

Nallani Satyanarayana

List of Publications by Year in descending order

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130
papers

2,789
citations

172457

29
h-index

254184

43
g-index

130
all docs

130
docs citations

130
times ranked

2884
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanofibers: Effective Generation by Electrospinning and Their Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 1-25.	0.9	278
2	Enhanced ionic conductivity of electrospun nanocomposite (PVDF+HFP+TiO ₂ nanofibers fillers) polymer fibrous membrane electrolyte for DSSC application. Polymer Composites, 2019, 40, 1585-1594.	4.6	101
3	Carbon Coated LiMnPO ₄ Nanorods for Lithium Batteries. Journal of the Electrochemical Society, 2011, 158, A227.	2.9	76
4	Preparation and characterization of nanocrystallite size cuprous oxide. Materials Research Bulletin, 2007, 42, 1619-1624.	5.2	58
5	Capacity fading mechanism of Li ₂ O loaded NiFe ₂ O ₄ /SiO ₂ aerogel anode for lithium-ion battery: Ex-situ XPS analysis. Applied Surface Science, 2021, 535, 147677.	6.1	55
6	Acid catalyst concentration effect on structure and ion relaxation studies of Li ₂ O-P ₂ O ₅ -B ₂ O ₃ -SiO ₂ glasses synthesized by sol-gel process. Journal of Non-Crystalline Solids, 2005, 351, 583-594.	3.1	54
7	Hydroboration or hydrogenation of alkenes with CoCl ₂ -NaBH ₄ . Tetrahedron Letters, 1984, 25, 2501-2504.	1.4	51
8	Structural, electrical and dielectric properties of spinel type MgAl ₂ O ₄ nanocrystalline ceramic particles synthesized by the gel-combustion method. Ceramics International, 2015, 41, 3178-3185.	4.8	51
9	Rapid microwave assisted hydrothermal synthesis of porous Fe ₂ O ₃ nanostructures as stable and high capacity negative electrode for lithium and sodium ion batteries. RSC Advances, 2015, 5, 34761-34768.	3.6	50
10	EPR studies of Cu ²⁺ ion in CdK ₂ (SO ₄) ₂ ·6H ₂ O single crystals. Journal of Physics and Chemistry of Solids, 1986, 47, 55-58.	4.0	49
11	Effect of ZnO filler concentration on the conductivity, structure and morphology of PVdF-HFP nanocomposite solid polymer electrolyte for lithium battery application. Ionics, 2013, 19, 1835-1842.	2.4	46
12	Sol-gel synthesis, structural and ion transport studies of lithium borosilicate glasses. Solid State Ionics, 2004, 166, 27-38.	2.7	42
13	Electrical and electrochemical studies of nanocrystalline mesoporous MgFe ₂ O ₄ as anode material for lithium battery applications. Ceramics International, 2016, 42, 16789-16797.	4.8	42
14	Electrochemical studies of electrospun organic/inorganic hybrid nanocomposite fibrous polymer electrolyte for lithium battery. Polymer, 2014, 55, 1136-1142.	3.8	41
15	On the photo-luminescence properties of sol-gel derived undoped and Dy ³⁺ ion doped nanocrystalline Scheelite type AMoO ₄ (A = Ca, Sr and Ba). Materials Research Bulletin, 2015, 64, 223-232.	5.2	41
16	Structural characterization and photoluminescence properties of sol-gel derived nanocrystalline BaMoO ₄ :Dy ³⁺ . Journal of Luminescence, 2015, 158, 203-210.	3.1	40
17	AC conductivity studies of silver based fast ion conducting glassy materials for solid state batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 54, 189-195.	3.5	39
18	Facile synthesis of MoO ₃ /rGO nanocomposite as anode materials for high performance lithium-ion battery applications. Journal of Alloys and Compounds, 2019, 810, 151920.	5.5	39

