Direct preparation of standard functional interfaces in oxide heterostructures for 2DEG analysis through beam-induced platinum contacts. Applied Physics Letters, 2018, 113, .	1.5	2
1280	Toward Expanding the Optical Response of Ag ₂ CrO ₄ and Bi ₂ O ₃ by Their Laser-Mediated Heterojunction. Journal of Physical Chemistry C, 2020, 124, 26404-26414.	1.5	2
1281	Correlation of photocatalytic activity and defects generated in Ca ²⁺ -based heterojunctions. SN Applied Sciences, 2020, 2, 1.	1.5	2
1282	An investigation of photovoltaic devices based on p-type Cu ₂ O and n-type Bi ₂ WO ₃ junction through an electrolyte solution containing a redox pair. International Journal of Energy Research, 2021, 45, 2797-2809.	2.2	2
1283	ZnO/bentonite Hybrids Obtained by a Simple Method of Synthesis and Applied as Catalyst for Biodiesel Production. Engineering Materials, 2021, , 1-25.	0.3	2
1284	Correlation of catalytic oxidation and ionic conductivity properties of nanostructured gadolinium-doped ceria. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 266, 115060.	1.7	2
1285	Structural Refinement, Morphological Features, and Optical, Photo- and Sonophotocatalytic Properties of (Ca _{1-x} Sr _x)WO ₄ Synthesized by the Sonochemical Method. Journal of Photocatalysis, 2021, 2, 147-164.	0.4	2
1286	Unveiling the Ag-Bi miscibility at the atomic level: A theoretical insight. Computational Materials Science, 2021, 197, 110612.	1.4	2
1287	Integrated experimental and theoretical study on the phase transition and photoluminescent properties of ZrO ₂ :xTb ³⁺ (x=1, 2, 4 and 8 mol %). Materials Research Bulletin, 2022, 145, 111532.	2.7	2
1288	Photoluminescence in Alkaline Earth Stannate Thin Films Grown by Physical and Chemical Methods. Engineering Materials, 2021, , 155-183.	0.3	2
1289	A New Method to Control Particle Size and Particle Size Distribution of SnO ₂ Nanoparticles for Gas Sensor Applications. , 2000, 12, 965.		2
1290	Morphology and Optical Properties of SrWO ₄ Powders Synthesized by the Coprecipitation and Polymeric Precursor Methods. , 2017, , 131-154.		2
1291	Síntese e caracterizaçáo do sistema ZrO ₂ -SiO ₂ com adiçáo de cobalto para uso como pigmentos cerâmicos. Ceramica, 2005, 51, 302-307.	0.3	2
1292	Processamento de cerâmicas reticuladas a partir de matérias-primas naturais. Ceramica, 2006, 52, 185-192.	0.3	2
1293	Influence of doping with Sm ³⁺ on photocatalytic reuse of ZnO thin films obtained by spin coating. Revista Materia, 2019, 24, .	0.1	2
1294	A Facile Synthesis Method to Obtain SrSnO ₃ @AO ₂ (A = Ti or Zr) Core Shell Systems. Current Physical Chemistry, 2016, 5, 214-222.	0.1	2
1295	Aerosol deposition of Ba _{0.8} Sr _{0.2} TiO ₃ thin films. Science of Sintering, 2009, 41, 303-308.	0.5	2
1296	Facile Microwave-Assisted Synthesis of Lanthanide Doped CaTiO ₃ Nanocrystals. Journal of the Brazilian Chemical Society, 2015, , .	0.6	2

#	ARTICLE	IF	CITATIONS
1297	Effects of Ag_2WO_4 crystals on photosynthetic efficiency and biomolecule composition of the algae <i>Raphidocelis subcapitata</i> . <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	2
1298	YVO ₄ :RE (RE = Eu, Tm, and Yb/Er) nanoparticles synthesized by the microwave-assisted hydrothermal method for photoluminescence application. <i>Eletica Quimica</i> , 2022, 47, 39-49.	0.2	2
1299	Application of Ni:SiO ₂ nanocomposite to control the carbon deposition on the carbon dioxide reforming of methane. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 491-4.	0.9	2
1300	Modified Titanium Dioxide as a Potential Visible-Light-Activated Photosensitizer for Bladder Cancer Treatment. <i>ACS Omega</i> , 2022, 7, 17563-17574.	1.6	2
1301	The Influence of Fe ₂ O ₃ on Stabilization and Sintering of MgO Stabilized Zirconia. <i>Solid State Phenomena</i> , 1992, 25-26, 285-292.	0.3	1
