Vengidusamy Narayanan

List of Publications by Year
in descending order

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174 papers	6,251 citations	117453 34 h-index	74018 75 g-index
176 all docs	176 docs citations	176 times ranked	7027 citing authors

#	Article	IF	Citations
1	Enhanced photocatalytic activity of ZnO/CuO nanocomposite for the degradation of textile dye on visible light illumination. Materials Science and Engineering C, 2013, 33, 91-98.	3.8	923
2	ZnO/Ag/CdO nanocomposite for visible light-induced photocatalytic degradation of industrial textile effluents. Journal of Colloid and Interface Science, 2015, 452, 126-133.	5.0	579
3	The photocatalytic activity of ZnO prepared by simple thermal decomposition method at various temperatures. Journal of Molecular Liquids, 2013, 177, 394-401.	2.3	459
4	ZnO/Ag/Mn₂O₃ nanocomposite for visible light-induced industrial textile effluent degradation, uric acid and ascorbic acid sensing and antimicrobial activity. RSC Advances, 2015, 5, 34645-34651.	1.7	426
5	Synthesis, characterization and photocatalytic activity of novel Hg doped ZnO nanorods prepared by thermal decomposition method. Journal of Molecular Liquids, 2013, 178, 88-93.	2.3	296
6	ZnO/CdO composite nanorods for photocatalytic degradation of methylene blue under visible light. Materials Chemistry and Physics, 2011, 125, 277-280.	2.0	239
7	Synthesis and characterization of chitosanâ€“silver nanocomposite. Applied Nanoscience (Switzerland), 2012, 2, 299-303.	1.6	175
8	Cytotoxicity and antimicrobial activities of green synthesized silver nanoparticles. European Journal of Medicinal Chemistry, 2014, 76, 256-263.	2.6	110
9	Fabrication of Niâ€“Fe2O3 magnetic nanorods and application to the detection of uric acid. RSC Advances, 2014, 4, 17146.	1.7	103
10	Synthesis, characterization, and antimicrobial activities of nickel(II) and copper(II) Schiff-base complexes. Journal of Coordination Chemistry, 2010, 63, 136-146.	0.8	88
11	Burningâ€rate enhancement of a highâ€energy rocket composite solid propellant based on ferroceneâ€grafted hydroxylâ€terminated polybutadiene binder. Journal of Applied Polymer Science, 2011, 119, 2517-2524.	1.3	88
12	An in vitro cytotoxicity study of 5-fluorouracil encapsulated chitosan/gold nanocomposites towards MCF-7 cells. RSC Advances, 2015, 5, 1024-1032.	1.7	83
13	Comparative studies of chitosan and its nanoparticles for the adsorption efficiency of various dyes. International Journal of Biological Macromolecules, 2017, 104, 1449-1458.	3.6	79
14	Nanomolar determination of 4-nitrophenol based on a poly(methylene blue)-modified glassy carbon electrode. Analyst, The, 2013, 138, 5811.	1.7	75
15	Synthesis and characterization of ZnO and Ni doped ZnO nanorods by thermal decomposition method for spintronics application. Materials Characterization, 2012, 67, 10-16.	1.9	72
16	Î±-MoO₃/polyaniline composite for effective scavenging of Rhodamine B, Congo red and textile dye effluent. RSC Advances, 2016, 6, 28871-28886.	1.7	66
17	Facile synthesis of cobalt doped hematite nanospheres: Magnetic and their electrochemical sensing properties. Materials Chemistry and Physics, 2012, 134, 590-596.	2.0	62
18	Synthesis of copper(II) and nickel(II) complexes using compartmental ligands: X-ray, electrochemical and magnetic studies. Polyhedron, 2001, 20, 3039-3048.	1.0	61

