Hp Nagaswarupa

List of Publications by Year
in descending order

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88	3,077	101543	168389
papers	citations	36 h-index	53 g-index

88	88	88	2181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Low temperature synthesis and photoluminescence properties of red emitting Mg2SiO4:Eu3+ nanophosphor for near UV light emitting diodes. Sensors and Actuators B: Chemical, 2014, 195, 140-149.	7.8	106
3	Nano CuO: Electrochemical sensor for the determination of paracetamol and d-glucose. Journal of Physics and Chemistry of Solids, 2019, 134, 193-200.	4.0	104
4	Hollow microspheres Mg-doped ZrO2 nanoparticles: Green assisted synthesis and applications in photocatalysis and photoluminescence. Journal of Alloys and Compounds, 2016, 672, 609-622.	5.5	101
5	Facile green synthesis of silver oxide nanoparticles and their electrochemical, photocatalytic and biological studies. Inorganic Chemistry Communication, 2020, 111, 107580.	3.9	101
6	Synthesis, structural and luminescence studies of magnesium oxide nanopowder. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 847-851.	3.9	94
7	A simple combustion method for the synthesis of multi-functional ZrO 2 /CuO nanocomposites: Excellent performance as Sunlight photocatalysts and enhanced latent fingerprint detection. Applied Catalysis B: Environmental, 2017, 210, 97-115.	20.2	89
8	Phase transformation of ZrO2:Tb3+ nanophosphor: Color tunable photoluminescence and photocatalytic activities. Journal of Alloys and Compounds, 2015, 622, 86-96.	5.5	87
9	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
10	White light emitting magnesium aluminate nanophosphor: Near ultra violet excited photoluminescence, photometric characteristics and its UV photocatalytic activity. Journal of Alloys and Compounds, 2017, 728, 1124-1138.	5.5	77
11	Mg 2 SiO 4 :Tb 3+ nanophosphor: Auto ignition route and near UV excited photoluminescence properties for WLEDs. Journal of Alloys and Compounds, 2014, 617, 69-75.	5.5	74
12	Influence of zinc additive and pH on the electrochemical activities of Î²-nickel hydroxide materials and its applications in secondary batteries. Journal of Energy Storage, 2017, 9, 12-24.	8.1	72
13	A benign approach for tailoring the photometric properties and Judd-Ofelt analysis of LaAlO3:Sm3+ nanophosphors for thermal sensor and WLED applications. Sensors and Actuators B: Chemical, 2017, 243, 1057-1066.	7.8	72
14	CuO embedded Î²-Ni(OH)2 nanocomposite as advanced electrode materials for supercapacitors. Journal of Alloys and Compounds, 2018, 736, 332-339.	5.5	70
15	Sonochemical synthesis of NiFe2O4 nanoparticles: Characterization and their photocatalytic and electrochemical applications. Applied Surface Science Advances, 2020, 1, 100023.	6.8	69
16	MgO:Eu3+ red nanophosphor: Low temperature synthesis and photoluminescence properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 46-52.	3.9	63
17	Jatropha extract mediated synthesis of ZnFe2O4 nanopowder: Excellent performance as an electrochemical sensor, UV photocatalyst and an antibacterial activity. Chemical Physics Letters, 2020, 739, 136980.	2.6	63
18	Photoluminescence and Juddâ€“Ofelt analysis of Eu 3+ doped LaAlO 3 nanophosphors for WLEDs. Dyes and Pigments, 2015, 122, 22-30.	3.7	61

