

Stephen Arumainathan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

7,583
citations

35
h-index

85
g-index

178
ext. papers

8,252
ext. citations

3.3
avg, IF

6.22
L-index

#	Paper	IF	Citations
162	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
161	Synthesis and Electrochemical Activity of Carbon-Supported Trimetallic Ir ₉₅ -xPd ₅ Ptx Nanoparticles as Bifunctional Catalysts for Oxygen Evolution/Reduction Reactions. <i>Electrocatalysis</i> , 2022 , 13, 328-337	2.7	1
160	Role of Temperature in the Alpha Decay Studies of Heavy and Superheavy Nuclei. <i>Brazilian Journal of Physics</i> , 2021 , 51, 1810-1822	1.2	
159	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	2.2	6
158	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
157	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
156	Structure and Magnetic Properties of Pulsed Electrodeposited NickelIridium Alloy. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000563	1.3	0
155	A systematic study on α decay chains of superheavy nuclei, Z = 126 & 138. <i>International Journal of Modern Physics E</i> , 2020 , 29, 2050034	0.7	
154	Luminescent chitosan/carbon dots as an effective nano-drug carrier for neurodegenerative diseases.. <i>RSC Advances</i> , 2020 , 10, 24386-24396	3.7	14
153	Evanescent wave optical fibre ammonia sensor with methylamine hydroiodide. <i>IET Optoelectronics</i> , 2020 , 14, 292-295	1.5	2
152	Plasmon induced photoluminescent emission from PED AgIh alloy. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3383-3396	2.8	3
151	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
150	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
149	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
148	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
147	Catalytic activity of Bismuth Titanate. <i>Materials Today: Proceedings</i> , 2019 , 14, 553-557	1.4	2
146	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

145	Electrocatalytic activity of C-dots for highly sensitive detection of Uric acid. <i>Materials Today: Proceedings</i> , 2019 , 14, 545-552	1.4	
144	Effect of Sensitization on Electroless Nickel Plating of MoS ₂ Nanoparticles. <i>Powder Metallurgy and Metal Ceramics</i> , 2019 , 57, 703-708	0.8	
143	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
142	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
141	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
140	Effect of Sensitization on Electroless Nickel Plating of MoS ₂ Nanoparticles. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2019 , 623-631	0.3	
139	Grafted Chitosan Systems for Biomedical Applications 2019 , 385-413		1
138	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
137	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	2.8	9
136	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
135	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
134	Synthesis and characterization of GaN/PEDOT—BPY nanocomposites and its photocatalytic activity and electrochemical detection of mebendazole. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 3565-3575	5.9	13
133	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
132	Catalytic behavior of magnetic Ni—Zn alloy. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4149-4161	2.8	2
131	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
130	Photocatalytic activity and optical properties of Cd ₂ SnO ₄ nanospheres. <i>Materials Today: Proceedings</i> , 2018 , 5, 8956-8960	1.4	0
129	Visible light driven photocatalytic degradation of methylene blue using novel camphor sulfonic acid doped polycarbazole/g-C ₃ N ₄ nanocomposite 2018 ,		5
128	Effect of Co-deposited Fe(HCP) and Fe(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

127	Electrochemical Behavior of Palladium Nickel Catalyst. <i>Materials Today: Proceedings</i> , 2018 , 5, 8946-8949	1.4	2
126	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
125	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
124	Recent advances in polymer supporting layered double hydroxides nanocomposite for electrochemical biosensors. <i>Materials Research Express</i> , 2018 , 5, 014011	1.7	13
123	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
122	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	2.6	9
121	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
120	Photocatalytic and biological properties of porous titanium aminophosphate. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1791-1807	3.3	4
119	Acetone sensing behaviour of optical fiber clad-modified with CuBr nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2018 , 88, 181-185	4.3	22
118	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
117	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
116	Synthesis, Characterization and Electro catalytic activity of CuO-TiO ₂ . <i>Materials Today: Proceedings</i> , 2018 , 5, 8804-8807	1.4	2
115	Effect of Dendritic CuIn Alloy on Cr(VI) Reduction Synthesized via Pulsed Electrodeposition. <i>ChemistrySelect</i> , 2018 , 3, 12613-12619	1.8	2
114	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
113	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
112	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
111	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
110	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

