

Stephen Arumainathan

List of Publications by Year in descending order

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178
papers

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citations

81743

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docs citations

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times ranked

7812
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#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic activity of ZnO/CuO nanocomposite for the degradation of textile dye on visible light illumination. <i>Materials Science and Engineering C</i> , 2013, 33, 91-98.	3.8	923
2	ZnO/Ag/CdO nanocomposite for visible light-induced photocatalytic degradation of industrial textile effluents. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 126-133.	5.0	579
3	ZnO/Ag nanocomposite: An efficient catalyst for degradation studies of textile effluents under visible light. <i>Materials Science and Engineering C</i> , 2013, 33, 2235-2244.	3.8	525
4	Ce ³⁺ -ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. <i>Scientific Reports</i> , 2016, 6, 31641.	1.6	506
5	Visible light induced degradation of methylene blue using CeO ₂ /V ₂ O ₅ and CeO ₂ /CuO catalysts. <i>Materials Science and Engineering C</i> , 2013, 33, 4725-4731.	3.8	465
6	The photocatalytic activity of ZnO prepared by simple thermal decomposition method at various temperatures. <i>Journal of Molecular Liquids</i> , 2013, 177, 394-401.	2.3	459
7	ZnO/Ag/Mn ₂ O ₃ nanocomposite for visible light-induced industrial textile effluent degradation, uric acid and ascorbic acid sensing and antimicrobial activity. <i>RSC Advances</i> , 2015, 5, 34645-34651.	1.7	426
8	Comparative study on photocatalytic activity of ZnO prepared by different methods. <i>Journal of Molecular Liquids</i> , 2013, 181, 133-141.	2.3	348
9	Visible light degradation of textile effluent using novel catalyst ZnO/β-Mn ₂ O ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1910-1917.	2.7	333
10	Synthesis, characterization and photocatalytic activity of novel Hg doped ZnO nanorods prepared by thermal decomposition method. <i>Journal of Molecular Liquids</i> , 2013, 178, 88-93.	2.3	296
11	ZnO/CdO composite nanorods for photocatalytic degradation of methylene blue under visible light. <i>Materials Chemistry and Physics</i> , 2011, 125, 277-280.	2.0	239
12	Synthesis and characterization of chitosan-silver nanocomposite. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 299-303.	1.6	175
13	ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. <i>Journal of Molecular Liquids</i> , 2015, 209, 374-380.	2.3	163
14	Effect of accelerators and stabilizers on the formation and characteristics of electroless Ni-P deposits. <i>Materials Chemistry and Physics</i> , 2006, 99, 117-126.	2.0	134
15	Formation of electroless Ni-B coatings using low temperature bath and evaluation of their characteristic properties. <i>Surface and Coatings Technology</i> , 2006, 200, 6888-6894.	2.2	117
16	Pulsed electrodeposition of nanocrystalline Cu-Ni alloy films and evaluation of their characteristic properties. <i>Materials Letters</i> , 2006, 60, 1990-1995.	1.3	116
17	Basic Principles, Mechanism, and Challenges of Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 19-40.	0.5	112
18	Cytotoxicity and antimicrobial activities of green synthesized silver nanoparticles. <i>European Journal of Medicinal Chemistry</i> , 2014, 76, 256-263.	2.6	110