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19	A.C conductivity and dielectric properties of spinel LiMn2O4 nanorods. Ceramics International, 2015, 41, 14070-14077.	4.8	38
20	Surfactant-free microwave hydrothermal synthesis of SnO2 nanosheets as an anode material for lithium battery applications. Ceramics International, 2018, 44, 201-207.	4.8	38
21	Synthesis and characterization of nanocrystalline LiNi0.5Co0.5VO4 powders by citric acid assisted sol-gel combustion process. Journal of Alloys and Compounds, 2008, 462, 328-334.	5.5	37
22	Î2-PVDF based electrospun nanofibers A promising material for developing cardiac patches. Medical Hypotheses, 2019, 122, 31-34.	1.5	37
23	Novel urea assisted polymeric citrate route for the synthesis of nanocrystalline spinel LiMn2O4 powders. Journal of Alloys and Compounds, 2007, 441, 284-290.	5.5	35
24	AC conductivity studies of lithium borosilicate glasses: synthesized by sol-gel process with various concentrations of nitric acid as a catalyst. Materials Chemistry and Physics, 2004, 88, 138-144.	4.0	33
25	Isomerization of olefins catalysed by a CoCl2/Ph3P/NaBH4 system. Journal of Organometallic Chemistry, 1987, 319, 113-117.	1.8	30
26	Effect of ethylene glycol on polyacrylic acid based combustion process for the synthesis of nano-crystalline nickel ferrite (NiFe2O4). Materials Letters, 2004, 58, 2717-2720.	2.6	30
27	Transport and solid state battery characteristic studies of silver based super ion conducting glasses. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 119, 136-143.	3.5	30
28	Sol-gel synthesis and characterization of the Ag2O-SiO2 system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 72, 7-12.	3.5	29
29	Effect of different ethylene glycol precursors on the Pechini process for the synthesis of nano-crystalline LiNi0.5Co0.5VO4 powders. Materials Chemistry and Physics, 2005, 91, 54-59.	4.0	29
30	Microwave hydrothermal synthesis of Î±-MnMoO4 nanorods for high electrochemical performance supercapacitors. RSC Advances, 2018, 8, 22559-22568.	3.6	29
31	Effects of differing ratios of network modifier (Ag2O) to network formers (MoO3 + V2O5) and dopant salt (AgI) concentrations in silver-based superionic glassy compounds. Journal of Non-Crystalline Solids, 1991, 136, 219-226.	3.1	28
32	EPR and electronic absorption studies of vanadyl ions in the Cd(NH4)2(SO4)2·6H2O single crystals. Journal of Chemical Physics, 1985, 83, 529-534.	3.0	27
33	Glycerol-assisted gel combustion synthesis of nano-crystalline LiNiVO4 powders for secondary lithium batteries. Materials Letters, 2004, 58, 1218-1222.	2.6	27
34	Lanthanum ion (La ³⁺) substituted CoFe ₂ O ₄ anode material for lithium ion battery applications. New Journal of Chemistry, 2015, 39, 4601-4610.	2.8	27
35	Carbonylation of benzyl halides using CoCl2/NaBH4/CO/NaOH reagent system. Tetrahedron Letters, 1987, 28, 2633-2636.	1.4	26
36	Electrochemical Characterization of Electrospun Nanocomposite Polymer Blend Electrolyte Fibrous Membrane for Lithium Battery. Journal of Physical Chemistry B, 2015, 119, 5299-5308.	2.6	26