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19	5-Fluorouracil and curcumin co-encapsulated chitosan/reduced graphene oxide nanocomposites against human colon cancer cell lines. Polymer Bulletin, 2020, 77, 213-233.	1.7	59
20	Novel unsymmetrical macrocyclic dicompartmental binuclear copper(II) complexes bearing 4- and 6-coordination sites: Electrochemical, magnetic, catalytic and antimicrobial studies. Polyhedron, 2008, 27, 2931-2938.	1.0	54
21	BiVO₄ nanoparticles: Preparation, characterization and photocatalytic activity. Cogent Chemistry, 2015, 1, 1074647.	2.5	53
22	Synthesis, electrochemical, catalytic and antimicrobial activities of novel unsymmetrical macrocyclic dicompartmental binuclear nickel(II) complexes. Polyhedron, 2008, 27, 1867-1874.	1.0	50
23	Spectroscopic investigations, antimicrobial, and cytotoxic activity of green synthesized gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 484-490.	2.0	50
24	In vitro cytotoxicity study of dual drug loaded chitosan/palladium nanocomposite towards HT-29 cancer cells. Materials Science and Engineering C, 2017, 75, 1399-1410.	3.8	49
25	Study on photoluminescence from tris-(8-hydroxyquinoline)aluminum thin films and influence of light. Applied Physics Letters, 2006, 89, 082106.	1.5	47
26	Synthesis, structure stability and magnetic properties of nanocrystalline Agâ€“Ni alloy. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	46
27	Protective effect of macrocyclic binuclear oxovanadium complex on oxidative stress in pancreas of streptozotocin induced diabetic rats. Chemico-Biological Interactions, 2004, 149, 9-21.	1.7	42
28	Manganese(III) porphyrin-encapsulated Ti,Si-mesoporous molecular sieves as heterogeneous catalysts for the epoxidation of alkenes. Applied Catalysis A: General, 2006, 314, 216-225.	2.2	42
29	Bifunctional hexagonal Ni/NiO nanostructures: influence of the coreâ€“shell phase on magnetism, electrochemical sensing of serotonin, and catalytic reduction of 4-nitrophenol. Nanoscale Advances, 2019, 1, 1531-1540.	2.2	39
30	Synthesis and spectral characterization of silver embedded chitosan matrix nanocomposite for the selective colorimetric sensing of toxic mercury. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 143, 242-250.	2.0	38
31	Investigations on the performance of poly(o-anisidine)/graphene nanocomposites for the electrochemical detection of NADH. Materials Science and Engineering C, 2015, 55, 579-591.	3.8	38
32	Synthesis of new â€˜end-offâ€™ Î¼-phenoxo and bis-Î¼-acetato tri-bridged copper(II), nickel(II) and zinc(II) complexes: Spectral, magnetic, electrochemical and catalytic studies. Polyhedron, 2006, 25, 2859-2868.	1.0	37
33	Synthesis, spectral, magnetic, electrochemical and kinetic studies of copper(II), nickel(II) and zinc(II) acetate complexes derived from phenol based â€˜end-offâ€™ ligands: Effect of p-substituents. Polyhedron, 2007, 26, 3993-4002.	1.0	37
34	Effect of macrocyclic binuclear oxovanadium complex on tissue defense system in streptozotocin-induced diabetic rats. Clinica Chimica Acta, 2004, 345, 141-150.	0.5	35
35	Catalytic oxidation of alkenes by manganese(III) porphyrin-encapsulated Al, V, Si-mesoporous molecular sieves. Inorganica Chimica Acta, 2009, 362, 1491-1500.	1.2	35
36	Sensing of picric acid with a glassy carbon electrode modified with CuS nanoparticles deposited on nitrogen-doped reduced graphene oxide. Mikrochimica Acta, 2016, 183, 2421-2430.	2.5	35