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19	Visible light induced degradation of methyl orange using $\text{Ag}_0.33\text{V}_2\text{O}_5$ nanorod catalysts by facile thermal decomposition method. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 521-527.	2.4	106
20	Fabrication of $\text{Ni-Fe}_2\text{O}_3$ magnetic nanorods and application to the detection of uric acid. <i>RSC Advances</i> , 2014, 4, 17146.	1.7	103
21	Electroless Ni-Co-P ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2003, 172, 298-307.	2.2	97
22	Doping of Co into V_2O_5 nanoparticles enhances photodegradation of methylene blue. <i>Journal of Alloys and Compounds</i> , 2014, 598, 151-160.	2.8	95
23	Preparation and characterization of cross-linked chitosan/palladium nanocomposites for catalytic and antibacterial activity. <i>Journal of Molecular Liquids</i> , 2018, 257, 32-41.	2.3	84
24	An in vitro cytotoxicity study of 5-fluorouracil encapsulated chitosan/gold nanocomposites towards MCF-7 cells. <i>RSC Advances</i> , 2015, 5, 1024-1032.	1.7	83
25	Tailoring the electrical and dielectric properties of ZnO nanorods by substitution. <i>Journal of Molecular Liquids</i> , 2014, 193, 160-165.	2.3	76
26	Line defect Ce^{3+} induced $\text{Ag/CeO}_2/\text{ZnO}$ nanostructure for visible-light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 499-506.	2.0	73
27	Synthesis and characterization of ZnO and Ni doped ZnO nanorods by thermal decomposition method for spintronics application. <i>Materials Characterization</i> , 2012, 67, 10-16.	1.9	72
28	New electrochemical sensor based on Ni-doped V_2O_5 nanoplates modified glassy carbon electrode for selective determination of dopamine at nanomolar level. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 440-447.	4.0	69
29	Highly active graphene-supported palladium-nickel alloy nanoparticles for catalytic reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2018, 449, 764-771.	3.1	67
30	$\text{MoO}_3/\text{polyaniline}$ composite for effective scavenging of Rhodamine B, Congo red and textile dye effluent. <i>RSC Advances</i> , 2016, 6, 28871-28886.	1.7	66
31	Electroless Ni-Co-B ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2004, 179, 56-62.	2.2	64
32	Facile synthesis of cobalt doped hematite nanospheres: Magnetic and their electrochemical sensing properties. <i>Materials Chemistry and Physics</i> , 2012, 134, 590-596.	2.0	62
33	5-Fluorouracil and curcumin co-encapsulated chitosan/reduced graphene oxide nanocomposites against human colon cancer cell lines. <i>Polymer Bulletin</i> , 2020, 77, 213-233.	1.7	59
34	Spectroscopic investigations, antimicrobial, and cytotoxic activity of green synthesized gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 484-490.	2.0	50
35	In vitro cytotoxicity study of dual drug loaded chitosan/palladium nanocomposite towards HT-29 cancer cells. <i>Materials Science and Engineering C</i> , 2017, 75, 1399-1410.	3.8	49
36	Synthesis, structure stability and magnetic properties of nanocrystalline Ag-Ni alloy. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	46

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37	Synthesis of Co ²⁺ -doped Fe ₂ O ₃ photocatalyst for degradation of pararosaniline dye. <i>Solid State Sciences</i> , 2017, 68, 39-46.	1.5	44
38	Synthesis and characterization of Keggin-type polyoxometalate/zirconia nanocomposites—Comparison of its photocatalytic activity towards various organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 26-40.	2.0	42
39	Photocatalytic properties of amine functionalized Bi ₂ Sn ₂ O ₇ /rGO nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 118, 21-31.	1.9	41
40	Effect of phosphorus on magnetic property of Ni–P alloy synthesized using pulsed electrodeposition. <i>Materials Chemistry and Physics</i> , 2015, 166, 153-159.	2.0	40
41	A comparative study of 5-Fluorouracil release from chitosan/silver and chitosan/silver/MWCNT nanocomposites and their cytotoxicity towards MCF-7. <i>Materials Science and Engineering C</i> , 2016, 66, 244-250.	3.8	40
42	Luminescent chitosan/carbon dots as an effective nano-drug carrier for neurodegenerative diseases. <i>RSC Advances</i> , 2020, 10, 24386-24396.	1.7	40
43	Synthesis and spectral characterization of silver embedded chitosan matrix nanocomposite for the selective colorimetric sensing of toxic mercury. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 242-250.	2.0	38
44	Investigations on the performance of poly(o-anisidine)/graphene nanocomposites for the electrochemical detection of NADH. <i>Materials Science and Engineering C</i> , 2015, 55, 579-591.	3.8	38
45	Fabrication of neurotransmitter dopamine electrochemical sensor based on poly(o-anisidine)/CNTs nanocomposite. <i>Surfaces and Interfaces</i> , 2016, 4, 27-34.	1.5	38
46	Preparation and characterization of polyindole–ZnO composite polymer electrolyte with LiClO ₄ . <i>Ionics</i> , 2010, 16, 839-848.	1.2	34
47	Preparation and Characterization of Polyindole–Iron Oxide Composite Polymer Electrolyte Containing LiClO ₄ . <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 225-230.	1.9	34
48	Manganese sesquioxide to trimanganese tetroxide hierarchical hollow nanostructures: effect of gadolinium on structural, thermal, optical and magnetic properties. <i>CrystEngComm</i> , 2015, 17, 2886-2895.	1.3	33
49	Pulsed electrodeposited dendritic Pd-Ni alloy as a magnetically recoverable nanocatalyst for the hydrogenation of 4-nitrophenol. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1703-1711.	2.8	33
50	Synthesis and Characterization of Polyindole–NiO-Based Composite Polymer Electrolyte with LiClO ₄ . <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2011, 60, 877-892.	1.8	32
51	Polyindole–CuO composite polymer electrolyte containing LiClO ₄ for lithium ion polymer batteries. <i>Polymer Bulletin</i> , 2012, 68, 181-196.	1.7	32
52	Acetone sensing behaviour of optical fiber clad-modified with ⁶³ CuBr nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 181-185.	1.9	32
53	Crosslinked Chitosan–Gelatin Biocompatible Nanocomposite as a Neuro Drug Carrier. <i>ACS Omega</i> , 2022, 7, 18732-18744.	1.6	32
54	Photocatalytic Degradation of Organic Dyes Using ZnO/CeO ₂ Nanocomposite Material under Visible Light. <i>Advanced Materials Research</i> , 0, 584, 381-385.	0.3	29