1302	Correlação entre dados estruturais e bandas de vibração no infravermelho para a fase espinélio Zn _{7-x} Ni _x Sb ₂ O ₁₂ . <i>Ceramica</i> , 2000, 46, 220-224.	0.3	1
1303	High sinterability of Ca-PZT, synthesized by polymeric and partial oxalate process. <i>Journal of Materials Science</i> , 2001, 36, 1001-1006.	1.7	1
1304	Effect of Thermal Treatment on the Morphology of PLZT Thin Films Prepared from Polymeric Precursor Method. <i>Key Engineering Materials</i> , 2001, 189-191, 155-160.	0.4	1
1305	Structural and magnetic properties of Zn ₄ Ni ₃ Sb ₂ O ₁₂ thin films deposited by spin coating. <i>Thin Solid Films</i> , 2002, 414, 270-274.	0.8	1
1306	Efeito do Pr ₂ O ₃ nas propriedades elétricas de varistores à base de SnO ₂ . <i>Ceramica</i> , 2003, 49, 232-236.	0.3	1
1307	Dióxido de estanho nanoestruturado como sensor de NO _x . <i>Ceramica</i> , 2003, 49, 163-167.	0.3	1
1308	Characterization of a crystal grown from <i>Ocimum Basilicum</i> leaves and branches. <i>Crystal Research and Technology</i> , 2004, 39, 864-867.	0.6	1
1309	Investigation in SrTiO ₃ -CaTiO ₃ -PbTiO ₃ ternary thin films by dielectric properties and Raman spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 151-157.	1.1	1
1310	Retention Characteristics of CBTi ₁₄₄ Thin Films Explained by Means of X-Ray Photoemission Spectroscopy. <i>Advances in Materials Science and Engineering</i> , 2010, 2010, 1-7.	1.0	1
1311	Influence of Dopants, Temperature and Atmosphere of Sintered on the Microstructure and Behavior of Lead Free Ceramics. , 0, , .		1
1312	Synthesis of Ba _{1-x} Ca _x TiO ₃ by Complex Polymerization Method (CPM). , 2012, , .		1
1313	Implementation of convective heating in Companhia Siderúrgica Nacional Blast Furnace runners. <i>Applied Thermal Engineering</i> , 2013, 51, 1351-1358.	3.0	1
1314	High-voltage electrophoretic deposition of preferentially oriented films from multiferroic YMn ₂ O ₅ nanopowders. <i>Ceramics International</i> , 2013, 39, 2065-2068.	2.3	1

#	ARTICLE	IF	CITATIONS
1315	Emissão luminescente no titanato de cálcio dopado com íons de terras-raras. <i>Ceramica</i> , 2014, 60, 77-82.	0.3	1
1316	Influence of Calcium Concentration on the Structural and Electrical Properties of PZT Ceramic. <i>Materials Science Forum</i> , 0, 805, 298-304.	0.3	1
1317	Influência do lantânio nas propriedades estruturais do SrSnO ₃ . <i>Ceramica</i> , 2014, 60, 259-266.	0.3	1
1318	Spectroscopic Properties of pigment Li _{2-x} Zn _{1-x} Pr _x Ti ₃ O ₈ . <i>Materials Research</i> , 2016, 19, 824-828.	0.6	1
1319	Espinela Li ₂ CoTi ₃ O ₈ nanométrica obtenida para aplicação como pigmento. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2016, 55, 71-78.	0.9	1
1320	La _{0.5} Sm _{0.5} FeO ₃ : a new candidate for magneto-electric coupling at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10747-10757.	1.1	1
1321	Fast and efficient microwave-assisted synthesis of CaTiO ₃ . <i>Materials Research Express</i> , 2017, 4, 065014.	0.8	1
1322	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.	0.4	1
1323	Electrical transport properties and complex impedance investigation of Fe ³⁺ and La ³⁺ co-doping (Pb,Sr)TiO ₃ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 236-237, 179-188.	1.7	1
1324	Nonvolatile memories. , 2018, , 275-282.		1
1325	Metallic behavior in STO/LAO heterostructures with non-uniformly atomic interfaces. <i>Materials Today Communications</i> , 2020, 24, 101339.	0.9	1
1326	Integration of experiment and computational modeling on the Tb doping process in CaMoO ₄ obtained by USP method: An efficient way to obtain photoluminescent materials. <i>ChemPhysChem</i> , 2020, , .	1.0	1
1327	Piezoelectric Effect in Composite Polyurethane "Ferroelectric Ceramics. , 1999, 172, 265.		1
1328	Rietveld Analyses and Piezoelectric Properties of Niobium Doped Bismuth Titanate Systems. <i>Journal of Advanced Microscopy Research</i> , 2010, 5, 149-157.	0.3	1