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37	Enhanced electrochemical performance of MnCo ₂ O ₄ nanorods synthesized via microwave hydrothermal method for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 21194-21204.	2.2	26
38	Conductivity and dielectric permittivity studies of KI-based nanocomposite (PEO/PMMA/KI) ₂ /ZnO nanorods) polymer solid electrolytes. <i>Polymer Composites</i> , 2019, 40, 2919-2928.	4.6	26
39	Electrical and dielectric properties of rare earth oxides coated LiCoO ₂ particles. <i>Ionics</i> , 2014, 20, 175-181.	2.4	25
40	A simple synthesis of trans, trans-1,3-dienes from terminal alkynes using CoCl ₂ /Ph ₃ P/NaBH ₄ . <i>Tetrahedron Letters</i> , 1986, 27, 6253-6256.	1.4	23
41	Structural characterization and electrical conductivity studies of BaMoO ₄ nanofibers prepared by sol-gel and electrospinning techniques. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 480-489.	2.4	23
42	Preparation of LiMn ₂ O ₄ Nanorods and Nanoparticles for Lithium-ion Battery Applications. <i>Materials Today: Proceedings</i> , 2016, 3, 4040-4045.	1.8	23
43	High conducting nanocomposite electrospun PVDF-HFP/ TiO ₂ quasi-solid electrolyte for dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1199-1213.	2.2	23
44	Sol-gel mediated surface modification of nanocrystalline NiFe ₂ O ₄ spinel powders with amorphous SiO ₂ . <i>Ceramics International</i> , 2013, 39, 4105-4111.	4.8	22
45	Binder effect on the battery performance of mesoporous copper ferrite nanoparticles with grain boundaries as anode materials. <i>RSC Advances</i> , 2014, 4, 44089-44099.	3.6	22
46	Structural characterization and impedance studies of PbO nanofibers synthesized by electrospinning technique. <i>Materials Chemistry and Physics</i> , 2017, 194, 188-197.	4.0	22
47	Semi-empirical evaluation of molecular-orbital parameters, and spin-orbit, dipolar and fermi-contact terms of VO ₂ ⁺ ion in lattices. <i>Polyhedron</i> , 1986, 5, 1171-1181.	2.2	20
48	Effect of calcining temperature on the electrochemical performance of nanocrystalline LiMn ₂ O ₄ powders prepared by polyethylene glycol (PEG-400) assisted Pechini process. <i>Materials Letters</i> , 2006, 60, 3212-3216.	2.6	20
49	AC Conductivity and Electrical Modulus Studies on Lithium Vanadophosphate Glasses. <i>Journal of the American Ceramic Society</i> , 2007, 90, 125-131.	3.8	20
50	Electrical conductivity studies of nanocrystalline lanthanum silicate synthesized by sol-gel route. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1138-1145.	5.5	20
51	Enhanced conductivity and electrical relaxation studies of carbon-coated LiMnPO ₄ nanorods. <i>Ionics</i> , 2013, 19, 461-469.	2.4	20
52	Characterization and Electrochemical Properties of P(VdF-co-HFP) Based Electrospun Nanocomposite Fibrous Polymer Electrolyte Membrane for Lithium Battery Applications. <i>Electroanalysis</i> , 2014, 26, 2373-2379.	2.9	20
53	EPR and electronic absorption studies of the VO ₂ ⁺ ion in 3CdSO ₄ ·8H ₂ O single crystals. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1985, 41, 1185-1195.	0.1	19
54	Enhanced electrochemical performance of carbon-coated LiMPO ₄ (M=Co and Ni) nanoparticles as cathodes for high-voltage lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1855-1863.	2.5	19

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55	Structural, electrical and dielectric properties of nanocrystalline LiMgBO ₃ particles synthesized by Pechini process. <i>Journal of Alloys and Compounds</i> , 2017, 718, 459-470.	5.5	19
56	High Capacity Electrospun MgFe ₂ O ₄ @C Composite Nanofibers as an Anode Material for Lithium Ion Batteries. <i>ChemistrySelect</i> , 2018, 3, 8010-8017.	1.5	19
57	Novel Dispersion of 1D Nanofiber Fillers for Fast Ion-Conducting Nanocomposite Polymer Blend Quasi-Solid Electrolytes for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2022, 7, 1658-1670.	3.5	19
58	Preparation, characterization and electrical conductivity studies of nanocrystalline La doped BaMoO ₄ . <i>Materials Research Bulletin</i> , 2011, 46, 32-41.	5.2	18
59	Structural, electrical and dielectric studies of nanocrystalline LiMnPO ₄ particles. <i>Ionics</i> , 2014, 20, 927-934.	2.4	18
60	Effect of PMMA blend and ZnAl ₂ O ₄ fillers on ionic conductivity and electrochemical performance of electrospun nanocomposite polymer blend fibrous electrolyte membranes for lithium batteries. <i>RSC Advances</i> , 2016, 6, 6486-6495.	3.6	18
61	A.c. conductivity studies on the silver molybdo-arsenate glassy system. <i>Journal of Materials Science</i> , 1996, 31, 5471-5477.	3.7	17
62	Ion transport and relaxation studies of silvertellurite glasses at low temperatures. <i>Materials Chemistry and Physics</i> , 2004, 87, 370-377.	4.0	17
63	A novel electrospun cobalt-doped zinc oxide nanofibers as photoanode for dye-sensitized solar cell. <i>Materials Research Express</i> , 2019, 6, 025041.	1.6	17
64	Ionic relaxation of electrospun nanocomposite polymer-blend quasi-solid electrolyte for high photovoltaic performance of Dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2020, 250, 122945.	4.0	17
65	Functionalization of single-walled carbon nanotubes with silver nanoparticles using <i>Tecoma stans</i> leaf extract. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1725-1729.	2.7	16
66	Rhodium-Catalyzed Modification of Poly(methylhydrosiloxane) into a Highly Cross-Linked Polysiloxane. <i>Macromolecules</i> , 1995, 28, 281-283.	4.8	15
67	Sol-gel synthesis, characterization and impedance studies of lithium borosilicate glass. <i>Materials Research Bulletin</i> , 2004, 39, 1753-1762.	5.2	15
68	Sol-gel synthesis and characterization of Li ₂ O-As ₂ O ₅ -SiO ₂ glassy system. <i>Materials Chemistry and Physics</i> , 2008, 111, 24-28.	4.0	15
69	Acrylamide assisted polymeric citrate route for the synthesis of nanocrystalline ZrO ₂ powder. <i>Materials Chemistry and Physics</i> , 2010, 120, 148-154.	4.0	15
70	Electrospun SnO ₂ /C composite nanofibers as an anode material for lithium battery applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11117-11123.	2.2	15
71	Microwave-assisted hydrothermal synthesis of SnO ₂ /reduced graphene-oxide nanocomposite as anode material for high performance lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14723-14732.	2.2	15
72	Hydrothermal synthesis of novel Mn _{1/3} Ni _{1/3} Co _{1/3} MoO ₄ on reduced graphene oxide with a high electrochemical performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 778, 900-912.	5.5	15