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55	Visible light degradation of textile effluent by electrodeposited multiphase CuInSe ₂ semiconductor photocatalysts. <i>Journal of Molecular Liquids</i> , 2017, 227, 194-201.	2.3	27
56	Facile solvothermal decomposition synthesis of single phase ZnBi ₃₈ O ₆₀ nanobundles for sensitive detection of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017, 41, 7020-7027.	1.4	25
57	A voltammetric biosensor based on poly(o-methoxyaniline)-gold nanocomposite modified electrode for the simultaneous determination of dopamine and folic acid. <i>Materials Science and Engineering C</i> , 2018, 91, 512-523.	3.8	25
58	Preparation and performance of Fe ₃ O ₄ /TiO ₂ nanocomposite with enhanced photo-Fenton activity for photocatalysis by facile hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	25
59	Chitosan stabilized Ag-Au nanoalloy for colorimetric sensing and 5-Fluorouracil delivery. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 862-872.	3.6	24
60	Enhanced photocatalytic activity of Fe ₃ O ₄ /SnO ₂ magnetic nanocomposite for the degradation of organic dye. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9663-9677.	1.1	24
61	Synthesis, characterization and photocatalytic activity of nanotitania loaded W-MCM-41. <i>Nanotechnology</i> , 2008, 19, 315711.	1.3	23
62	Corrosion resistance of electroless Ni-Al ₂ O ₃ coatings. <i>Transactions of the Institute of Metal Finishing</i> , 2009, 87, 221-224.	0.6	23
63	Chitosan/reduced graphene oxide/Pd nanocomposites for co-delivery of 5-fluorouracil and curcumin towards HT-29 colon cancer cells. <i>Polymer Bulletin</i> , 2020, 77, 5681-5696.	1.7	23
64	Fabrication of Fe ₂ O ₃ Nanoparticles for the Electrochemical Detection of Uric Acid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 303-307.	0.6	22
65	Fabrication of iron oxide nanoparticles: magnetic and electrochemical sensing property. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1256-1263.	1.1	21
66	Induced ordering in electrodeposited nanocrystalline Ni-Mn alloys. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	20
67	Structural, optical and magnetic properties of gadolinium sesquioxide nanobars synthesized via thermal decomposition of gadolinium oxalate. <i>Materials Research Bulletin</i> , 2013, 48, 4210-4215.	2.7	20
68	Synthesis and characterization of GaN/PEDOT-PPY nanocomposites and its photocatalytic activity and electrochemical detection of mebendazole. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3565-3575.	2.3	20
69	PHOTOCATALYTIC DEGRADATION OF ORGANIC DYE USING NANO ZnO. <i>International Journal of Nanoscience</i> , 2011, 10, 253-257.	0.4	19
70	Microstructure analysis of the ferromagnetic Ag-Ni system synthesized by pulsed electrodeposition. <i>Applied Surface Science</i> , 2012, 258, 3126-3132.	3.1	19
71	Fabrication of chitosan/MWCNT nanocomposite as a carrier for 5-fluorouracil and a study of the cytotoxicity of 5-fluorouracil encapsulated nanocomposite towards MCF-7. <i>Polymer Bulletin</i> , 2016, 73, 3221-3236.	1.7	19
72	Camphor sulphonic acid doped novel polycarbazole-g-C ₃ N ₄ as an efficient electrode material for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8736-8750.	1.1	19