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19	Evaluation of bi-functional applications of ZnO nanoparticles prepared by green and chemical methods. Journal of Environmental Chemical Engineering, 2019, 7, 103468.	6.7	61
20	Sonochemical synthesis of MnFe2O4 nanoparticles and their electrochemical and photocatalytic properties. Journal of Physics and Chemistry of Solids, 2021, 148, 109661.	4.0	60
21	A comparative study on the structural, optical, electrochemical and photocatalytic properties of ZrO2 nanooxide synthesized by different routes. Journal of Alloys and Compounds, 2017, 695, 382-395.	5.5	59
22	MgO:Dy3+ nanophosphor: Self ignition route, characterization and its photoluminescence properties. Materials Characterization, 2014, 97, 27-36.	4.4	58
23	Tunable white light emissive Mg2SiO4:Dy3+ nanophosphor: Its photoluminescence, Juddâ€“Ofelt and photocatalytic studies. Dyes and Pigments, 2016, 127, 25-36.	3.7	56
24	Bio-mediated route for the synthesis of shape tunable Y2O3: Tb3+ nanoparticles: Photoluminescence and antibacterial properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 131-140.	3.9	53
25	Bio-mediated Sm doped nano cubic zirconia: Photoluminescent, Juddâ€“Ofelt analysis, electrochemical impedance spectroscopy and photocatalytic performance. Journal of Alloys and Compounds, 2016, 685, 761-773.	5.5	53
26	Bio-inspired route for the synthesis of spherical shaped MgO:Fe3+ nanoparticles: Structural, photoluminescence and photocatalytic investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 703-713.	3.9	52
27	Green engineered nano MgO and ZnO doped with Sm3+: Synthesis and a comparison study on their characterization, PC activity and electrochemical properties. Journal of Physics and Chemistry of Solids, 2019, 127, 127-139.	4.0	50
28	Green synthesis of Y2O3:Dy3+ nanophosphor with enhanced photocatalytic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 687-697.	3.9	47
29	Zn2TiO4:Eu3+ nanophosphor: Self explosive route and its near UV excited photoluminescence properties for WLEDs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 857-865.	3.9	47
30	Structural, photo and thermoluminescence studies of Eu3+ doped orthorhombic YAlO3 nanophosphors. Journal of Alloys and Compounds, 2014, 601, 75-84.	5.5	45
31	Probe sonication synthesis of ZnFe2O4 NPs for the photocatalytic degradation of dyes and effect of treated wastewater on growth of plants. Chemical Physics Letters, 2020, 745, 137286.	2.6	45
32	Evaluation of bifunctional applications of CuFe2O4 nanoparticles synthesized by a sonochemical method. Journal of Physics and Chemistry of Solids, 2021, 148, 109756.	4.0	44
33	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
34	Caralluma fimbriata extract induced green synthesis, structural, optical and photocatalytic properties of ZnO nanostructure modified with Gd. Journal of Alloys and Compounds, 2016, 685, 656-669.	5.5	41
35	A single phase, red emissive Mg2SiO4:Sm3+ nanophosphor prepared via rapid propellant combustion route. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 516-523.	3.9	40
36	Facile combustion synthesized orthorhombic GdAlO3:Eu3+ nanophosphors: Structural and photoluminescence properties for WLEDs. Journal of Luminescence, 2015, 163, 47-54.	3.1	39

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37	Luminescence properties of MgO: Fe3+ nanopowders for WLEDs under NUV excitation prepared via propellant combustion route. Journal of Radiation Research and Applied Sciences, 2015, 8, 362-373.	1.2	37
38	Photocatalytic and electrochemical sensor for direct detection of paracetamol comprising Î³-aluminium oxide nanoparticles synthesized via sonochemical route. Sensors International, 2020, 1, 100039.	8.4	36
39	Effect of fuel on auto ignition route, photoluminescence and photometric studies of tunable red emitting Mg2SiO4:Cr3+ nanophosphors for solid state lighting applications. Journal of Alloys and Compounds, 2016, 682, 815-824.	5.5	35
40	Design, synthesis and structureâ€“activity relationship (SAR) studies of imidazo[4,5-b]pyridine derived purine isosteres and their potential as cytotoxic agents. European Journal of Medicinal Chemistry, 2015, 89, 21-31.	5.5	33
41	Designing MgFe2O4 decorated on green mediated reduced graphene oxide sheets showing photocatalytic performance and luminescence property. Physica B: Condensed Matter, 2017, 507, 67-75.	2.7	30
42	Electrochemical sensor studies and optical analysis of developed clay based CoFe2O4 ferrite NPs. Sensors International, 2021, 2, 100083.	8.4	28
43	Electrochemical Studies of Nano Metal Oxide Reinforced Nickel Hydroxide Materials for Energy Storage Applications. Materials Today: Proceedings, 2017, 4, 12205-12214.	1.8	26
44	White light emitting lanthanum aluminate nanophosphor: Near ultra violet excited photoluminescence and photometric characteristics. Journal of Luminescence, 2017, 190, 279-288.	3.1	24
45	Sunlight photocatalytic performance of Mg-doped nickel ferrite synthesized by a green sol-gel route. Journal of Science: Advanced Materials and Devices, 2019, 4, 89-100.	3.1	24
46	NiO bio-composite materials: Photocatalytic, electrochemical and supercapacitor applications. Applied Surface Science Advances, 2021, 3, 100049.	6.8	24
47	Development of clay ferrite nanocomposite: Electrochemical, sensors and photocatalytic studies. Applied Surface Science Advances, 2021, 5, 100103.	6.8	24
48	Photocatalytic Studies of MgO Nano Powder; Synthesized by Green Mediated Route. Materials Today: Proceedings, 2018, 5, 22221-22228.	1.8	23
49	Multi-functional Zn 2 TiO 4 :Sm 3+ nanopowders: Excellent performance as an electrochemical sensor and an UV photocatalyst. Journal of Science: Advanced Materials and Devices, 2018, 3, 151-160.	3.1	20
50	Harnessing ZnO nanoparticles for antimicrobial and photocatalytic activities. Journal of Photochemistry and Photobiology, 2021, 6, 100021.	2.5	20
51	Regioselective synthesis of C-2 substituted imidazo[4,5-b]pyridines utilizing palladium catalysed Câ€“N bond forming reactions with enolizable heterocycles. Tetrahedron Letters, 2014, 55, 1778-1783.	1.4	19
52	Development of Co-doped MnFe2O4 nanoparticles for electrochemical supercapacitors. Ceramics International, 2021, 47, 10268-10273.	4.8	19
53	Enhanced photocatalytic and electrochemical properties of Cu doped NiMnFe2O4 nanoparticles synthesized via probe sonication method. Applied Surface Science Advances, 2020, 2, 100038.	6.8	19
54	Synthesis, Diffuse reflectance, Electrical and Photoluminesence properties of nanocrystalline Eu3+doped GdAlO3 via Combustion method. Materials Today: Proceedings, 2017, 4, 11706-11712.	1.8	18

