

Stephen Arumainathan

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papers

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85
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178
ext. papers

8,252
ext. citations

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avg. IF

6.22
L-index

#	Paper	IF	Citations
162	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, 91-8	8.3	808
161	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	9.3	516
160	ZnO/Ag nanocomposite: an efficient catalyst for degradation studies of textile effluents under visible light. <i>Materials Science and Engineering C</i> , 2013 , 33, 2235-44	8.3	481
159	Ce(3+)-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. <i>Scientific Reports</i> , 2016 , 6, 31641	4.9	435
158	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, 4725-31	8.3	422
157	The photocatalytic activity of ZnO prepared by simple thermal decomposition method at various temperatures. <i>Journal of Molecular Liquids</i> , 2013 , 177, 394-401	6	413
156	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	3.7	393
155	Visible light degradation of textile effluent using novel catalyst ZnO/Mn ₂ O ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1910-1917	5.3	308
154	Comparative study on photocatalytic activity of ZnO prepared by different methods. <i>Journal of Molecular Liquids</i> , 2013 , 181, 133-141	6	291
153	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	6	283
152	ZnO/CdO composite nanorods for photocatalytic degradation of methylene blue under visible light. <i>Materials Chemistry and Physics</i> , 2011 , 125, 277-280	4.4	204
151	ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. <i>Journal of Molecular Liquids</i> , 2015 , 209, 374-380	6	142
150	Synthesis and characterization of chitosan-silver nanocomposite. <i>Applied Nanoscience (Switzerland)</i> , 2012 , 2, 299-303	3.3	122
149	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	4.4	119
148	Pulsed electrodeposition of nanocrystalline Cu-Ni alloy films and evaluation of their characteristic properties. <i>Materials Letters</i> , 2006 , 60, 1990-1995	3.3	99
147	Visible light induced degradation of methyl orange using Ag _{0.333} V ₂ O ₅ nanorod catalysts by facile thermal decomposition method. <i>Journal of Saudi Chemical Society</i> , 2015 , 19, 521-527	4.3	97
146	Cytotoxicity and antimicrobial activities of green synthesized silver nanoparticles. <i>European Journal of Medicinal Chemistry</i> , 2014 , 76, 256-63	6.8	95

145	Formation of electroless NiB coatings using low temperature bath and evaluation of their characteristic properties. <i>Surface and Coatings Technology</i> , 2006 , 200, 6888-6894	4.4	95
144	Electroless NiCoB ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2003 , 172, 298-307	4.4	91
143	Fabrication of NiFe ₂ O ₃ magnetic nanorods and application to the detection of uric acid. <i>RSC Advances</i> , 2014 , 4, 17146	3.7	80
142	Tailoring the electrical and dielectric properties of ZnO nanorods by substitution. <i>Journal of Molecular Liquids</i> , 2014 , 193, 160-165	6	73
141	Doping of Co into V ₂ O ₅ nanoparticles enhances photodegradation of methylene blue. <i>Journal of Alloys and Compounds</i> , 2014 , 598, 151-160	5.7	66
140	Preparation and characterization of cross-linked chitosan/palladium nanocomposites for catalytic and antibacterial activity. <i>Journal of Molecular Liquids</i> , 2018 , 257, 32-41	6	65
139	An in vitro cytotoxicity study of 5-fluorouracil encapsulated chitosan/gold nanocomposites towards MCF-7 cells. <i>RSC Advances</i> , 2015 , 5, 1024-1032	3.7	63
138	Basic Principles, Mechanism, and Challenges of Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017 , 19-40	0.9	62
137	New electrochemical sensor based on Ni-doped V ₂ O 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	8.5	60
136	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	3.9	59
135	Line defect Ce ³⁺ induced Ag/CeO ₂ /ZnO nanostructure for visible-light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 499-506	4.7	59
134	EMoO ₃ /polyaniline composite for effective scavenging of Rhodamine B, Congo red and textile dye effluent. <i>RSC Advances</i> , 2016 , 6, 28871-28886	3.7	54
133	Electroless NiCoB ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2004 , 179, 56-62	4.4	50
132	Facile synthesis of cobalt doped hematite nanospheres: Magnetic and their electrochemical sensing properties. <i>Materials Chemistry and Physics</i> , 2012 , 134, 590-596	4.4	49
131	Highly active graphene-supported palladium-nickel alloy nanoparticles for catalytic reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2018 , 449, 764-771	6.7	47
130	Spectroscopic investigations, antimicrobial, and cytotoxic activity of green synthesized gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 129, 484-90	4.4	39
129	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	2.4	39
128	Synthesis, structure stability and magnetic properties of nanocrystalline AgNi alloy. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	36