1329	Estudo ab-initio da alanina em meio aquoso. <i>Química Nova</i> , 1999, 22, 501-505.	0.3	1
1330	Experimental and Theoretical Studies of Photoluminescence in ZnS Obtained by Microwave-Assisted Solvothermal Method. <i>Current Physical Chemistry</i> , 2013, 3, 413-418.	0.1	1
1331	Electrical properties of calcium doped BiFeO ₃ films on LaNiO ₃ coated Pt substrates. <i>Processing and Application of Ceramics</i> , 2018, 12, 153-163.	0.4	1
1332	Innovaciones en la gestión y calidad de los revestimientos refractarios en la Compañía Siderúrgica Nacional (Brasil). <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2002, 41, 233-239.	0.9	1

#	ARTICLE	IF	CITATIONS
1333	S�ntese de BaTiO ₃ e SrTiO ₃ pelo m�todo hidrotermal assistido por micro-ondas utilizando anatase como precursor de tit�nio. Quimica Nova, 0, , .	0.3	1
1334	Single-walled silicon nanotube as an exceptional candidate to eliminate SARS-CoV-2: a theoretical study. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3042-3051.	2.0	1
1335	Comparative study of benzimidazole encapsulation in boron nitride and carbon nanotubes: A quantum chemistry study. Ecletica Quimica, 2022, 47, 50-56.	0.2	1
1336	Surfactant effects in the morphology and the photocatalytic activity of the BaMoO ₄ crystals. Ecletica Quimica, 2022, 47, 80-89.	0.2	1
1337	Luminescence and structural properties of Ca _{1-x} ZrO ₃ :Eu ^x : An experimental and theoretical approach. Ecletica Quimica, 2022, 47, 90-104.	0.2	1
1338	Low recombination rates and band alignments as decisive condition to high J _{sc} and FF at ZnS complex system. Physical Chemistry Chemical Physics, 0, , .	1.3	1
1339	CNDO/2-INDO calculations on a mini-computer. Journal of Chemical Education, 1984, 61, 525.	1.1	0
1340	Synthesis And Sintering of Manganese Doped SnO ₂ In Several Atmospheres. , 1999, , 437-444.		0
1341	Synthesis and Sintering Of PZT Ceramics. , 1999, , 355-366.		0
1342	Microstructural and Electric Properties of Bismuth-Layered Structured Ceramics - SrBi ₂ (Ta _{1-x} Nb _x)O ₉ . Key Engineering Materials, 2002, 206-213, 1369-1372.	0.4	0
1343	Sol-Gel Non-hydrolytic Synthesis of a Nanocomposite Electrolyte for Application in Lithium-ion Devices. Materials Research Society Symposia Proceedings, 2004, 822, S3.1.1.	0.1	0
1344	Influ�ncia do m�todo de s�ntese na obten�o de p�s de Na ₂ TiSiO ₅ . Ceramica, 2005, 51, 289-295.	0.3	0
1345	Room temperature photoluminescence of (RE)NiO ₃ (RE=La, Y, Er, Ho, Nd and La _{1-x} Y _x). Ceramica, 2007, 53, 165-168.	0.3	0
1346	Structural and morphological characterization of rare earth modified lead titanate. Ceramica, 2007, 53, 422-447.	0.3	0
1347	Oriented growth of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films on RuO ₂ /SiO ₂ /Si substrates by using the polymeric precursor method: Structural, microstructural and electrical properties. Journal of Electroceramics, 2007, 18, 39-43.	0.8	0
1348	Defect-Induced Photoluminescence of Powdered Silica Glass. Defect and Diffusion Forum, 0, 273-276, 479-484.	0.4	0
1349	Nanocomp�sitos cer�micos a partir do processo de moagem mec�nica de alta energia. Quimica Nova, 2008, 31, 962-968.	0.3	0
1350	Development of SNO ₂ based varistors -electrical behavior and pulse degradation comparatively to ZNO varistors. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
1351	Surface Equilibrium Angle for Anisotropic Grain Growth and Densification Model in Ceramic Materials. , 0, , .		0
1352	Morphology and Properties of (Ba, Sr, Ca) Titanates Synthesized by Microwave-Assisted Hydrothermal Method. IOP Conference Series: Materials Science and Engineering, 2011, 18, 062019.	0.3	0
1353	Caracterizaç�o el�trica de blocos varistores � base de SnO2. Ceramica, 2012, 58, 349-356.	0.3	0
1354	Fabrication and characterization of PZT-PAni/PVDF based nanocomposite. , 2013, , .		0
