

V R Mastelaro

List of Publications by Year in descending order

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219
papers

6,904
citations

53660

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72
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224
all docs

224
docs citations

224
times ranked

7736
citing authors

#	ARTICLE	IF	CITATIONS
1	Activity and Characterization by XPS, HR-TEM, Raman Spectroscopy, and BET Surface Area of CuO/CeO ₂ -TiO ₂ Catalysts. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10515-10522.	1.2	243
2	Inhibition of the Anatase→Rutile Phase Transformation with Addition of CeO ₂ to CuO-TiO ₂ System: Raman Spectroscopy, X-ray Diffraction, and Textural Studies. <i>Chemistry of Materials</i> , 2002, 14, 2514-2518.	3.2	211
3	Yolk-shelled ZnCo ₂ O ₄ microspheres: Surface properties and gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 906-915.	4.0	197
4	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
5	Cluster Coordination and Photoluminescence Properties of Ag ₂ WO ₄ Microcrystals. <i>Inorganic Chemistry</i> , 2012, 51, 10675-10687.	1.9	168
6	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO ₃ Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 5381-5387.	3.2	166
7	Structural conditions that leads to photoluminescence emission in SrTiO ₃ : An experimental and theoretical approach. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	143
8	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
9	Surface Morphology-Dependent Room-Temperature LaFeO ₃ Nanostructure Thin Films as Selective NO ₂ Gas Sensor Prepared by Radio Frequency Magnetron Sputtering. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13917-13927.	4.0	125
10	One-step approach for preparing ozone gas sensors based on hierarchical NiCo ₂ O ₄ structures. <i>RSC Advances</i> , 2016, 6, 92655-92662.	1.7	114
11	Vanadium Pentoxide Nanostructures: An Effective Control of Morphology and Crystal Structure in Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2009, 9, 3626-3631.	1.4	112
12	UV-assisted chemiresistors made with gold-modified ZnO nanorods to detect ozone gas at room temperature. <i>Mikrochimica Acta</i> , 2019, 186, 418.	2.5	109
13	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
14	A novel ozone gas sensor based on one-dimensional (1D) Ag ₂ WO ₄ nanostructures. <i>Nanoscale</i> , 2014, 6, 4058-4062.	2.8	105
15	²⁹ Si MAS-NMR studies of Q _n structural units in metasilicate glasses and their nucleating ability. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 8-18.	1.5	102
16	Photocatalytic degradation of organic dyes under visible light irradiation by floral-like LaFeO ₃ nanostructures comprised of nanosheet petals. <i>New Journal of Chemistry</i> , 2014, 38, 5480-5490.	1.4	97
17	Q _n distribution in stoichiometric silicate glasses: thermodynamic calculations and ²⁹ Si high resolution NMR measurements. <i>Journal of Non-Crystalline Solids</i> , 2003, 325, 164-178.	1.5	96
18	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

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19	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
20	Structural studies in lead germanate glasses: EXAFS and vibrational spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1993, 159, 213-221.	1.5	85
21	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
22	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
23	Relationship between short-range order and ease of nucleation in Na ₂ Ca ₂ Si ₃ O ₉ , CaSiO ₃ and PbSiO ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2000, 262, 191-199.	1.5	83
24	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
25	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
26	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
27	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
28	An improved method for preparation of SrTiO ₃ nanoparticles. <i>Materials Chemistry and Physics</i> , 2011, 125, 168-173.	2.0	69
29	An easy method of preparing ozone gas sensors based on ZnO nanorods. <i>RSC Advances</i> , 2015, 5, 19528-19533.	1.7	68
30	Acetone gas sensor based on 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
31	Photocatalytic degradation of organic pollutants by shape selective synthesis of Ga ₂ O ₃ microspheres constituted by nanospheres for environmental remediation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2617-2627.	5.2	64
32	Quantum Mechanics Insight into the Microwave Nucleation of SrTiO ₃ Nanospheres. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24792-24808.	1.5	62
33	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. <i>Advanced Materials for Optics and Electronics</i> , 2000, 10, 235-240.	0.6	58
34	XAS and XRD Structural Characterization of Lanthanum-Modified PbTiO ₃ Ceramic Materials. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14840-14849.	1.2	57
35	Local Structure and Surface Properties of Co _x Zn _{1-x} O Thin Films for Ozone Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26066-26072.	4.0	57
36	Structural studies of a ZrO ₂ -CeO ₂ doped system. <i>Journal of the European Ceramic Society</i> , 2003, 23, 273-282.	2.8	56