127	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	8.3	34
126	Preparation and characterization of polyindole/ZnO composite polymer electrolyte with LiClO ₄ . <i>Ionics</i> , 2010 , 16, 839-848	2.7	33
125	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, 579-91	8.3	32
124	Effect of phosphorus on magnetic property of Ni ₃ P alloy synthesized using pulsed electrodeposition. <i>Materials Chemistry and Physics</i> , 2015 , 166, 153-159	4.4	32
123	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	8.3	32
122	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, 242-50	4.4	31
121	Preparation and Characterization of Polyindole/Iron Oxide Composite Polymer Electrolyte Containing LiClO ₄ . <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 225-230		31
120	Fabrication of neurotransmitter dopamine electrochemical sensor based on poly(o-anisidine)/CNTs nanocomposite. <i>Surfaces and Interfaces</i> , 2016 , 4, 27-34	4.1	30
119	Synthesis of Co ²⁺ -doped Fe ₂ O ₃ photocatalyst for degradation of pararosaniline dye. <i>Solid State Sciences</i> , 2017 , 68, 39-46	3.4	29
118	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	3.3	28
117	Polyindole/TiO ₂ composite polymer electrolyte containing LiClO ₄ for lithium ion polymer batteries. <i>Polymer Bulletin</i> , 2012 , 68, 181-196	2.4	28
116	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	3	28
115	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	3.9	26
114	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	5.7	26
113	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	4.7	26
112	Acetone sensing behaviour of optical fiber clad-modified with E ₆ CuBr nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2018 , 88, 181-185	4.3	22
111	Photocatalytic Degradation of Organic Dyes Using ZnO/CeO ₂ Nanocomposite Material under Visible Light. <i>Advanced Materials Research</i> , 2012 , 584, 381-385	0.5	22
110	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		20

109	Visible light degradation of textile effluent by electrodeposited multiphase CuInSe ₂ semiconductor photocatalysts. <i>Journal of Molecular Liquids</i> , 2017 , 227, 194-201	6	19
108	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	8.3	19
107	Fabrication of iron oxide nanoparticles: magnetic and electrochemical sensing property. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1256-1263	2.1	18
106	Chitosan stabilized Ag-Au nanoalloy for colorimetric sensing and 5-Fluorouracil delivery. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 862-872	7.9	18
105	Synthesis, characterization and photocatalytic activity of nanotitania loaded W-MCM-41. <i>Nanotechnology</i> , 2008 , 19, 315711	3.4	18
104	Cadmium oxide nanoplatelets: synthesis, characterization and their electrochemical sensing property of catechol. <i>Journal of the Iranian Chemical Society</i> , 2013 , 10, 771-776	2	17
103	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	5.1	17
102	Structural and magnetic investigations on metastable Ag ₃ Fe nanophase alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 557, 172-178	5.7	17
101	PHOTOCATALYTIC DEGRADATION OF ORGANIC DYE USING NANO ZnO. <i>International Journal of Nanoscience</i> , 2011 , 10, 253-257	0.6	17
100	Facile solvothermal decomposition synthesis of single phase ZnBi ₃ 8O ₆ 0 nanobundles for sensitive detection of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 7020-7027	3.6	16
99	Fe ₂ O ₃ nanoflowers: synthesis, characterization, electrochemical sensing and photocatalytic property. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 645-652	2	16
98	Microstructure analysis of the ferromagnetic Ag ₃ Ni system synthesized by pulsed electrodeposition. <i>Applied Surface Science</i> , 2012 , 258, 3126-3132	6.7	16
97	Corrosion resistance of electroless Ni _{100-x} B coatings. <i>Transactions of the Institute of Metal Finishing</i> , 2009 , 87, 221-224	1.3	16
96	Induced ordering in electrodeposited nanocrystalline Ni _{100-x} Mn alloys. <i>Journal of Applied Physics</i> , 2008 , 103, 053511	2.5	16
95	Studies on the growth and characterization of l-argininium formate single crystals. <i>Journal of Crystal Growth</i> , 2004 , 267, 619-623	1.6	16
94	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	2.4	16
93	Dendritic Ag ₃ Fe nanocrystalline alloy synthesized by pulsed electrodeposition and its characterization. <i>Applied Surface Science</i> , 2014 , 316, 491-496	6.7	15
92	Luminescent chitosan/carbon dots as an effective nano-drug carrier for neurodegenerative diseases.. <i>RSC Advances</i> , 2020 , 10, 24386-24396	3.7	14