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73	Ammonium carboxylates assisted combustion process for the synthesis of nanocrystalline LiCoO ₂ powders. <i>Materials Chemistry and Physics</i> , 2008, 109, 241-248.	4.0	14
74	Synthesis and characterization of AgNP:ZrO ₂ functional nanomaterials by leaf extract assisted bioreduction process. <i>Ceramics International</i> , 2015, 41, 3305-3311.	4.8	14
75	Surfactant-free microwave-hydrothermal synthesis of SnO ₂ flower-like structures as an anode material for lithium-ion batteries. <i>Materialia</i> , 2018, 4, 276-281.	2.7	14
76	Scalable novel PVDF based nanocomposite foam for direct blood contact and cardiac patch applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 270-280.	3.1	14
77	Sol-gel synthesis, structural characterization and ion transport studies of lithium samarium silicate for lithium battery application. <i>Materials Chemistry and Physics</i> , 2006, 95, 16-23.	4.0	13
78	Preparation and characterization of nanocrystalline CoFe ₂ O ₄ deposited on SiO ₂ : in situ sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 24-32.	2.4	13
79	Preparation, characterization and electrical conductivity studies of nanocrystalline scheelite Ba _{1-x} Dy _x MoO ₄ . <i>Ceramics International</i> , 2014, 40, 2349-2358.	4.8	13
80	Structural and Electrical Conductivity studies of Spinel LiMn ₂ O ₄ Cathode films grown by RF Sputtering. <i>Materials Today: Proceedings</i> , 2016, 3, 4046-4051.	1.8	12
81	Synthesis, characterization and electrical properties of mesoporous nanocrystalline CoFe ₂ O ₄ as a negative electrode material for lithium battery applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17208-17214.	2.2	12
82	Symbiotic organism search algorithm for simulation of J-V characteristics and optimizing internal parameters of DSSC developed using electrospun TiO ₂ nanofibers. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	12
83	Enhanced energy storage performance of nanocrystalline Sm-doped CoFe ₂ O ₄ as an effective anode material for Li-ion battery applications. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 225-236.	2.5	12
84	Preparation, characterization and impedance studies of the superionic conducting Ag ₂ O-CrO ₃ -V ₂ O ₅ glassy system. <i>Solid State Ionics</i> , 2000, 136-137, 1097-1100.	2.7	11
85	Three-dimensional lithium manganese phosphate microflowers for lithium-ion battery applications. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 163-167.	2.9	11
86	Electrospun Nanocomposite Ag-ZnO Nanofibrous Photoanode for Better Performance of Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2019, 48, 4389-4399.	2.2	11
87	Review on the recent progress in the nanocomposite polymer electrolytes on the performance of lithium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 7137-7174.	4.5	11
88	Glass formation and electrical conductivity studies of AgI-Ag ₂ O-[xMoO ₃ +(1-x)V ₂ O ₅] x=0.1 to 0.9 system. <i>Solid State Ionics</i> , 1988, 28-30, 811-813.	2.7	10
89	Transport properties and battery performance studies of AgI-Ag ₂ O-Se ₂ O ₃ -P ₂ O ₅ glass. <i>Journal of Power Sources</i> , 2000, 85, 224-228.	7.8	10
90	Solid-state batteries using silver-based fast ionic conducting glassy electrolytes. <i>Journal of Power Sources</i> , 1994, 51, 457-462.	7.8	9