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37	In-Depth Understanding of the Relation between CuAlO_2 Particle Size and Morphology for Ozone Gas Sensor Detection at a Nanoscale Level. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21739-21749.	4.0	56
38	X-ray Absorption Fine Structure (XAFS) Studies of Oxide Glasses—A 45-Year Overview. <i>Materials</i> , 2018, 11, 204.	1.3	55
39	Residual stresses in a soda-lime-silica glass-ceramic. <i>Journal of Non-Crystalline Solids</i> , 1996, 194, 297-304.	1.5	54
40	Blue-green and red photoluminescence in $\text{CaTiO}_3\text{:Sm}$. <i>Journal of Luminescence</i> , 2007, 126, 403-407.	1.5	53
41	Highly selective ozone gas sensor based on nanocrystalline $\text{Zn}_{0.95}\text{Co}_{0.05}\text{O}$ thin film obtained via spray pyrolysis technique. <i>Applied Surface Science</i> , 2019, 478, 347-354.	3.1	53
42	Anisotropic residual stresses in partially crystallized $\text{Li}_2\text{O}\cdot 2\text{SiO}_2$ glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 79-86.	1.5	49
43	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
44	Structural characterization of the $\text{V}_2\text{O}_5/\text{TiO}_2$ system obtained by the sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 833-839.	1.9	47
45	On the reversed crystal growth of BaZrO_3 decaoctahedron: shape evolution and mechanism. <i>CrystEngComm</i> , 2011, 13, 5818.	1.3	47
46	Insight into the Effects of Fe Addition on the Local Structure and Electronic Properties of SrTiO_3 . <i>Journal of Physical Chemistry C</i> , 2014, 118, 4930-4940.	1.5	45
47	Unveiling the role of $\hat{\Gamma}^2\text{-Ag}_2\text{MoO}_4$ microcrystals to the improvement of antibacterial activity. <i>Materials Science and Engineering C</i> , 2020, 111, 110765.	3.8	44
48	Rapid hydrothermal synthesis and pH-dependent photocatalysis of strontium titanate microspheres. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 651-657.	1.9	43
49	Ozone gas sensor based on nanocrystalline $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_3$ thin films. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 919-924.	4.0	41
50	One-Dimensional $\text{V}_2\text{O}_5/\text{TiO}_2$ Heterostructures for Chemiresistive Ozone Sensors. <i>ACS Applied Nano Materials</i> , 2019, 2, 4756-4764.	2.4	41
51	Detection of the neurotransmitter dopamine by a glassy carbon electrode modified with self-assembled perovskite LaFeO_3 microspheres made up of nanospheres. <i>RSC Advances</i> , 2014, 4, 25957-25962.	1.7	40
52	Ozone and nitrogen dioxide gas sensor based on a nanostructured $\text{SrTi}_{0.85}\text{Fe}_{0.15}\text{O}_3$ thin film. <i>Journal of Alloys and Compounds</i> , 2015, 638, 374-379.	2.8	40
53	Local structure and hybridization states in $\text{Ba}_{0.9}\text{Ca}_{0.1}\text{Ti}_{1-x}\text{Zr}_x\text{O}_3$ ceramic compounds: Correlation with a normal or relaxor ferroelectric character. <i>Acta Materialia</i> , 2015, 84, 164-171.	3.8	40
54	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