91	Aqueous based synthesis of Cu ₅ Se ₄ nanosheets and characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1888-1894	2.1	14
90	Recent advances in polymer supporting layered double hydroxides nanocomposite for electrochemical biosensors. <i>Materials Research Express</i> , 2018 , 5, 014011	1.7	13
89	Synthesis and characterization of GaN/PEDOT/PY nanocomposites and its photocatalytic activity and electrochemical detection of mebendazole. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 3565-3575	5.9	13
88	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	2.1	13
87	Magnetic anisotropy studies on pulsed electrodeposited Ni/Ag/Ni trilayer. <i>Applied Surface Science</i> , 2014 , 313, 698-703	6.7	12
86	Fe ₂ O ₃ @polyaniline nanocomposite: Characterization and unusual sensing property. <i>Materials Letters</i> , 2014 , 128, 369-372	3.3	12
85	Magnetization behaviour of electrodeposited Ni/Mn alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 55, 184-186	3.1	12
84	Homo and hetero epitaxy of Germanium using isobutylgermane. <i>Thin Solid Films</i> , 2008 , 517, 404-406	2.2	12
83	Magnetic properties of electrodeposited nickel-manganese alloys: Effect of Ni/Mn bath ratio. <i>Journal of Applied Electrochemistry</i> , 2000 , 30, 1313-1316	2.6	12
82	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	2.1	11
81	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	2.1	11
80	Corrosion behaviour of electrodeposited Ni-Mn alloys - electrochemical impedance measurements. <i>Anti-Corrosion Methods and Materials</i> , 1999 , 46, 117-121	0.8	11
79	Poly(anthranilic acid) Microspheres: Synthesis, Characterization and their Electrocatalytic Properties. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 1919-1924	1.2	11
78	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	8.3	10
77	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	1.5	10
76	Visible light photocatalytic property of Zn doped V ₂ O ₅ nanoparticles 2012 ,		10
75	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	2.4	10
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	3.7	10

73	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	2.1	9
72	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	2.8	9
71	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	2.6	9
70	Investigating the photocatalytic degradation property of Pt, Pd and Ni nanoparticles-loaded TiO nanotubes powder prepared via rapid breakdown anodization. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 2994-3005	2.6	9
69	Synthesis and Characterization of Nano-Titania Photocatalyst Loaded on Mo-MCM-41 Support. <i>Advanced Science Letters</i> , 2011 , 4, 89-95	0.1	9
68	PdCo alloy as an efficient recyclable catalyst for the reduction of hazardous 4-nitrophenol. <i>Research on Chemical Intermediates</i> , 2019 , 45, 815-832	2.8	9
67	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	4.5	8
66	Solid state synthesis of copper tungstate nanoparticles and its electrochemical detection of 4-chlorophenol 2014 ,		7
65	Electrochemical sensing property of Mn doped Fe ₃ O ₄ nanoparticles 2013 ,		7
64	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	4.3	7
63	Phosphorus role on the enhancement in catalytic activity of magnetic Ni-P alloy. <i>Surfaces and Interfaces</i> , 2017 , 7, 58-68	4.1	6
62	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	0.7	6
61	Influence of Sn on the magnetic ordering of Ni ₃ Sn alloy synthesized using chemical reduction method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 406, 103-109	2.8	6
60	Synthesis, characterization, optical and sensing property of manganese oxide nanoparticles 2014 ,		6
59	Hydrogen discharge on electrodeposited NiMnBe coatings in 30 w/o koh. <i>International Journal of Hydrogen Energy</i> , 1999 , 24, 1059-1066	6.7	6
58	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		6
57	Investigation of natural background radiation of sediments in Rameswaram Island, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	6
56	Visible light driven photocatalytic degradation of methylene blue using novel camphor sulfonic acid doped polycarbazole/g-C ₃ N ₄ nanocomposite 2018 ,		5