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91	Preparation and electrical conductivity studies of silver based molybdoarsenate glassy compound system. <i>Journal of Materials Science Letters</i> , 1990, 9, 1123-1125.	0.5	8
92	Study of dopant salt concentration in a silver molybdoarsenate glassy system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992, 13, 295-298.	3.5	8
93	Structural and Optical Studies of ZnO Nanostructures Synthesized by Rapid Microwave Assisted Hydrothermal and Solvothermal Methods. <i>Transactions of the Indian Ceramic Society</i> , 2018, 77, 169-174.	1.0	8
94	Role of quercetin and caloric restriction on the biomolecular composition of aged rat cerebral cortex: An FTIR study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117128.	3.9	8
95	Surface modified LiCoO ₂ as cathode for Li ion battery application. <i>Materials Today: Proceedings</i> , 2019, 19, 2654-2657.	1.8	8
96	Structural characterization, electrical conductivity and open circuit voltage studies of the nanocrystalline La ₁₀ Si ₆ O ₂₇ electrolyte material for SOFCs. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	7
97	Investigation of sol-gel route in the synthesis of lithium ion conducting glasses. <i>Solid State Ionics</i> , 1996, 86-88, 543-546.	2.7	6
98	Fabrication and characterization of silver-based solid-state primary batteries. <i>Journal of Power Sources</i> , 1996, 62, 15-19.	7.8	6
99	Solid-state NMR and XANES studies of lithium and silver silicate gels synthesized by the sol-gel route. <i>Journal of Non-Crystalline Solids</i> , 2003, 318, 296-304.	3.1	6
100	Preparation, characterization and conductivity studies of AgI-Ag ₂ O-(TeO ₂) ₂ Tj ETQq0 0 0 rgBT /Overlock 10 T 1717-1720.	3.7	6
101	Structural and Electrical Conductivity Studies of LiMgBO ₃ Nanoparticles Prepared by Pechini process. <i>Materials Today: Proceedings</i> , 2016, 3, 4064-4069.	1.8	6
102	Electrochemical performance of SnO ₂ rods and SnO ₂ /rGO, SnO ₂ /MWCNTs composite materials as an anode for lithium-ion battery application-A comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7619-7629.	2.2	6
103	Gel growth and characterization of pure and vanadyl-doped strontium tartrate tetrahydrate single crystals. <i>Journal of Materials Science</i> , 1985, 20, 1993-2000.	3.7	5
104	Reactivity ratios of the 3-methoxy-4-(2-hydroxy-3-methacryloxypropoxy)benzaldehyde and methyl methacrylate system from ¹ H n.m.r.. <i>Polymer</i> , 1994, 35, 3703-3705.	3.8	5
105	Preparation of NiAl ₂ O ₄ /SiO ₂ and Co ²⁺ -Doped NiAl ₂ O ₄ /SiO ₂ Nanocomposites by the Sol-Gel Route. <i>Journal of the American Ceramic Society</i> , 2006, 89, 060427083300002-???	3.8	5
106	Synthesis of hematite α -Fe ₂ O ₃ nanospheres for lithium ion battery applications. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	5
107	Ion and electron-conducting additive effect on Li-ion charge storage performance of CuFe ₂ O ₄ /SiO ₂ composite aerogel anode. <i>Ceramics International</i> , 2020, 46, 25330-25340.	4.8	5
108	Microwave hydrothermal synthesis and electrochemical characterization of NiMoO ₄ nanosheets/SnO ₂ nanospheres/rGO nanocomposite as high-performance anode for lithium-ion batteries. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108916.	3.9	5