109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	Basic Principles, Mechanism, and Challenges of Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017 , 19-40	0.9	62
101	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
100	Facile solvothermal decomposition synthesis of single phase ZnBi ₃ 8O ₆ nanobundles for sensitive detection of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 7020-7027	3.6	16
99	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
98	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
97	Biological Evolution of New Intercalated Layered Double Hydroxides: Anticancer, Antibacterial and Photocatalytic Studies. <i>ChemistrySelect</i> , 2017 , 2, 11717-11726	1.8	3
96	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
95	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
94	BiMoO 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
93	Influence of Sn on the magnetic ordering of Ni ₈ Sn alloy synthesized using chemical reduction method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 406, 103-109	2.8	6
92	Synthesis of chitosan supported palladium nanoparticles and its catalytic activity towards 2-nitrophenol reduction 2016 ,		4

91	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
90	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
89	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
88	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
87	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
86	Visible light induced degradation of methyl orange using $\text{Ag}_0.333\text{V}_2\text{O}_5$ nanorod catalysts by facile thermal decomposition method. <i>Journal of Saudi Chemical Society</i> , 2015 , 19, 521-527	4.3	97
85	ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. <i>Journal of Molecular Liquids</i> , 2015 , 209, 374-380	6	142
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	Molybdenum oxide nanocubes: Synthesis and characterizations 2015 ,		3
76	Cytotoxicity and antimicrobial activities of green synthesized silver nanoparticles. <i>European Journal of Medicinal Chemistry</i> , 2014 , 76, 256-63	6.8	95
75	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
74	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

73	Visible light degradation of textile effluent using novel catalyst ZnO/FeMn ₂ O ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1910-1917	5.3	308
72	Dendritic Ag/Fe nanocrystalline alloy synthesized by pulsed electrodeposition and its characterization. <i>Applied Surface Science</i> , 2014 , 316, 491-496	6.7	15
71	Magnetic anisotropy studies on pulsed electrodeposited Ni/Ag/Ni trilayer. <i>Applied Surface Science</i> , 2014 , 313, 698-703	6.7	12
70	Fabrication of Ni/Fe ₂ O ₃ magnetic nanorods and application to the detection of uric acid. <i>RSC Advances</i> , 2014 , 4, 17146	3.7	80
69	Tailoring the electrical and dielectric properties of ZnO nanorods by substitution. <i>Journal of Molecular Liquids</i> , 2014 , 193, 160-165	6	73
68	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
67	Electrochemical sensing behaviour of Ni doped Fe ₃ O ₄ nanoparticles 2014 ,		4
66	Synthesis, characterization, optical and sensing property of manganese oxide nanoparticles 2014 ,		6
65	Double dumbbell shaped Ag/Ni alloy by pulsed electrodeposition 2014 ,		3
64	Solid state synthesis of copper tungstate nanoparticles and its electrochemical detection of 4-chlorophenol 2014 ,		7
63	Fe ₂ O ₃ @polyaniline nanocomposite: Characterization and unusual sensing property. <i>Materials Letters</i> , 2014 , 128, 369-372	3.3	12
62	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
61	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
60	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
59	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
58	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
57	Comparative study on photocatalytic activity of ZnO prepared by different methods. <i>Journal of Molecular Liquids</i> , 2013 , 181, 133-141	6	291
56	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

55	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
54	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
53	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
52	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
51	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
50	Co-Ag Nanomaterial Synthesis, Structure and Magnetic Properties. <i>Advanced Materials Research</i> , 2013 , 678, 3-6	0.5	
49	Synthesis of Cadmium Oxide and its Electrochemical Detection of Pollutants. <i>Advanced Materials Research</i> , 2013 , 678, 369-372	0.5	2
48	Fe ₂ O ₃ and V ₂ O ₅ Nanoparticles: A New Voltammetric Sensor. <i>Advanced Materials Research</i> , 2013 , 678, 331-334	0.5	
47	Electrochemical sensing property of Mn doped Fe ₃ O ₄ nanoparticles 2013 ,		7
46	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
45	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
44	Polyindole/CuO composite polymer electrolyte containing LiClO ₄ for lithium ion polymer batteries. <i>Polymer Bulletin</i> , 2012 , 68, 181-196	2.4	28
43	Synthesis and characterization of chitosan/Silver nanocomposite. <i>Applied Nanoscience (Switzerland)</i> , 2012 , 2, 299-303	3.3	122
42	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
41	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
40	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
39	Microstructure analysis of the ferromagnetic Ag/Ni system synthesized by pulsed electrodeposition. <i>Applied Surface Science</i> , 2012 , 258, 3126-3132	6.7	16
38	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

