Chikkadasappa Shivakumara

List of Publications by Year
in descending order

186 papers	7,089 citations	38742 50 h-index	82547 72 g-index
189 all docs	189 docs citations	189 times ranked	7180 citing authors

#	Article	IF	Citations
1	Structural, optical and EPR studies on ZnO:Cu nanopowders prepared via low temperature solution combustion synthesis. Journal of Alloys and Compounds, 2011, 509, 5349-5355.	5.5	272
2	Grapheneâ€“nanocrystalline metal sulphide composites produced by a one-pot reaction starting from graphite oxide. Carbon, 2009, 47, 2054-2059.	10.3	246
3	Combustion synthesis, characterization and Raman studies of ZnO nanopowders. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 53-58.	3.9	143
4	Effect of Calcination Temperature on Structural, Photoluminescence, and Thermoluminescence Properties of Y₂O₃:Eu³⁺ Nanophosphor. Journal of Physical Chemistry C, 2013, 117, 1915-1924.	3.1	142
5	Effect of Li+-ion on enhancement of photoluminescence in Gd2O3:Eu3+ nanophosphors prepared by combustion technique. Journal of Alloys and Compounds, 2011, 509, 2368-2374.	5.5	135
6	Mechanism of the anion exchange reactions of the layered double hydroxides (LDHs) of Ca and Mg with Al. Solid State Sciences, 2005, 7, 1180-1187.	3.2	128
7	Observation of the exchange spring behavior in hardâ€“soft-ferrite nanocomposite. Journal of Magnetism and Magnetic Materials, 2009, 321, L11-L14.	2.3	124
8	Combustion synthesized tetragonal ZrO2: Eu3+ nanophosphors: Structural and photoluminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 241-251.	3.9	124
9	Graphite Oxide-Intercalated Anionic Clay and Its Decomposition to Grapheneâ^'Inorganic Material Nanocomposites. Langmuir, 2008, 24, 8240-8244.	3.5	115
10	White luminescence in Dy 3+ doped BiOCl phosphors and their Juddâ€“Ofelt analysis. Dyes and Pigments, 2016, 126, 154-164.	3.7	115
11	Dy3+/Eu3+ co-doped CsGd(MoO4)2 phosphor with tunable photoluminescence properties for near-UV WLEDs applications. Dyes and Pigments, 2017, 137, 244-255.	3.7	105
12	Conservation of Order, Disorder, and â€œCrystallinityâ€•during Anion-Exchange Reactions among Layered Double Hydroxides (LDHs) of Zn with Al. Journal of Physical Chemistry B, 2007, 111, 3411-3418.	2.6	95
13	Phase transformation of ZrO2:Tb3+ nanophosphor: Color tunable photoluminescence and photocatalytic activities. Journal of Alloys and Compounds, 2015, 622, 86-96.	5.5	87
14	Effect of different fuels on structural, thermo and photoluminescent properties of Gd2O3 nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 532-540.	3.9	86
15	Photoluminescence, photocatalysis and Juddâ€“Ofelt analysis of Eu³⁺-activated layered BiOCl phosphors. RSC Advances, 2015, 5, 4109-4120.	3.6	85
16	Particle size, morphology and color tunable ZnO:Eu3+ nanophosphors via plant latex mediated green combustion synthesis. Journal of Alloys and Compounds, 2014, 584, 417-424.	5.5	84
17	Enhanced photoluminescence of Gd2O3:Eu3+ nanophosphors with alkali (M=Li+, Na+, K+) metal ion co-doping. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 8-14.	3.9	83
18	Facile green fabrication of iron-doped cubic ZrO2 nanoparticles by Phyllanthus acidus: Structural, photocatalytic and photoluminescent properties. Journal of Molecular Catalysis A, 2015, 397, 36-47.	4.8	81

#	Article	IF	Citations
19	Synthesis of Eu³⁺-activated BiOF and BiOBr phosphors: photoluminescence, Juddâ€“Ofelt analysis and photocatalytic properties. RSC Advances, 2015, 5, 9241-9254.	3.6	79
20	A hybrid electrochemicalâ€“thermal method for the preparation of large ZnO nanoparticles. Journal of Nanoparticle Research, 2010, 12, 2667-2678.	1.9	78