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73	Pd-Co alloy as an efficient recyclable catalyst for the reduction of hazardous 4-nitrophenol. <i>Research on Chemical Intermediates</i> , 2019, 45, 815-832.	1.3	19
74	Comparative study of hydrogen evolution behavior of Nickel Cobalt and Nickel Cobalt Magnesium alloy film prepared by pulsed electrodeposition. <i>Vacuum</i> , 2019, 160, 461-466.	1.6	19
75	Cadmium oxide nanoplatelets: synthesis, characterization and their electrochemical sensing property of catechol. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 771-776.	1.2	18
76	Fe ₂ O ₃ nanoflowers: synthesis, characterization, electrochemical sensing and photocatalytic property. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 645-652.	1.2	18
77	Studies on the growth and characterization of L-argininium formate single crystals. <i>Journal of Crystal Growth</i> , 2004, 267, 619-623.	0.7	17
78	Structural and magnetic investigations on metastable Ag-Fe nanophase alloy. <i>Journal of Alloys and Compounds</i> , 2013, 557, 172-178.	2.8	17
79	A strategy to promote the electroactive platform adopting poly(o-anisidine)-silver nanocomposites probed for the voltammetric detection of NADH and dopamine. <i>Materials Science and Engineering C</i> , 2017, 80, 425-437.	3.8	17
80	Recent advances in polymer supporting layered double hydroxides nanocomposite for electrochemical biosensors. <i>Materials Research Express</i> , 2018, 5, 014011.	0.8	17
81	Magnetic properties of electrodeposited nickel-manganese alloys: Effect of Ni/Mn bath ratio. <i>Journal of Applied Electrochemistry</i> , 2000, 30, 1313-1316.	1.5	16
82	Dendritic Ag-Fe nanocrystalline alloy synthesized by pulsed electrodeposition and its characterization. <i>Applied Surface Science</i> , 2014, 316, 491-496.	3.1	16
83	Dopamine-conjugated CuS/chitosan nanocomposite for targeted photothermal drug delivery: In vitro cytotoxicity study to establish bio-compatibility. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102193.	1.4	16
84	Aqueous based synthesis of Cu ₅ Se ₄ nanosheets and characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1888-1894.	1.1	15
85	Fe ₂ O ₃ @polyaniline nanocomposite: Characterization and unusual sensing property. <i>Materials Letters</i> , 2014, 128, 369-372.	1.3	15
86	Highly efficient catalytic reduction and electrochemical sensing of hazardous 4-nitrophenol using chitosan/rGO/palladium nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14093-14104.	1.1	15
87	Magnetization behaviour of electrodeposited Ni-Mn alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998, 55, 184-186.	1.7	14
88	Homo and hetero epitaxy of Germanium using isobutylgermane. <i>Thin Solid Films</i> , 2008, 517, 404-406.	0.8	14
89	Magnetic anisotropy studies on pulsed electrodeposited Ni/Ag/Ni trilayer. <i>Applied Surface Science</i> , 2014, 313, 698-703.	3.1	14
90	Poly(anthranilic acid) Microspheres: Synthesis, Characterization and their Electrocatalytic Properties. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1919-1924.	1.0	14