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37	Preparation and characterization of polyindoleâ€“ZnO composite polymer electrolyte with LiClO4. Ionics, 2010, 16, 839-848.	1.2	34
38	Copper vanadate nanoparticles: synthesis, characterization and its electrochemical sensing property. Journal of Materials Science: Materials in Electronics, 2014, 25, 1485-1491.	1.1	34
39	Manganese sesquioxide to trimanganese tetroxide hierarchical hollow nanostructures: effect of gadolinium on structural, thermal, optical and magnetic properties. CrystEngComm, 2015, 17, 2886-2895.	1.3	33
40	Cadmium Sulphide Nanorods: Synthesis, Characterization and their Photocatalytic Activity. Bulletin of the Korean Chemical Society, 2012, 33, 2910-2916.	1.0	33
41	Synthesis and Characterization of Polyindoleâ€“NiO-Based Composite Polymer Electrolyte with LiClO₄. International Journal of Polymeric Materials and Polymeric Biomaterials, 2011, 60, 877-892.	1.8	32
42	Polyindoleâ€“CuO composite polymer electrolyte containing LiClO4 for lithium ion polymer batteries. Polymer Bulletin, 2012, 68, 181-196.	1.7	32
43	Synthesis and characterization of chromium(III) Schiff base complexes: Antimicrobial activity and its electrocatalytic sensing ability of catechol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 431-441.	2.0	32
44	Photocatalytic Degradation of Organic Dyes Using ZnO/CeO₂ Nanocomposite Material under Visible Light. Advanced Materials Research, 0, 584, 381-385.	0.3	29
45	Insulin mimetic effects of macrocyclic binuclear oxovanadium complexes on streptozotocin-induced experimental diabetes in rats. Diabetes, Obesity and Metabolism, 2003, 5, 455-461.	2.2	28
46	Fabrication of Ag@Co-Al Layered Double Hydroxides Reinforced poly(o-phenylenediamine) Nanohybrid for Efficient Electrochemical Detection of 4-Nitrophenol, 2,4-Dinitrophenol and Uric acid at Nano Molar Level. Scientific Reports, 2019, 9, 13250.	1.6	28
47	Cationic vanadyl porphyrin-encapsulated mesoporous Al/V-MCM-41 as heterogeneous catalysts for the oxidation of alkenes. Inorganica Chimica Acta, 2009, 362, 1810-1818.	1.2	27
48	Facile solvothermal decomposition synthesis of single phase ZnBi₃₈O₆₀nanobundles for sensitive detection of 4-nitrophenol. New Journal of Chemistry, 2017, 41, 7020-7027.	1.4	25
49	A voltammetric biosensor based on poly(o-methoxyaniline)-gold nanocomposite modified electrode for the simultaneous determination of dopamine and folic acid. Materials Science and Engineering C, 2018, 91, 512-523.	3.8	25
50	Studies on influence of light on fluorescence of Tris-(8-hydroxyquinoline)aluminum thin films. Applied Surface Science, 2009, 255, 5760-5763.	3.1	24
51	Chitosan stabilized Ag-Au nanoalloy for colorimetric sensing and 5-Fluorouracil delivery. International Journal of Biological Macromolecules, 2017, 95, 862-872.	3.6	24
52	Synthesis, characterization and photocatalytic activity of nanotitania loaded W-MCM-41. Nanotechnology, 2008, 19, 315711.	1.3	23
53	Preparation of nitrogen-doped reduced graphene oxide and its use in a glassy carbon electrode for sensing 4-nitrophenol at nanomolar levels. Mikrochimica Acta, 2014, 181, 1863-1870.	2.5	23
54	Polyaniline Nanorods: Synthesis, Characterization, and Application for the Determination ofpara-Nitrophenol. Analytical Letters, 2016, 49, 269-281.	1.0	23