21	Effect of zinc substitution on the nanocobalt ferrite powders for nanoelectronic devices. Journal of Alloys and Compounds, 2014, 587, 50-58.	5.5	77
22	Order and disorder among the layered double hydroxides: combined Rietveld and DIFFaX approach. Acta Crystallographica Section B: Structural Science, 2007, 63, 243-250.	1.8	75
23	The production of smectite clay/graphene composites through delamination and co-stacking. Carbon, 2008, 46, 1773-1781.	10.3	74
24	Synthesis, characterization and photoluminescence properties of CaSiO3:Eu3+ red phosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 64-69.	3.9	72
25	Colossal magnetoresistance in epitaxial La(1â^'xâ^'y)NayMnO3 thin film. Applied Physics Letters, 1997, 70, 2909-2911.	3.3	71
26	Eu3+-activated SrMoO4 phosphors for white LEDs applications: Synthesis and structural characterization. Optical Materials, 2015, 42, 178-186.	3.6	71
27	Photoluminescence properties of Eu3+-activated CaMoO4 phosphors for WLEDs applications and its Juddâ€“Ofelt analysis. Journal of Materials Science, 2015, 50, 287-298.	3.7	70
28	Understanding the photoluminescence behaviour in nano CaZrO 3 :Eu 3+ pigments by Judd-Ofelt intensity parameters. Dyes and Pigments, 2018, 150, 306-314.	3.7	67
29	Layered Double Hydroxideâ^'CdSe Quantum Dot Composites through Colloidal Processing:Â Effect of Host Matrixâ^'Nanoparticle Interaction on Optical Behavior. Journal of Physical Chemistry B, 2006, 110, 772-776.	2.6	66
30	Scheelite-type MWO4 (M=Ca, Sr, and Ba) nanophosphors: Facile synthesis, structural characterization, photoluminescence, and photocatalytic properties. Materials Research Bulletin, 2015, 61, 422-432.	5.2	66
31	Effect of various factors influencing the delamination behavior of surfactant intercalated layered double hydroxides. Journal of Colloid and Interface Science, 2006, 294, 234-239.	9.4	65
32	Correlation of Structural Disorder with the Reversible Discharge Capacity of Nickel Hydroxide Electrode. Journal of the Electrochemical Society, 2005, 152, A806.	2.9	64
33	Single step preparation of CeO2/CeAlO3/Î³-Al2O3 by solution combustion method: Phase evolution, thermal stability and surface modification. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 139, 55-61.	3.5	63
34	Nanocomposites of Î±-hydroxides of nickel and cobalt by delamination and co-stacking: Enhanced stability of Î±-motifs in alkaline medium and electrochemical behaviour. Journal of Power Sources, 2007, 172, 970-974.	7.8	63
35	Synthesis and structural characterization of orange red light emitting Sm3+ activated BiOCl phosphor for WLEDs applications. Journal of Alloys and Compounds, 2019, 785, 169-177.	5.5	63
36	Synthesis of Eu3+-activated BaMoO4 phosphors and their Juddâ€“Ofelt analysis: Applications in lasers and white LEDs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 141-148.	3.9	60

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37	Low temperature synthesis and characterization of rare earth orthoferrites LnFeO3 (Ln=La, Pr and) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	59
38	Synthesis and luminescence properties of Sm3+ doped CaTiO3 nanophosphor for application in white LED under NUV excitation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 891-901.	3.9	59
39	Synthesis and characterization of spherical and rod like nanocrystalline Nd2O3 phosphors. Journal of Alloys and Compounds, 2011, 509, 1146-1151.	5.5	58
40	EPR, thermo and photoluminescence properties of ZnO nanopowders. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 59-63.	3.9	58
41	High Rate Capability of a Dual-Porosity LiFePO₄/C Composite. ACS Applied Materials & Interfaces, 2010, 2, 2031-2038.	8.0	57