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91	Corrosion behaviour of electrodeposited Ni-Mn alloys – electrochemical impedance measurements. <i>Anti-Corrosion Methods and Materials</i> , 1999, 46, 117-121.	0.6	12
92	Visible light photocatalytic property of Zn doped V ₂ O ₅ nanoparticles. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	12
93	Investigation of background radiation level in Krusadai Island Mangrove, Gulf of Mannar, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 735-744.	0.7	12
94	Investigating the photocatalytic degradation property of Pt, Pd and Ni nanoparticles-loaded TiO ₂ nanotubes powder prepared via rapid breakdown anodization. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2994-3005.	1.2	12
95	Electrochemical alloying of immiscible Ag and Co for their structural and magnetic analyses. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 433, 202-208.	1.0	11
96	Phosphorus role on the enhancement in catalytic activity of magnetic Ni-P alloy. <i>Surfaces and Interfaces</i> , 2017, 7, 58-68.	1.5	10
97	Effective dual role catalyst of mixed oxide heterostructure for photocatalyst and electrocatalytic sensing of isoniazid. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12726-12740.	1.1	10
98	Pulsed 70 kV X-ray sensing behavior of Cu ₂ HgI ₄ thick films. <i>Materials Science in Semiconductor Processing</i> , 2019, 91, 201-205.	1.9	10
99	Solid state synthesis of copper tungstate nanoparticles and its electrochemical detection of 4-chlorophenol. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	9
100	Influence of Sn on the magnetic ordering of Ni-Sn alloy synthesized using chemical reduction method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 406, 103-109.	1.0	9
101	Facile synthesis of 1D/1D ZnO@h-MoO ₃ for enhanced visible light driven photo degradation of industrial textile effluent. <i>Materials Letters</i> , 2020, 262, 127049.	1.3	9
102	Synthesis and Characterization of Nano-Titania Photocatalyst Loaded on Mo-MCM-41 Support. <i>Advanced Science Letters</i> , 2011, 4, 89-95.	0.2	9
103	Electrochemical sensing property of Mn doped Fe ₃ O ₄ nanoparticles. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	8
104	Study on particle and cluster decay of superheavy nuclei Z = 130–144 using Cubic plus Proximity potential with improved transfer matrix method. <i>International Journal of Modern Physics E</i> , 2019, 28, 1950051.	0.4	8
105	Cross-linked chitosan/hydroxylated boron nitride nanocomposites for co-delivery of curcumin and 5-fluorouracil towards human colon cancer cells. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 317-329.	1.2	8
106	Hydrogen discharge on electrodeposited Ni-Mn-Fe coatings in 30 wt-% KOH. <i>International Journal of Hydrogen Energy</i> , 1999, 24, 1059-1066.	3.8	7
107	Synthesis, characterization, optical and sensing property of manganese oxide nanoparticles. , 2014, , .		7
108	Visible light driven photocatalytic degradation of methylene blue using novel camphor sulfonic acid doped polycarbazole/g-C ₃ N ₄ nanocomposite. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	7

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109	Tunable poly(o-anisidine)/carbon nanotubes nanocomposites as an electrochemical sensor for the detection of an anthelmintic drug mebendazole. <i>Polymer Bulletin</i> , 2018, 75, 3127-3147.	1.7	7
110	Investigation of natural background radiation of sediments in Rameswaram Island, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	7
111	Photocatalytic and biological properties of porous titanium aminophosphate. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1791-1807.	1.6	7
112	Mineralogical influence over the presence of primordial radionuclide along the industrial corridor of northern coastal region of Chennai. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 117-133.	0.7	7
113	Microstructure of Electrodeposited Ni-Mn Coatings. <i>Transactions of the Institute of Metal Finishing</i> , 1998, 76, 111-113.	0.6	6
114	Mosaic GaAs crystals for hard x-ray astronomy. <i>Proceedings of SPIE</i> , 2008, , .	0.8	6
115	Hydrothermal Synthesis of Lead Sulphide Nanoparticles and their Electrochemical Sensing Property. <i>Advanced Materials Research</i> , 0, 584, 276-279.	0.3	6
116	Synthesis, Characterization and Electrochemical Sensing Property of Fe-Fe₂O₃ Nanocomposite. <i>Advanced Materials Research</i> , 0, 584, 263-266.	0.3	6
117	Synthesis of Cadmium Oxide and its Electrochemical Detection of Pollutants. <i>Advanced Materials Research</i> , 0, 678, 369-372.	0.3	6
118	Synthesis of chitosan supported palladium nanoparticles and its catalytic activity towards 2-nitrophenol reduction. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	6
119	The variability in Oxford hip and knee scores in the preoperative period: is there an ideal time to score?. <i>Annals of the Royal College of Surgeons of England</i> , 2018, 100, 16-20.	0.3	6
120	Evanescent wave optical fibre ammonia sensor with methylamine hydroiodide. <i>IET Optoelectronics</i> , 2020, 14, 292-295.	1.8	6
121	2D ACPAR Facility at University of Madras. <i>Materials Science Forum</i> , 1994, 175-178, 975-979.	0.3	5
122	Effect of Iron Oxide on Ionic Conductivity of Polyindole Based Composite Polymer Electrolytes. <i>Advanced Materials Research</i> , 2012, 584, 536-540.	0.3	5
123	Electrochemical sensing behaviour of Ni doped Fe ₃ O ₄ nanoparticles. , 2014, , .		5
124	Cytotoxicity and Antimicrobial Studies of Silver Nanoparticles Synthesized Using <i>Psidium guajava</i> L. Extract. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 426-432.	0.6	5
125	Seasonal observation on radionuclide concentration in Krusadai Island Mangroves, Gulf of Mannar, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 1277-1288.	0.7	5
126	Hydrothermal Synthesis and Characterization of Cobalt Doped Fe_2O_3 . , 2010, , .		4