55	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	2.4	5
54	Hydrothermal Synthesis of Lead Sulphide Nanoparticles and their Electrochemical Sensing Property. <i>Advanced Materials Research</i> , 2012 , 584, 276-279	0.5	5
53	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	3.3	5
52	Influence of geochemical variation and heavy mineral component on primordial radionuclide presence in Tamiraparani River sediments. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	4
51	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	1.4	4
50	Photocatalytic and biological properties of porous titanium aminophosphate. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1791-1807	3.3	4
49	Electrochemical sensing behaviour of Ni doped Fe ₃ O ₄ nanoparticles 2014 ,		4
48	Synthesis, Characterization and Electrochemical Sensing Property of Fe-Fe ₂ O ₃ Nanocomposite. <i>Advanced Materials Research</i> , 2012 , 584, 263-266	0.5	4
47	Hydrothermal Synthesis and Characterization of Cobalt Doped Fe ₂ O ₃ 2010 ,		4
46	Effect of Iron Oxide on Ionic Conductivity of Polyindole Based Composite Polymer Electrolytes. <i>Advanced Materials Research</i> , 2012 , 584, 536-540	0.5	4
45	Mosaic GaAs crystals for hard x-ray astronomy 2008 ,		4
44	Microstructure of Electrodeposited Ni-Mn Coatings. <i>Transactions of the Institute of Metal Finishing</i> , 1998 , 76, 111-113	1.3	4
43	2D ACPAR Facility at University of Madras. <i>Materials Science Forum</i> , 1994 , 175-178, 975-979	0.4	4
42	Synthesis of chitosan supported palladium nanoparticles and its catalytic activity towards 2-nitrophenol reduction 2016 ,		4
41	Synthesis of Ni _{0.2} Fe _{1.8} O ₃ /polyaniline magnetic nanocomposite with excellent photocatalytic activity. <i>Materials Letters</i> , 2017 , 208, 27-30	3.3	3
40	Cytotoxicity and Antimicrobial Studies of Silver Nanoparticles Synthesized Using Psidium guajava L. Extract. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015 , 45, 426-432		3
39	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	1.5	3
38	Double dumbbell shaped AgNi alloy by pulsed electrodeposition 2014 ,		3