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55	Correlation Between Photoluminescence and Structural Defects in $\text{Ca}_{1-x}\text{Cu}_x\text{Ti}$ Systems. <i>Journal of the American Ceramic Society</i> , 2013, 96, 209-217.	4.0	37
56	A novel organic pollutants gas sensing material p-type CuAlO_2 microsphere constituted of nanoparticles for environmental remediation. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 138-148.	4.0	37
57	On the structural properties of $\text{Si}_{1-x}\text{C}_x\text{H}$ thin films. <i>Journal of Applied Physics</i> , 1996, 79, 1324-1329.	1.1	36
58	Syngas for Fischer-Tropsch synthesis by methane tri-reforming using nickel supported on MgAl_2O_4 promoted with Zr, Ce and Ce-Zr. <i>Applied Surface Science</i> , 2019, 481, 747-760.	3.1	36
59	Cellulose nanofibers production using a set of recombinant enzymes. <i>Carbohydrate Polymers</i> , 2021, 256, 117510.	5.1	35
60	Characterization of the third-order optical nonlinearity spectrum of barium borate glasses. <i>Optical Materials</i> , 2017, 73, 16-19.	1.7	34
61	Phase evolution of lead titanate from its amorphous precursor synthesized by the OPM wet-chemical route. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1994-2001.	1.4	33
62	Synthesis of ZnO Nanoparticles Assisted by N Sources and their Application in the Photodegradation of Organic Contaminants. <i>ChemCatChem</i> , 2017, 9, 3795-3804.	1.8	33
63	Local structure study of vanadium pentoxide 1D-nanostructures. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4937-4946.	0.8	32
64	Local electronic structure, optical bandgap and photoluminescence (PL) properties of $\text{Ba}(\text{Zr}_{0.75}\text{Ti}_{0.25})\text{O}_3$ powders. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1035-1045.	1.9	31
65	Fabrication of $\text{SrTiO}_3/\text{g-C}_3\text{N}_4$ heterostructures for visible light-induced photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2020, 108, 104887.	1.9	31
66	Investigation on magnetic and electric properties of morphologically different perovskite LaFeO_3 nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8652-8662.	1.1	30
67	Ag and Cu doped ZnO nanowires: A pH-Controlled synthesis via chemical bath deposition. <i>Materialia</i> , 2019, 5, 100212.	1.3	30
68	Synthesis and thermal decomposition of $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_3$ (0.0 $\leq x \leq$ 0.1) powders obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 173-177.	2.0	29
69	Wavelength effect of ns-pulsed radiation on the reduction of graphene oxide. <i>Applied Surface Science</i> , 2020, 506, 144808.	3.1	29
70	Microstructural, structural and electrical properties of La^{3+} -modified $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ ferroelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2009, 29, 751-756.	2.8	28
71	Relationship between Crystal Shape, Photoluminescence, and Local Structure in SrTiO_3 by Microwave-Assisted Hydrothermal Method. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	1.5	28
72	Prozac [®] photodegradation mediated by Mn-doped TiO_2 nanoparticles: Evaluation of by-products and mechanisms proposal. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104543.	3.3	28

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73	The influence of oxygen in the photoexpansion of GaGeS glasses. Applied Surface Science, 2003, 205, 143-150.	3.1	27
74	Synthesis optimization, structural evolution and optical properties of $Y_{0.9}Er_{0.1}Al_3(BO_3)_4$ nanopowders obtained by soft chemistry methods. Solid State Sciences, 2008, 10, 1835-1845.	1.5	27
75	Catalyst free vapor-phase solid deposition of morphologically different $In_2Ga_2O_3$ nanostructure thin films for selective CO gas sensors at low temperature. Analytical Methods, 2016, 8, 3224-3235.	1.3	27
76	X-ray photoelectron spectroscopy study on sintered $Pb_{1-x}La_xTiO_3$ ferroelectric ceramics. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 476-481.	0.8	26
77	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
78	Development of $Co_3[Co(CN)_6]_2/Fe_3O_4$ Bifunctional Nanocomposite for Clinical Sensor Applications. ACS Applied Nano Materials, 2018, 1, 4283-4293.	2.4	26
79	Femtosecond laser processing of glassy and polymeric matrices containing metals and semiconductor nanostructures. Optical Materials, 2013, 35, 2643-2648.	1.7	25
80	Fundamental studies of magneto-optical borogermanate glasses and derived optical fibers containing Tb^{3+} . Journal of Materials Research and Technology, 2021, 11, 312-327.	2.6	25
81	Ozone detection in the ppt-level with rGO-ZnO based sensor. Sensors and Actuators B: Chemical, 2021, 338, 129779.	4.0	25
82	Electronic structure of $Pb_{1-x}La_xTiO_3$ ferroelectric materials from Ti 2p and O 1s soft x-ray absorption spectroscopy. Journal of Applied Physics, 2006, 99, 044104.	1.1	24
83	Growth kinetics of vanadium pentoxide nanostructures under hydrothermal conditions. Journal of Crystal Growth, 2010, 312, 3555-3559.	0.7	24
84	Ion-sensing properties of 1D vanadium pentoxide nanostructures. Nanoscale Research Letters, 2012, 7, 310.	3.1	24
85	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
86	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of Ag Cu PO_4 powders. Applied Surface Science, 2018, 440, 61-72.	3.1	24
87	Silver-controlled evolution of morphological, structural, and optical properties of three-dimensional hierarchical WO_3 structures synthesized from hydrothermal method. Journal of Alloys and Compounds, 2018, 736, 143-151.	2.8	24
88	Structure study of donor doped barium titanate prepared from citrate solutions. Science of Sintering, 2004, 36, 179-188.	0.5	24
89	Surface Characterisation of V_2O_5/TiO_2 Catalytic System. Physica Status Solidi A, 2001, 187, 161-169.	1.7	23
90	Induction of relaxor state in ordinary ferroelectrics by isovalent ion substitution: A pretransitional martensitic texture case. Physical Review B, 2006, 73, .	1.1	23