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127	Molybdenum oxide nanocubes: Synthesis and characterizations. AIP Conference Proceedings, 2015, , .	0.3	4
128	Influence of geochemical variation and heavy mineral component on primordial radionuclide presence in Tamiraparani River sediments. Environmental Earth Sciences, 2017, 76, 1.	1.3	4
129	Synthesis of Ni _{0.2} Fe _{1.8} O ₃ /polyaniline magnetic nanocomposite with excellent photocatalytic activity. Materials Letters, 2017, 208, 27-30.	1.3	4
130	Biological Evolution of New Intercalated Layered Double Hydroxides: Anticancer, Antibacterial and Photocatalytic Studies. ChemistrySelect, 2017, 2, 11717-11726.	0.7	4
131	Plasmon induced photoluminescent emission from PED Ag-In alloy. Research on Chemical Intermediates, 2020, 46, 3383-3396.	1.3	4
132	Synthesis of silver nanoparticles using Cynodon dactylon plant extract and evaluation of their antimicrobial activities and cytotoxicity. , 2011, , .		3
133	Double dumbbell shaped AgNi alloy by pulsed electrodeposition. , 2014, , .		3
134	Synthesis, Characterization and Electro catalytic activity of CuO-TiO ₂ . Materials Today: Proceedings, 2018, 5, 8804-8807.	0.9	3
135	Catalytic activity of Bismuth Titanate. Materials Today: Proceedings, 2019, 14, 553-557.	0.9	3
136	CS/Au/MWCNT nanohybrid as an efficient carrier for the sustained release of 5-FU and a study of its cytotoxicity on MCF-7. RSC Advances, 2021, 11, 4584-4592.	1.7	3
137	Designing methanol tolerant Pt islands at Pd on carbon promoting electrocatalytic oxygen reduction reaction in acidic media. Ionics, 2022, 28, 1347-1357.	1.2	3
138	Positron angular correlation studies on rare earth substituted 123 compounds. Journal of Physics and Chemistry of Solids, 1991, 52, 1591-1594.	1.9	2
139	Preparation and characterization of Hg doped ZnO nanorods. , 2011, , .		2
140	Synthesis & characterization of Bi _{7.38} Ce _{0.62} O _{12.3} and its optical and electrocatalytic property. AIP Conference Proceedings, 2017, , .	0.3	2
141	Manganese-doped hematite nanoplates with enhanced and non-enzymatic electrochemical sensing performance. Inorganic and Nano-Metal Chemistry, 2017, 47, 450-455.	0.9	2
142	Catalytic behavior of magnetic Ni-Zn alloy. Research on Chemical Intermediates, 2018, 44, 4149-4161.	1.3	2
143	Photocatalytic activity and optical properties of Cd ₂ SnO ₄ nanospheres. Materials Today: Proceedings, 2018, 5, 8956-8960.	0.9	2
144	Effect of Co-deposited $\hat{1}$ Co(HCP) and $\hat{2}$ Co(FCC) on magnetic property of Co-Ni soft magnet film prepared by Pulsed Electrodeposition. Materials Today: Proceedings, 2018, 5, 8761-8767.	0.9	2

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145	Electrochemical Behavior of Palladium Nickel Catalyst. Materials Today: Proceedings, 2018, 5, 8946-8949.	0.9	2
146	Preparation, Characterization and Enhanced photocatalytic degradation of Organic pollutants using Layered Double Hydroxides. Materials Today: Proceedings, 2018, 5, 8981-8985.	0.9	2
147	Effect of Dendritic Cu-In Alloy on Cr(VI) Reduction Synthesized via Pulsed Electrodeposition. ChemistrySelect, 2018, 3, 12613-12619.	0.7	2
148	Pseudocapacitive polycarbazole/Ag ₂ O nanocomposite for supercapacitor applications. AIP Conference Proceedings, 2019, , .	0.3	2
149	A systematic study on β -decay chains of superheavy nuclei, Z = 126 & 138. International Journal of Modern Physics E, 2020, 29, 2050034.	0.4	2
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