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55	Photocatalytic study for fabricated Ag doped and undoped MgFe 2 O 4 nanoparticles. Materials Today: Proceedings, 2017, 4, 11764-11772.	1.8	15
56	MgNb2O6:Dy3+ nanophosphor: A facile preparation, down conversion photoluminescence and UV driven photocatalytic properties. Ceramics International, 2021, 47, 10370-10380.	4.8	15
57	Photocatalytic and Photoluminescence studies of ZrO 2 /ZnO nanocomposite for LED and Waste water treatment applications. Materials Today: Proceedings, 2017, 4, 11747-11755.	1.8	14
58	Comparison Study of Solgel and Combustion Method for Synthesis Nano Spinel MgFe2O4 and its Influence on Electrochemical Activity. Materials Today: Proceedings, 2018, 5, 22362-22367.	1.8	13
59	Spectroscopic and photoluminescence properties of MgO:Cr 3+ nanosheets for WLEDs. Displays, 2016, 41, 16-24.	3.7	12
60	Synthesis of Sunlight Driven ZnO/CuO Nanocomposite: Characterization, Optical, Electrochemical and Photocatalytic Studies. Materials Today: Proceedings, 2017, 4, 11782-11790.	1.8	12
61	Microwave assisted physico-chemical modification of Bentonite clay: characterization and photocatalytic activity. Materials Today: Proceedings, 2017, 4, 11727-11736.	1.8	11
62	Synthesis and Photoluminescence Studies of an Orange Red Color Emitting novel CaA l2 O 4 : Sm 3+ nanophosphor for LED Applications. Materials Today: Proceedings, 2017, 4, 11820-11826.	1.8	10
63	Green Mediated Synthesis of MgO Nano-Flakes and Its Electro-Chemical Applications. Materials Today: Proceedings, 2018, 5, 22275-22282.	1.8	10
64	Molten Salt Synthesis of Nanocrystalline ZnFe 2 O 4 and Its Photocatalytic Dye Degradation Studies. Materials Today: Proceedings, 2017, 4, 11816-11819.	1.8	9
65	Photocatalytic and Photoluminescence studies of ZnO nanomaterials by Banana peel powder. Materials Today: Proceedings, 2017, 4, 11827-11836.	1.8	9
66	Electrochemical and Photocatalytic Properties of Green Nickel Oxide Nanomaterial Synthesized using Plectranthus Amboinicus Plant Leaf Extract. Advanced Materials Letters, 2020, 11, 1-6.	0.6	9
67	Novel MgTiO 3 :Eu 3+ Nanophosphor Its Photometric Analysis for Multifunctional Applications. Materials Today: Proceedings, 2017, 4, 12306-12313.	1.8	7
68	Facile chemical synthesis of Ca3MgAl10O17 nanomaterials for photocatalytic and non-enzymatic sensor applications. Sensors International, 2021, 2, 100082.	8.4	7
69	Synthesis of BMA NPs using aloe vera gel for their electrochemical, biological and photocatalytic studies. Journal of Photochemistry and Photobiology, 2021, 6, 100017.	2.5	7
70	Lanthanum Doped Strontium Titanate Nanomaterial for Photocatalytic and Supercapacitor Applications. Asian Journal of Chemistry, 2020, 32, 2013-2020.	0.3	6
71	Synthesis and Characterization of Low Cost MgO Nanoparticle for the Assessment of the corrosion performance on Aluminium 6065. Materials Today: Proceedings, 2017, 4, 12118-12124.	1.8	5
72	Deposition & Electrochemical characterization of Multilayer coated electrode material for super capacitor application. Materials Today: Proceedings, 2018, 5, 21452-21457.	1.8	5