42	Auto-ignition based synthesis of Y2O3 for photo- and thermo-luminescent applications. Journal of Alloys and Compounds, 2014, 585, 129-137.	5.5	56
43	Eco-friendly green synthesis, structural and photoluminescent studies of CeO2:Eu3+ nanophosphors using E. tirucalli plant latex. Journal of Alloys and Compounds, 2014, 612, 425-434.	5.5	56
44	Synthesis of vaterite CaCO3 by direct precipitation using glycine and l-alanine as directing agents. Materials Research Bulletin, 2006, 41, 1455-1460.	5.2	55
45	Structural, EPR, photo and thermoluminescence properties of ZnO:Fe nanoparticles. Materials Chemistry and Physics, 2012, 133, 876-883.	4.0	55
46	Synthesis and characterization of layered double hydroxides (LDHs) with intercalated chromate ions. Materials Research Bulletin, 2007, 42, 1028-1039.	5.2	54
47	CdSiO3:Pr3+ nanophosphor: Synthesis, characterization and thermoluminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 99, 279-287.	3.9	54
48	Plant latex mediated green synthesis of ZnAl2O4:Dy3+ (1â€“9mol%) nanophosphor for white light generation. Journal of Alloys and Compounds, 2014, 585, 561-571.	5.5	53
49	Low temperature synthesis of pure cubic ZrO2 nanopowder: Structural and luminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 216-222.	3.9	52
50	Comparison of structural and luminescence properties of Dy2O3 nanopowders synthesized by co-precipitation and green combustion routes. Materials Research Bulletin, 2014, 55, 237-245.	5.2	52
51	Alkali metal ion co-doped Eu3+ activated GdPO4 phosphors: Structure and photoluminescence properties. Journal of Alloys and Compounds, 2018, 740, 1086-1098.	5.5	52
52	Charge compensation assisted enhancement of photoluminescence in combustion derived Li⁺ co-doped cubic ZrO₂:Eu³⁺ nanophosphors. Physical Chemistry Chemical Physics, 2016, 18, 29447-29457.	2.8	50
53	Hydrothermal synthesis of Gd2O3:Eu3+ nanophosphors: Effect of surfactant on structural and luminescence properties. Journal of Alloys and Compounds, 2014, 587, 755-762.	5.5	49
54	Structure and Catalytic Activity of Cr-Doped BaTiO₃ Nanocatalysts Synthesized by Conventional Oxalate and Microwave Assisted Hydrothermal Methods. Inorganic Chemistry, 2016, 55, 4795-4805.	4.0	49

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55	Spherical and rod-like Gd 2 O 3 :Eu 3â€‰+â€‰ nanophosphorsâ€”Structural and luminescent properties. Bulletin of Materials Science, 2012, 35, 519-527.	1.7	48
56	Role of Cu2+ ions substitution in magnetic and conductivity behavior of nano-CoFe2O4. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 256-262.	3.9	47
57	Thermoluminescence response in gamma and UV irradiated Dy2O3 nanophosphor. Journal of Luminescence, 2012, 132, 1798-1806.	3.1	46
58	Low temperature synthesis, structural characterization, and zero-field resistivity of nanocrystalline La1âˆ’xSrxMnO3+Î´ (0.0â‰¤xâ‰¤0.3) manganites. Materials Research Bulletin, 2006, 41, 1735-1746.	5.2	45
59	Electron paramagnetic resonance, magnetic and electrical properties of CoFe2O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 339, 40-45.	2.3	45
60	Synthesis, characterization, EPR, photo and thermoluminescence properties of YAlO3:Ni2+ nanophosphors. Journal of Luminescence, 2013, 135, 105-112.	3.1	44
61	Hydrothermal synthesis, characterization and Raman studies of Eu3+ activated Gd2O3 nanorods. Physica B: Condensed Matter, 2011, 406, 1639-1644.	2.7	43
62	Structural, EPR, optical and magnetic properties of Î±-Fe2O3 nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 512-518.	3.9	43
63	Synthesis, Structure, and Properties of Sodium or Potassium-Doped Lanthanum Orthomanganites from NaCl or KCl Flux. Journal of Solid State Chemistry, 1998, 137, 19-27.	2.9	42