37	Synthesis, structure stability and magnetic properties of nanocrystalline Ag ₃ Ni alloy. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	36
36	Electrocatalytic Property of Nano-Fe ₃ O ₄ Modified Glassy Carbon Electrode. <i>Advanced Materials Research</i> , 2012 , 584, 272-275	0.5	
35	Visible light photocatalytic property of Zn doped V ₂ O ₅ nanoparticles 2012 ,		10
34	The dielectric properties of polyindole -Zn containing LiClO ₄ polymer electrolyte 2012 ,		1
33	Hydrothermal Synthesis of Lead Sulphide Nanoparticles and their Electrochemical Sensing Property. <i>Advanced Materials Research</i> , 2012 , 584, 276-279	0.5	5
32	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
31	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
30	Synthesis of silver nanoparticles using Cynodon dactylon plant extract and evaluation of their antimicrobial activities and cytotoxicity 2011 ,		2
29	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
28	PHOTOCATALYTIC DEGRADATION OF ORGANIC DYE USING NANO ZnO. <i>International Journal of Nanoscience</i> , 2011 , 10, 253-257	0.6	17
27	Preparation and characterization of Hg doped ZnO nanorods 2011 ,		2
26	Synthesis, characterization and electrochemical sensing properties of Fe doped V ₂ O ₅ nanoparticles 2011 ,		1
25	Preparation And Study Of Electrodeposited Silver-Nickel Binary System 2011 ,		1
24	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
23	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
22	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
21	Hydrothermal Synthesis and Characterization of Cobalt Doped Fe ₂ O ₃ 2010 ,		4
20	Preparation and characterization of polyindole/ZnO composite polymer electrolyte with LiClO ₄ . <i>Ionics</i> , 2010 , 16, 839-848	2.7	33

19	Corrosion resistance of electroless Ni ₁₀ W ₁₀ B coatings. <i>Transactions of the Institute of Metal Finishing</i> , 2009 , 87, 221-224	1.3	16
18	Induced ordering in electrodeposited nanocrystalline Ni ₅₀ Mn alloys. <i>Journal of Applied Physics</i> , 2008 , 103, 053511	2.5	16
17	Synthesis, characterization and photocatalytic activity of nanotitania loaded W-MCM-41. <i>Nanotechnology</i> , 2008 , 19, 315711	3.4	18
16	Mosaic GaAs crystals for hard x-ray astronomy 2008 ,		4
15	Homo and hetero epitaxy of Germanium using isobutylgermane. <i>Thin Solid Films</i> , 2008 , 517, 404-406	2.2	12
14	Effect of accelerators and stabilizers on the formation and characteristics of electroless Ni ₁₀ B deposits. <i>Materials Chemistry and Physics</i> , 2006 , 99, 117-126	4.4	119
13	Pulsed electrodeposition of nanocrystalline Cu ₅₀ Ni alloy films and evaluation of their characteristic properties. <i>Materials Letters</i> , 2006 , 60, 1990-1995	3.3	99
12	Formation of electroless Ni ₁₀ B coatings using low temperature bath and evaluation of their characteristic properties. <i>Surface and Coatings Technology</i> , 2006 , 200, 6888-6894	4.4	95
11	Electroless Ni ₁₀ Co ₁₀ B ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2004 , 179, 56-62	4.4	50
10	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
9	Electroless Ni ₁₀ Co ₁₀ B ternary alloy deposits: preparation and characteristics. <i>Surface and Coatings Technology</i> , 2003 , 172, 298-307	4.4	91
8	Magnetic properties of electrodeposited nickel ₅₀ manganese alloys: Effect of Ni/Mn bath ratio. <i>Journal of Applied Electrochemistry</i> , 2000 , 30, 1313-1316	2.6	12
7	Hydrogen discharge on electrodeposited Ni ₅₀ Mn ₅₀ Fe coatings in 30 w/o koh. <i>International Journal of Hydrogen Energy</i> , 1999 , 24, 1059-1066	6.7	6
6	Corrosion behaviour of electrodeposited Ni-Mn alloys - electrochemical impedance measurements. <i>Anti-Corrosion Methods and Materials</i> , 1999 , 46, 117-121	0.8	11
5	Magnetization behaviour of electrodeposited Ni ₅₀ Mn alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 55, 184-186	3.1	12
4	Microstructure of Electrodeposited Ni-Mn Coatings. <i>Transactions of the Institute of Metal Finishing</i> , 1998 , 76, 111-113	1.3	4
3	2D ACPAR Facility at University of Madras. <i>Materials Science Forum</i> , 1994 , 175-178, 975-979	0.4	4
2	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

- 1 Peltophorum pterocarpum-derived microporous activated carbon conjugated with polycarbazole for synergistic performance in supercapacitor application. *Ionics*,1 2.7