1355	S�ntese de nanocatalisador cer�mico a base de SnO2 pelo m�todo hidrotermal assistido por micro-ondas aplicado a rea��o de transesterifica�o do �leo de baba�u. Ceramica, 2014, 60, 397-401.	0.3	0
1356	Effects of the Addition of Ions Barium on the Structural and Electrical Properties of PZT Ceramic. Materials Science Forum, 2014, 798-799, 199-204.	0.3	0
1357	Microwave hydrothermal synthesis, characterisation, and catalytic performance of Zn1�x Mn xO in cellulose conversion. Chemical Papers, 2014, 68, .	1.0	0
1358	Microstructure and Thermal Conductivity of Porous Al₂O₃-ZrO₂ Ceramics. Materials Science Forum, 2015, 820, 268-273.	0.3	0
1359	S�ntese e caracteriza�o de catalisadores SnO2.Nb suportado em argila maranhense. Revista Materia, 2018, 23, .	0.1	0
1360	Effect of the pH pre-adjustment on the formation of In2W3O12 and In6WO12 powders: Cluster coordination and optical band gap. Boletim De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 59, 2-14.	0.9	0
1361	Nanofitas de �xido de estanho: controle do estado de oxida�o pela atmosfera de s�ntese. Ceramica, 2004, 50, 58-61.	0.3	0
1362	Comportamento t�rmico do PbTiO3 modificado por terras raras. Ceramica, 2005, 51, 252-258.	0.3	0
1363	�o inox bactericida. Revista Escola De Minas, 2007, 60, 101-108.	0.1	0
1364	Determination of Corrosion Factors in Glass Furnaces. Ceramic Engineering and Science Proceedings, 0, , 75-88.	0.1	0
1365	Phonon Confinement Model to Measure the Average Sizes of Anatase Nanoparticles Synthesized by a Solvothermal Method Using H2O2. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0
1366	Sintering of ZnO Doped SnO2. , 1999, , 377-383.		0
1367	Cer�mica Eletr�nica: Grupo LIEC - UFSCar. Ceramica, 1999, 45, 04-08.	0.3	0
1368	Obten�o e caracteriza�o de filmes finos ferroel�tricos: Grupo LIEC - UFSCar. Ceramica, 1999, 45, 09-12.	0.3	0

#	ARTICLE	IF	CITATIONS
1369	Understanding the active copper sites of Cu/ZrO ₂ catalyst applied to direct conversion of ethanol to ethyl acetate and hydrogen. , 0, , .		0
1370	SÍNTESE DE NANOPARTÍCULAS DE SnO ₂ DOPADAS COM NÍQUEL PELO MÓTODO HIDROTERMAL ASSISTIDO POR MICRO-ONDAS E SUA UTILIZAÇÃO COMO CATALIZADORES NA OBTENÇÃO DE BIODIESEL. Holos, 0, 5, 55.	0.0	0
1371	Caracterização do composto de CuCr ₂ O ₄ obtido pelo método da reação de combustão em solução. Revista Materia, 2019, 24, .	0.1	0
1372	Theoretical Study of the Structural Properties of the Lead Titanate Doped with Strontium. Orbital, 2019, 11, .	0.1	0
1373	High Coverage of H ₂ , CH ₄ , NH ₃ and H ₂ O on (110) SnO ₂ Nanotubes. Engineering Materials, 2020, , 169-188.	0.3	0
1374	Photocatalytic and Photoluminescent Properties of TiO ₂ Nanocrystals Obtained by the Microwave Solvothermal Method. Engineering Materials, 2020, , 67-83.	0.3	0
1375	Influence of Cu-doped TiO ₂ on its structural and photocatalytic properties. Ectetica Quimica, 2022, 47, 130-140.	0.2	0
1376	Performance and stability of femtosecond laser-irradiated Fe ₂ O ₃ materials as photocatalysts for methylene blue dye discoloration. Ectetica Quimica, 2022, 47, 105-119.	0.2	0
1377	Influence of Zr-metal-organic framework coupling on the morphology and photoelectrochemical properties of SnO ₂ . Ectetica Quimica, 2022, 47, 120-129.	0.2	0
1378	Activated carbon from pumpkin seeds: Production by simultaneous carbonization activation for occupational respiratory protection. Ectetica Quimica, 2022, 47, 63-76.	0.2	0
1379	High photocatalytic activity of Ag/Ag ₃ PO ₄ :W heterostructure formed by femtosecond laser irradiation. Ectetica Quimica, 2022, 47, 20-27.	0.2	0
1380	Comparative study of benzimidazole encapsulation in boron nitride and carbon nanotubes: A quantum chemistry study. Ectetica Quimica, 2022, 47, 57-62.	0.2	0
1381	Activated carbon from pumpkin seeds: Production by simultaneous carbonization activation for occupational respiratory protection. Ectetica Quimica, 2022, 47, 77-79.	0.2	0