64	DIFFaX simulations of stacking faults in layered double hydroxides (LDHs). Clays and Clay Minerals, 2005, 53, 520-527.	1.3	42
65	Combustion synthesis, characterization and metalâ€“insulator transition studies of nanocrystalline La1âˆ’xCaxMnO3 (0.0â‰¤xâ‰¤0.5). Materials Chemistry and Physics, 2007, 102, 47-52.	4.0	42
66	Synthesis of Eu3+-activated ZnO superstructures: Photoluminescence, Juddâ€“Ofelt analysis and Sunlight photocatalytic properties. Journal of Molecular Catalysis A, 2015, 409, 26-41.	4.8	42
67	EPR and photoluminescence studies of ZnO:Mn nanophosphors prepared by solution combustion route. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 476-480.	3.9	40
68	Effective Degradation of Aqueous Nitrobenzene Using the SrFeO_{3âˆ’Î´} Photocatalyst under UV Illumination and Its Kinetics and Mechanistic Studies. Industrial & Engineering Chemistry Research, 2015, 54, 7800-7810.	3.7	40
69	Synthesis of nanoparticles by precipitation method using sodium hexa metaphosphate as a stabilizer. Solid State Communications, 2010, 150, 386-388.	1.9	39
70	Mixture of Fuels Approach for the Synthesis of SrFeO_{3âˆ’Î´} Nanocatalyst and Its Impact on the Catalytic Reduction of Nitrobenzene. Inorganic Chemistry, 2014, 53, 12178-12185.	4.0	38
71	A composite of layered double hydroxides obtained through random costacking of layers from Mgâ€“Al and Coâ€“Al LDHs by delaminationâ€“restacking: Thermal decomposition and reconstruction behavior. Solid State Sciences, 2007, 9, 287-294.	3.2	37
72	Red-emitting LaOF:Eu 3+ phosphors: Synthesis, structure and their Juddâ€“Ofelt analysis for LED applications. Materials Research Bulletin, 2016, 75, 100-109.	5.2	37

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73	Magnetic and dielectric interactions in nano zinc ferrite powder: Prepared by self-sustainable propellant chemistry technique. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 132-141.	2.3	36
74	Facile synthesis of PbWO4: Applications in photoluminescence and photocatalytic degradation of organic dyes under visible light. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 348-355.	3.9	36
75	GdAlO3:Eu3+:Bi3+ nanophosphor: Synthesis and enhancement of red emission for WLEDs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 550-558.	3.9	34
76	Structural and phase dependent thermo and photoluminescent properties of Dy(OH)3 and Dy2O3 nanorods. Materials Research Bulletin, 2012, 47, 2085-2094.	5.2	33
77	Classification of stacking faults and their stepwise elimination during the disorder â†' order transformation of nickel hydroxide. Acta Crystallographica Section B: Structural Science, 2006, 62, 530-536.	1.8	32
78	Synthesis of non-stoichiometric Bi2O4â^'x by oxidative precipitation. Materials Research Bulletin, 2007, 42, 707-712.	5.2	32
79	Synthesis, characterization, redox and photocatalytic properties of Ce1â^'xPdxVO4 (0â‰¤xâ‰¤0.1). Applied Catalysis B: Environmental, 2008, 84, 474-481.	20.2	32
80	Synthesis, characterization, EPR and thermoluminescence properties of CaTiO3 nanophosphor. Materials Research Bulletin, 2013, 48, 1490-1498.	5.2	32
81	Combustion synthesis approach for spectral tuning of Eu doped CaAl2O4 phosphors. Journal of Alloys and Compounds, 2014, 589, 596-603.	5.5	32
82	Pt-Doped and Pt-Supported La_{1â€“x}Sr_xCoO₃: Comparative Activity of Pt⁴⁺ and Pt⁰ Toward the CO Poisoning Effect in Formic Acid and Methanol Electro-oxidation. Journal of Physical Chemistry C, 2015, 119, 14126-14134.	3.1	32
83	Comparative study of Eu3+-activated LnOCl (Ln=La and Gd) phosphors and their Judd-Ofelt analysis. Journal of Rare Earths, 2015, 33, 946-953.	4.8	31