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91	One-Step Synthesis of Nickel Sulfides and Their Electrocatalytic Activities for Hydrogen Evolution Reaction: A Case Study of Crystalline h-NiS and o-Ni ₉ S ₈ Nanoparticles. ACS Applied Energy Materials, 2020, 3, 9498-9503.	2.5	23
92	As _x Se _{1-x} system (0.20 ≤ x ≤ 0.57): EXAFS study of the glass region. Journal of Solid State Chemistry, 1992, 96, 301-310.	1.4	22
93	X-ray photoelectron spectroscopy, x-ray absorption spectroscopy, and x-ray diffraction characterization of CuO@TiO ₂ @CeO ₂ catalyst system. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1150-1157.	0.9	22
94	Surface crystallization of β -BaB ₂ O ₄ phase using a CO ₂ laser source. Journal of Non-Crystalline Solids, 2002, 306, 309-312.	1.5	22
95	Er:YAB nanoparticles and vitreous thin films by the polymeric precursor method. Journal of Nanoparticle Research, 2008, 10, 1251-1262.	0.8	22
96	An efficient synthesis route of Na ₂ V ₆ O ₁₆ ·nH ₂ O nanowires in hydrothermal conditions. Materials Chemistry and Physics, 2011, 127, 56-61.	2.0	22
97	Thermal and structural modification in transparent and magnetic germanoborate glasses induced by Cd ₂ O ₃ . Ceramics International, 2020, 46, 22079-22089.	2.3	22
98	Influence of Structural Disorder on the Photoluminescence Emission of PZT Powders. Journal of Physical Chemistry A, 2008, 112, 8953-8957.	1.1	21
99	Novel SrTi _{1-x} FexO ₃ nanocubes synthesized by microwave-assisted hydrothermal method. CrystEngComm, 2012, 14, 4068.	1.3	21
100	Local order and electronic structure of Pb _{1-x} LaxZr _{0.40} Ti _{0.60} O ₃ materials and its relation with ferroelectric properties. Journal of Applied Physics, 2012, 111, .	1.1	21
101	Heterogeneous Fenton-like surface properties of oxygenated graphitic carbon nitride. Journal of Colloid and Interface Science, 2021, 587, 479-488.	5.0	21
102	Structure of the Ag _{1-x} As _{1-x} Se chalcogenide glasses: the AsSe _{1-x} Ag ₂ Se line. Journal of Non-Crystalline Solids, 1992, 151, 1-12.	1.5	20
103	Crystallization, texture and second-harmonic generation in TiO ₂ @Ba@B ₂ O ₃ glasses. Optical Materials, 2006, 28, 935-943.	1.7	20
104	X-ray powder diffraction structural characterization of Pb _{1-x} Ba _x Zr _{0.65} Ti _{0.35} O ₃ ceramic. Acta Crystallographica Section B: Structural Science, 2007, 63, 713-718.	1.8	20
105	Er:YAl ₃ (BO ₃) ₄ glassy thin films from polymeric precursor and sol-gel methods: Waveguides for integrated optics. Thin Solid Films, 2009, 517, 6584-6587.	0.8	20
106	Comparative EXAFS study of (Ag ₂ X) _y (As ₂ X ₃) _{1-x} glasses (X = Se or S). Journal of Non-Crystalline Solids, 1995, 185, 274-282.	1.5	19
107	An investigation into the influence of zinc precursor on the microstructural, photoluminescence, and gas-sensing properties of ZnO nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	19
108	Insights on the mechanism of solid state reaction between TiO ₂ and BaCO ₃ to produce BaTiO ₃ powders: The role of calcination, milling, and mixing solvent. Ceramics International, 2020, 46, 2987-3001.	2.3	19