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109	EPR and electronic absorption studies of Mn ²⁺ ion in 3CdSO ₄ · 8H ₂ O single crystals. Polyhedron, 1985, 4, 633-641.	2.2	4
110	Optical absorption spectrum of Cu ²⁺ ion in Cd(NH ₄) ₂ (SO ₄) ₂ · 6H ₂ O and CdK ₂ (SO ₄) ₂ · 6H ₂ O single crystals. Solid State Communications, 1985, 54, 891-894.	1.9	4
111	Characterization of solid-state batteries using a silver selenoarsanate glass system. Journal of Power Sources, 1998, 73, 257-260.	7.8	4
112	Structural and conductivity studies of fast ion conducting silver based tellurate glasses. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 106, 46-51.	3.5	4
113	Electrospun nanocomposite fibrous polymer electrolyte for secondary lithium battery applications. AIP Conference Proceedings, 2014, , .	0.4	4
114	Structural characterisation and electrical conductivity studies of BaMoO ₄ nanorods prepared by modified acrylamide assisted sol-gel process. Advances in Applied Ceramics, 2014, 113, 372-379.	1.1	4
115	Electrospun nanocomposite polymer fibrous membrane electrolyte for DSSC application. AIP Conference Proceedings, 2018, , .	0.4	4
116	Structural and Electrochemical Studies of La ₂ O ₃ Coated LiCoO ₂ Particles. Transactions of the Indian Ceramic Society, 2020, 79, 120-124.	1.0	4
117	A novel hybrid approach for the optimization of double-diode model parameters of solar cell. International Journal of Energy Research, 2022, 46, 14766-14778.	4.5	4
118	Rapid microwave hydrothermal processed spinel Co ₃ O ₄ nanospheres infused N-doped graphene nanosheets for high-performance battery. Nanotechnology, 2022, 33, 425402.	2.6	4
119	Novel Polymeric Resin Route for the Surface Modification of Nanocrystalline LiCoO ₂ Particles with Al ₂ O ₃ . Nanoscience and Nanotechnology Letters, 2011, 3, 161-165.	0.4	3
120	Review-Development of Inorganic Nanostructures by Microwave Synthesis Technique. ECS Journal of Solid State Science and Technology, 0, , .	1.8	3
121	Nickel centers in strontium tartrate tetrahydrate single crystals. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1983, 122, 67-73.	0.9	2
122	Electronic absorption spectra of Mn ²⁺ ion in Cd(NH ₄) ₂ (SO ₄) ₂ · 6H ₂ O and CdK ₂ (SO ₄) ₂ · 6H ₂ O single crystals. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 138, 97-102.	0.9	2
123	Effect of acid catalyst concentration on structure and conductivity studies of quaternary lithium-based glasses synthesized by sol-gel route. Materials Letters, 2005, 59, 934-939.	2.6	2
124	Rational design of SnO ₂ nanoflakes as a stable and high rate anode for lithium-ion batteries. Journal of Materials Science: Materials in Electronics, 2020, 31, 8556-8563.	2.2	2
125	Monte Carlo simulation of ion conduction in silver based glassy electrolytes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 47, 210-217.	3.5	1
126	Synthesis of SiO ₂ · CoFe ₂ O ₄ nanocomposite by Base Catalyst Assisted In-situ Sol-Gel Process. , 2010, , .		1

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127	Optical studies of ZnO nanoparticles and 1-D nanofibers. AIP Conference Proceedings, 2013, , .	0.4	1
128	Synthesis, characterization and conductivity studies of ZnFe ₂ O ₄ nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	1
129	Facile fabrication and characterisation of MoO ₃ coated nanocrystalline ZrO ₂ by polymeric resin route. Advances in Applied Ceramics, 2013, 112, 460-465.	1.1	0
130	Structural and ionic conductivity studies of electrospun polymer blend P(VdF-co-HFP)/PMMA electrolyte membrane for lithium battery application. AIP Conference Proceedings, 2015, , .	0.4	0