84	Surfactant intercalated Î±-hydroxides of cobalt and nickel and their delamination-restacking behavior in organic media. Journal of Colloid and Interface Science, 2005, 288, 629-633.	9.4	30
85	Synthesis, structural and ferromagnetic properties of La1â^'x K x MnO3 (0Â·0 â‰¤ x â‰¤ 0Â·25) phases by solution combustion method. Bulletin of Materials Science, 2009, 32, 443-449.	1.7	30
86	Structural characterization, thermoluminescence and EPR studies of Nd2O3:Co2+ nanophosphors. Materials Research Bulletin, 2013, 48, 180-187.	5.2	30
87	Synthesis, characterization and photoluminescence properties of Gd2O3:Eu3+ nanophosphors prepared by solution combustion method. Physica B: Condensed Matter, 2010, 405, 3795-3799.	2.7	29
88	Thermo and photoluminescence properties of Eu3+ activated hexagonal, monoclinic and cubic gadolinium oxide nanorods. Physica B: Condensed Matter, 2011, 406, 1645-1652.	2.7	29
89	Gd1.96â^'xYxEu0.04O3 (x=0.0, 0.49, 0.98, 1.47, 1.96mol%) nanophosphors: Propellant combustion synthesis, structural and luminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 730-739.	3.9	29
90	Dielectric and electrical studies of Pr3+ doped nano CaSiO3 perovskite ceramics. Materials Research Bulletin, 2014, 50, 197-202.	5.2	29

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91	Luminescence enhancement in monoclinic CaAl2O4:Eu2+, Cr3+ nanophosphor by fuel-blend combustion synthesis. Chemical Engineering Journal, 2015, 267, 317-323.	12.7	29
92	Effect of Li, Na, K cations on photoluminescence of GdAlO3:Eu3+ nanophosphor and study of Li cation on its antimicrobial activity. Journal of Alloys and Compounds, 2018, 732, 725-739.	5.5	29
93	Rapid synthesis of room temperature ferromagnetic Ag-doped LaMnO3 perovskite phases by the solution combustion method. Materials Research Bulletin, 2010, 45, 1685-1691.	5.2	28
94	Anamolously High Lithium Storage in Mesoporous Nanoparticulate Aggregation of Fe3+ Doped Anatase Titania. Journal of the Electrochemical Society, 2011, 158, A1290.	2.9	28
95	Self propagating combustion synthesis and luminescent properties of nanocrystalline CeO2:Tb3+ (1â€“10mol%) phosphors. Journal of Alloys and Compounds, 2014, 590, 131-139.	5.5	28
96	Interlayer structure of iodide intercalated layered double hydroxides (LDHs). Journal of Colloid and Interface Science, 2010, 344, 508-512.	9.4	27
97	Thermoluminescence and EPR studies of nanocrystalline Nd2O3:Ni2+ phosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 93, 228-234.	3.9	27
98	Synthesis and characterization of Sm3+ activated La1â^'xGdxPO4 phosphors for white LEDs applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 19951-19964.	2.2	27
99	Structural, iono and thermoluminescence properties of heavy ion (100MeV Si7+) bombarded Zn2SiO4:Sm3+ nanophosphor. Journal of Luminescence, 2013, 143, 409-417.	3.1	26
100	Synthesis, characterization and photoluminescence properties of CaSiO₃: Dy³⁺nanophosphors. Philosophical Magazine, 2010, 90, 3567-3579.	1.6	25
101	Structural, EPR, optical and Raman studies of Nd2O3:Cu2+ nanophosphors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 365-371.	3.9	25
102	A novel amperometric catechol biosensor based on Î±-Fe₂O₃ nanocrystals-modified carbon paste electrode. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 625-634.	2.8	24
103	A potential white light emitting cubic ZrO2:Dy3+,ÂLi+ nano phosphors for solid state lighting applications. Journal of Luminescence, 2017, 192, 496-503.	3.1	24
104	Determination of hole concentration in superconducting thallium cuprates. Journal of Solid State Chemistry, 1991, 93, 272-275.	2.9	23
105	Delamination of surfactant intercalated smectites in alcohols: Effect of chain length of the solvent. Applied Clay Science, 2006, 32, 141-146.	5.2	23