37	Biological Evolution of New Intercalated Layered Double Hydroxides: Anticancer, Antibacterial and Photocatalytic Studies. <i>ChemistrySelect</i> , 2017 , 2, 11717-11726	1.8	3
36	Molybdenum oxide nanocubes: Synthesis and characterizations 2015 ,		3
35	Plasmon induced photoluminescent emission from PED Ag ₁₃ In alloy. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3383-3396	2.8	3
34	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	1.5	3
33	Catalytic activity of Bismuth Titanate. <i>Materials Today: Proceedings</i> , 2019 , 14, 553-557	1.4	2
32	Catalytic behavior of magnetic Ni ₇₀ Zn alloy. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4149-4161	2.8	2
31	Effect of Co-deposited Co(HCP) and Co(FCC) on magnetic property of Co-Ni soft magnet film prepared by Pulsed Electrodeposition. <i>Materials Today: Proceedings</i> , 2018 , 5, 8761-8767	1.4	2
30	Electrochemical Behavior of Palladium Nickel Catalyst. <i>Materials Today: Proceedings</i> , 2018 , 5, 8946-8949	1.4	2
29	Preparation, Characterization and Enhanced photocatalytic degradation of Organic pollutants using Layered Double Hydroxides. <i>Materials Today: Proceedings</i> , 2018 , 5, 8981-8985	1.4	2
28	Manganese-doped hematite nanoplates with enhanced and non-enzymatic electrochemical sensing performance. <i>Inorganic and Nano-Metal Chemistry</i> , 2017 , 47, 450-455	1.2	2
27	Synthesis of Cadmium Oxide and its Electrochemical Detection of Pollutants. <i>Advanced Materials Research</i> , 2013 , 678, 369-372	0.5	2
26	Synthesis of silver nanoparticles using Cynodon dactylon plant extract and evaluation of their antimicrobial activities and cytotoxicity 2011 ,		2
25	Preparation and characterization of Hg doped ZnO nanorods 2011 ,		2
24	Positron angular correlation studies on rare earth substituted 123 compounds. <i>Journal of Physics and Chemistry of Solids</i> , 1991 , 52, 1591-1594	3.9	2
23	Evanescence wave optical fibre ammonia sensor with methylamine hydroiodide. <i>IET Optoelectronics</i> , 2020 , 14, 292-295	1.5	2
22	Synthesis, Characterization and Electro catalytic activity of CuO-TiO ₂ . <i>Materials Today: Proceedings</i> , 2018 , 5, 8804-8807	1.4	2
21	Effect of Dendritic Cu ₁₃ In Alloy on Cr(VI) Reduction Synthesized via Pulsed Electrodeposition. <i>ChemistrySelect</i> , 2018 , 3, 12613-12619	1.8	2
20	Role of Cu layer thickness on the magnetic anisotropy of pulsed electrodeposited Ni/Cu/Ni tri-layer. <i>Materials Research Express</i> , 2017 , 4, 075040	1.7	1

19	Synthesis, characterization and electrochemical sensing properties of Fe doped V2O5 nanoparticles 2011,		1
18	Preparation And Study Of Electrodeposited Silver-Nickel Binary System 2011,		1
17	PHOTOCATALYTIC DEGRADATION OF AQUEOUS METHYL ORANGE USING NANOTITANIA LOADED Mo-MCM-41. <i>International Journal of Nanoscience</i> , 2011 , 10, 1131-1135	0.6	1
16	The dielectric properties of polyindole -Zno containing LiClO4 polymer electrolyte 2012,		1
15	Grafted Chitosan Systems for Biomedical Applications 2019 , 385-413		1
14	Synthesis and Electrochemical Activity of Carbon-Supported Trimetallic Ir ₉₅ -xPd ₅ Pt _x Nanoparticles as Bifunctional Catalysts for Oxygen Evolution/Reduction Reactions. <i>Electrocatalysis</i> , 2022 , 13, 328-337	2.7	1
13	Photocatalytic activity and optical properties of Cd ₂ SnO ₄ nanospheres. <i>Materials Today: Proceedings</i> , 2018 , 5, 8956-8960	1.4	0
12	Designing methanol tolerant Pt islands at Pd on carbon promoting electrocatalytic oxygen reduction reaction in acidic media. <i>Ionics</i> , 2022 , 28, 1347	2.7	0
11	CS/Au/MWCNT nanohybrid as an efficient carrier for the sustained release of 5-FU and a study of its cytotoxicity on MCF-7.. <i>RSC Advances</i> , 2021 , 11, 4584-4592	3.7	0
10	Structure and Magnetic Properties of Pulsed Electrodeposited NickelIndium Alloy. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000563	1.3	0
9	Electrocatalytic activity of C-dots for highly sensitive detection of Uric acid. <i>Materials Today: Proceedings</i> , 2019 , 14, 545-552	1.4	
8	Effect of Sensitization on Electroless Nickel Plating of MoS ₂ Nanoparticles. <i>Powder Metallurgy and Metal Ceramics</i> , 2019 , 57, 703-708	0.8	
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