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109	Crystallization study of SrTiO ₃ thin films prepared by dip coating. <i>Materials Research</i> , 1999, 2, 93-97.	0.6	18
110	Internal Residual Stress Measurements in a Bioactive Glass-Ceramic Using Vickers Indentation. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2359-2368.	1.9	18
111	One-step controllable synthesis of three-dimensional WO ₃ hierarchical architectures with different morphologies decorated with silver nanoparticles: enhancing the photocatalytic activity. <i>RSC Advances</i> , 2020, 10, 6625-6639.	1.7	18
112	EXAFS and Raman spectroscopy study of binary indium fluoride glasses. <i>Journal of Materials Science</i> , 1996, 31, 3441-3446.	1.7	17
113	Synthesis and Characterization of the BaB_2O_4 Phase Obtained by the Polymeric Precursor Method. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 29, 89-96.	1.1	17
114	Synthesis and characterization of $\text{Pb}_{1-x}\text{La}_x\text{TiO}_3$ nanocrystalline powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 747-751.	2.0	17
115	Disorder-dependent photoluminescence in $\text{Ba}_{0.8}\text{Ca}_{0.2}\text{TiO}_3$ at room temperature. <i>Journal of Luminescence</i> , 2009, 129, 686-690.	1.5	17
116	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
117	Europium-doped calcium titanate: Optical and structural evaluations. <i>Journal of Alloys and Compounds</i> , 2014, 585, 154-162.	2.8	17
118	CuO nanoparticles decorated on hydroxyapatite/ferrite magnetic support: photocatalysis, cytotoxicity, and antimicrobial response. <i>Environmental Science and Pollution Research</i> , 2022, 29, 41505-41519.	2.7	17
119	Grain size effect on the structural and dielectric properties of $\text{Pb}_{0.85}\text{La}_{0.15}\text{TiO}_3$ ferroelectric ceramic compound. <i>Ceramics International</i> , 2012, 38, 5879-5887.	2.3	16
120	Structural XANES characterization of $\text{Ca}_{0.99}\text{Sm}_{0.01}\text{TiO}_3$ perovskite and correlation with photoluminescence emission. <i>Chemical Physics Letters</i> , 2012, 544, 43-48.	1.2	16
121	The effect of morphology on the ozone-gas sensing properties of zinc oxide sputtered films. <i>Thin Solid Films</i> , 2020, 703, 137975.	0.8	16
122	Fabrication of waveguides by fs-laser micromachining in $\text{Dy}_{3-x}\text{Eu}_x\text{Mg}_2\text{Si}_2\text{O}_{12}$ garnets. <i>Optics Express</i> , 2019, 27, 2020-2030.	1.4	15
123	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
124	Cu-Modified SrTiO ₃ Perovskites Toward Enhanced Water-Gas Shift Catalysis: A Combined Experimental and Computational Study. <i>ACS Applied Energy Materials</i> , 2021, 4, 452-461.	2.5	15
125	Chemical and structural characterization of V ₂ O ₅ /TiO ₂ catalysts. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1158-1163.	0.9	14
126	A sol-gel route for the development of rare-earth aluminum borate nanopowders and transparent thin films. <i>Journal of Solid State Chemistry</i> , 2007, 180, 611-618.	1.4	14

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127	Structural Role of Fluoride in the Ion-Conducting Glass System $B_{2-x}O_{3-x}PbO_xLiF$ Studied by Single- and Double-Resonance NMR. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10462-10471.	1.5	14
128	Nanograined Ferroelectric Ceramics Prepared by High-Pressure Densification Technique. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1679-1683.	1.9	14
129	In situ X-ray diffraction studies of phase transition in $Pb_{1-x}La_xZr_{0.40}Ti_{0.60}O_3$ ferroelectric ceramics. <i>Phase Transitions</i> , 2010, 83, 251-262.	1.4	14
130	Fe valence fluctuations and magnetoelastic coupling in Pb-based multiferroics perovskites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 386-390.	0.8	14
131	In situ study of copper reduction in $SrTi_{1-x}Cu_xO_3$ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2070-2079.	1.3	14
132	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
133	Effective removal of basic dye onto sustainable chitosan beads: Batch and fixed-bed column adsorption, beads stability and mechanism. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100348.	1.6	14
134	Short-range structure of $Pb_{1-x}Ba_xZr_{0.65}Ti_{0.35}O_3$ ceramic compounds probed by XAS and Raman scattering techniques. <i>Journal of Applied Physics</i> , 2009, 105, 033508.	1.1	13
135	Local structure around Fe ions on multiferroic $Pb(Fe_{1/2}Nb_{1/2})O_3$ ceramics probed by x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	13
136	X-ray absorption spectroscopic studies of Mn atoms in $La_{1-x}Sr_xMnO_3$ compounds. <i>X-Ray Spectrometry</i> , 2002, 31, 154-157.	0.9	12
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