106	Suppression of Spinel Formation to Induce Reversible Thermal Behavior in the Layered Double Hydroxides (LDHs) of Co with Al, Fe, Ga, and In. Journal of Physical Chemistry B, 2007, 111, 3384-3390.	2.6	23
107	Thermoluminescence, photoluminescence and EPR studies on Mn2+ activated yttrium aluminate (YAlO3) perovskite. Journal of Luminescence, 2012, 132, 2409-2415.	3.1	23
108	Effect of TiN particulate reinforcement on corrosive behaviour of aluminium 6061 composites in chloride medium. Bulletin of Materials Science, 2013, 36, 1057-1066.	1.7	23

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109	Luminescence studies and EPR investigation of solution combustion derived Eu doped ZnO. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 305-312.	3.9	23
110	Synthesis, structural and transport properties of nanocrystalline La1â^'xBaxMnO3 (0.0â‰¤xâ‰¤0.3) powders. Solid State Communications, 2005, 136, 427-432.	1.9	21
111	Structural Studies of Multifunctional SrTiO₃ Nanocatalyst Synthesized by Microwave and Oxalate Methods: Its Catalytic Application for Condensation, Hydrogenation, and Amination Reactions. ACS Omega, 2018, 3, 10503-10512.	3.5	21
112	Effect of Ca²⁺ ion co-doping on radiative properties via tuning the local symmetry around the Eu³⁺ ions in orange red light emitting GdPO₄:Eu³⁺ phosphors. New Journal of Chemistry, 2019, 43, 63-71.	2.8	20
113	Synthesis, luminescence and EPR studies on CaSiO3: Pb, Mn-nano phosphors synthesized by the solution combustion method. Ceramics International, 2013, 39, 1917-1922.	4.8	19
114	Shape tailored green synthesis of CeO 2 :Ho 3+ nanopowders, its structural, photoluminescence and gamma radiation sensing properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 63-75.	3.9	19
115	Synthesis, characterization and photoluminescence properties of Bi3+ co-doped CaSiO3:Eu3+ nanophosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 124-129.	3.9	19
116	Electrochemical insights into layered La2CuO4 perovskite: Active ionic copper for selective CO2 electroreduction at low overpotential. Electrochimica Acta, 2019, 326, 134952.	5.2	19
117	Low temperature synthesis, structure and properties of alkali-doped La2NiO4, LaNiO3 and LaNi0.85Cu0.15O3 from alkali hydroxide fluxes. Solid State Sciences, 2003, 5, 351-357.	3.2	18
118	Characterization and microhardness of Coâ^'W coatings electrodeposited at different pH using gluconate bath: A comparative study. Surface and Interface Analysis, 2013, 45, 1026-1036.	1.8	18
119	Blue emitting Ce3+-doped CaYAl3O7 phosphors prepared by combustion route. Optik, 2019, 181, 1113-1121.	2.9	18
120	Magnetic structure of sodium and potassium doped lanthanum manganites. Materials Research Bulletin, 2000, 35, 651-659.	5.2	17
121	Synthesis, structure and magnetic properties of Ln1 â€“ xAxMnO3 (Ln = Pr, Nd; A = Na, K) from NaCl or KCl flux. Journal of Materials Chemistry, 2001, 11, 2572-2579.	6.7	17
122	Synthesis, structure and oxygen-storage capacity of Pr1â^'xZrxO2â^'Î´ and Pr1â^'xâ^'yPdyZrxO2â^'Î´. Materials Research Bulletin, 2008, 43, 2658-2667.	5.2	17
123	Structural and magnetic properties of SmCo5/Co exchange coupled nanocomposite thin films. Journal of Magnetism and Magnetic Materials, 2013, 342, 74-79.	2.3	17
124	Photoluminescence and photocatalytic properties of Eu3+-doped ZnO nanoparticles synthesized by the nitrate-citrate gel combustion method. European Physical Journal Plus, 2017, 132, 1.	2.6	17
125	Synthesis, structure and thermoelectric properties of $$mathrm{La}_{1-x}mathrm{Na}_{x}mathrm{CoO}_{3 }$$ La 1 - x Na x CoO 3 perovskite oxides. Bulletin of Materials Science, 2017, 40, 1291-1299.	1.7	17