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73	Synthesis and characterization of nano ZnO and MgO powder by low temperature solution combustion method: studies concerning electrochemical and photocatalytic behavior. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 662-666.	0.4	5
74	ZnO decorated graphene nanosheets: an advanced material for the electrochemical performance and photocatalytic degradation of organic dyes. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 678-682.	0.4	5
75	Microstructure and Electrochemical Distinctiveness of b-Nickel Hydroxide by means of Zinc Additive and pH. Asian Journal of Chemistry, 2016, 28, 575-580.	0.3	4
76	Influence of Zinc Additive and pH on Electrochemical Behaviour of b-Nickel Hydroxide in Nickel Based Secondary Batteries. Asian Journal of Chemistry, 2016, 28, 221-229.	0.3	4
77	Photoluminescence Studies of Rare-Earth-Doped (Ce 3+) LaAlO 3 nanopowders prepared by facile combustion route. Materials Today: Proceedings, 2017, 4, 11848-11856.	1.8	4
78	Acid Activation of Bentonite Clay under Microwave Irradiation: Characterization, Cyclic Voltammetry and Photocatalytic activity. Materials Today: Proceedings, 2018, 5, 22643-22651.	1.8	4
79	NUV excited luminescence studies of Tb 3+ in CaTiO 3 nanophosphor for wLEDs. Materials Today: Proceedings, 2017, 4, 11720-11726.	1.8	3
80	Cyclic Voltammetry and Electrochemical Impedance Spectral Properties of MnO2 Obtained by Waste Discarded Batteries Using Eco-Friendly Leaching Materials. Asian Journal of Chemistry, 2017, 29, 2016-2024.	0.3	3
81	UV - Sun light Photocatalytic and photoluminescence Studies of Rare-Earth-Doped (Sm 3+) MgO nanopowders by Aloe Vera gel. Materials Today: Proceedings, 2017, 4, 11737-11746.	1.8	2
82	Fabrication and Hierarchical Structure of ZnO Nano Particle Using Green Fuels: Cyclic Voltammetry and Impedance Analysis. Materials Today: Proceedings, 2018, 5, 22547-22553.	1.8	2
83	Fabrication of MgFe2O4-ZnO Nanocomposites for Photocatalysis of Organic Pollutants under Solar Light Radiation. Asian Journal of Chemistry, 2019, 31, 2995-3003.	0.3	2
84	Fabrication of carbonized flakes epoxy electrode using lemon rind for supercapacitor applications. Case Studies in Chemical and Environmental Engineering, 2021, 3, 100090.	6.1	2
85	Electrochemical Enhancement of Nickel oxide Dispersed Graphene Sheets as Electrode Material for Energy Storage Application. Materials Today: Proceedings, 2018, 5, 22554-22560.	1.8	1
86	Centella asiatica and its carbonaceous composites as novel materials for photocatalytic and electrochemical applications. Materials Today: Proceedings, 2021, 46, 5936-5941.	1.8	1
87	Study of Green and Chemical Methods for Synthesis of Nano Spinel MgFe2O4 and its Study on Degradation of Rose Bengal Dye. Asian Journal of Chemistry, 2020, 32, 501-507.	0.3	0
88	Cyclic voltammetry and electrochemical impedance spectroscopy analysis of Cr3+ doped Mg2SiO4 nanoparticles. Material Science Research India, 2020, 17, 207-213.	0.7	0