126	Effect of doping (with cobalt or nickel) and UV exposure on the antibacterial, anticancer, and ROS generation activities of zinc oxide nanoparticles. Journal of Asian Ceramic Societies, 2020, 8, 1175-1187.	2.3	17

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127	Na substitution for La- and Mn-sites in LaMnO3 from alkali halide fluxes: low temperature synthesis, structure and properties. Materials Research Bulletin, 2004, 39, 71-81.	5.2	16
128	Magnetoresistive studies on nanocrystalline La0.8Sr0.2MnO3+Î´ manganite. Physica B: Condensed Matter, 2008, 403, 3360-3364.	2.7	16
129	Effect of fuel on the formation structure, transport and magnetic properties of LaMnO₃₊_{Î´}nanopowders. Philosophical Magazine, 2010, 90, 2009-2025.	1.6	15
130	Synthesis, characterization, thermo- and photoluminescence properties of Bi3+ co-doped Gd2O3:Eu3+ nanophosphors. Applied Physics B: Lasers and Optics, 2012, 107, 503-511.	2.2	15
131	Temperature dependent magnetic ordering and electrical transport behavior of nano zinc ferrite from 20 to 800K. Journal of Alloys and Compounds, 2014, 590, 184-192.	5.5	15
132	Enhanced catechol biosensing on metal oxide nanocrystal sensitized graphite nanoelectrodes through preferential molecular adsorption. Journal of Electroanalytical Chemistry, 2020, 867, 114190.	3.8	15
133	Low temperature synthesis, structure and properties of La4BaCu5â^'xMxO13+Î´ (M=Ni, Co and Fe). Journal of Materials Chemistry, 1998, 8, 2695-2700.	6.7	14
134	pH mediated delamination of anionic clay-like nickelâ€“zinc hydroxysalt in water through intercalation of zwitterionic p-aminobenzoate ions. Solid State Sciences, 2006, 8, 162-167.	3.2	14
135	Suppression of the Reversible Thermal Behavior of the Layered Double Hydroxide (LDH) of Mg with Al:â€‰ Stabilization of Nanoparticulate Oxides. Langmuir, 2007, 23, 7700-7706.	3.5	14
136	The incongruous observation of magnetic phase separation in La0.85Sr0.15CoO3 spin glass system. Journal of Applied Physics, 2009, 106, .	2.5	14
137	One pot auto-ignition based synthesis of novel Sr2CeO4: Ho3+ nanophosphor for photoluminescent applications. Journal of Alloys and Compounds, 2015, 648, 1051-1059.	5.5	14
138	Photoluminescence, thermoluminescence and EPR studies of solvothermally derived Ni2+ doped Y(OH)3 and Y2O3 multi-particle-chain microrods. Journal of Luminescence, 2014, 155, 125-134.	3.1	13
139	Effect of Î³-Irradiation on the Dielectric and Conductivity Properties of Nano-Wollastonite. ISRN Materials Science, 2011, 2011, 1-6.	1.0	13
140	Influence of nature of support on the catalytic activity of supported molybdenum-oxo species in benzyl alcohol conversion. Journal of Molecular Catalysis A, 2006, 255, 243-248.	4.8	12
141	CHARACTERIZATION AND MICROHARDNESS OF ELECTRODEPOSITED Niâ€“W COATINGS OBTAINED FROM GLUCONATE BATH. Surface Review and Letters, 2015, 22, 1550011.	1.1	12
142	Chonemorpha grandifloraextract mediated synthesis of Ag-ZnO nanoparticles for its anticancer, electrical and dielectric applications. Materials Research Express, 2019, 6, 095068.	1.6	12
143	Colossal Magnetoresistance in Potassium Doped Lanthanum Manganite: A Comparative Study of Polycrystalline Solid and Thin Film. Journal of Solid State Chemistry, 1999, 148, 342-346.	2.9	11
144	Low temperature synthesis of layered NaxCoO2 and KxCoO2 from NaOH/KOH fluxes and their ion exchange properties. Journal of Chemical Sciences, 2003, 115, 447-457.	1.5	11

#	Article	IF	Citations
145	Magnetoresistance studies on barium doped nanocrystalline manganite. Journal of Alloys and Compounds, 2008, 450, 364-368.	5.5	11
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