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55	Chitosan/reduced graphene oxide/Pd nanocomposites for co-delivery of 5-fluorouracil and curcumin towards HT-29 colon cancer cells. Polymer Bulletin, 2020, 77, 5681-5696.	1.7	23
56	Fabrication of Î±-Fe₂O₃ Nanoparticles for the Electrochemical Detection of Uric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 303-307.	0.6	22
57	Synthesis, growth and photoluminescence behaviour of Gd₂O₂SO₄:Eu³⁺ nanophosphors: the effect of temperature on the structural, morphological and optical properties. RSC Advances, 2015, 5, 7515-7521.	1.7	22
58	Synthesis, spectral, magnetic, electrochemical and catalytic studies of cyclam-based copper(II) and nickel(II) complexesâ€“effect of N-substitution. Journal of Coordination Chemistry, 2008, 61, 3594-3609.	0.8	21
59	Epoxidation of Styrene by Fe, Mn, and V Metalloporphyrins Encapsulated Si, Al, Ti And V- Mcm-41. Catalysis Letters, 2009, 127, 175-182.	1.4	21
60	Fabrication of iron oxide nanoparticles: magnetic and electrochemical sensing property. Journal of Materials Science: Materials in Electronics, 2013, 24, 1256-1263.	1.1	21
61	Global popularization of CuNiO2 and their rGO nanocomposite loveabled to the photocatalytic properties of methylene blue. Environmental Research, 2022, 204, 112338.	3.7	21
62	Size-dependent catalytic property of gold nanoparticle mediated by Justicia adhatoda leaf extract. SN Applied Sciences, 2019, 1, 1.	1.5	20
63	Rationally Designed Ag@polymer@2-D LDH Nanoflakes for Bifunctional Efficient Electrochemical Sensing of 4-Nitrophenol and Water Oxidation Reaction. ACS Applied Materials & Interfaces, 2022, 14, 6518-6527.	4.0	20
64	PHOTOCATALYTIC DEGRADATION OF ORGANIC DYE USING NANO ZnO. International Journal of Nanoscience, 2011, 10, 253-257.	0.4	19
65	New acyclic Schiff-base copper(II) complexes and their electrochemical, catalytic, and antimicrobial studies. Journal of Coordination Chemistry, 2011, 64, 637-650.	0.8	19
66	Microstructure analysis of the ferromagnetic Agâ€“Ni system synthesized by pulsed electrodeposition. Applied Surface Science, 2012, 258, 3126-3132.	3.1	19
67	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. Polymer Bulletin, 2016, 73, 3221-3236.	1.7	19
68	Camphor sulphonic acid doped novel polycarbazole-g-C3N4 as an efficient electrode material for supercapacitor. Journal of Materials Science: Materials in Electronics, 2019, 30, 8736-8750.	1.1	19
69	Pdâ€“Co alloy as an efficient recyclable catalyst for the reduction of hazardous 4-nitrophenol. Research on Chemical Intermediates, 2019, 45, 815-832.	1.3	19
70	Cadmium oxide nanoplatelets: synthesis, characterization and their electrochemical sensing property of catechol. Journal of the Iranian Chemical Society, 2013, 10, 771-776.	1.2	18
71	Î±-Fe2O3 nanoflowers: synthesis, characterization, electrochemical sensing and photocatalytic property. Journal of the Iranian Chemical Society, 2014, 11, 645-652.	1.2	18
72	A strategy to promote the electroactive platform adopting poly(o-anisidine)-silver nanocomposites probed for the voltammetric detection of NADH and dopamine. Materials Science and Engineering C, 2017, 80, 425-437.	3.8	17

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73	Recent advances in polymer supporting layered double hydroxides nanocomposite for electrochemical biosensors. Materials Research Express, 2018, 5, 014011.	0.8	17
74	Metalloporphyrins encapsulated mesoporous molecular sieves as efficient heterogeneous catalysts for oxidation of cyclohexene with iodosylbenzene. Journal of Porous Materials, 2010, 17, 711-718.	1.3	16
75	Dendritic Agâ€“Fe nanocrystalline alloy synthesized by pulsed electrodeposition and its characterization. Applied Surface Science, 2014, 316, 491-496.	3.1	16
76	Synthesis and Characterization of NewtransN,Nâ€²-Disubstituted Macrocyclic â€œtetaâ€•Ligands and Their Copper(II) and Nickel(II) Complexes: Structural, Electrochemical, Magnetic, and Catalytic Studies. Bulletin of the Chemical Society of Japan, 2004, 77, 1153-1159.	2.0	15
77	Aqueous based synthesis of Cu5Se4 nanosheets and characterization. Journal of Materials Science: Materials in Electronics, 2013, 24, 1888-1894.	1.1	15
78	Synthesis, characterization, catalytic, and biological studies of macrobicyclic binuclear nickel(II) complexes of 1,8-difunctionalized cyclam derivatives. Journal of Coordination Chemistry, 2013, 66, 206-217.	0.8	15
79	Highly efficient catalytic reduction and electrochemical sensing of hazardous 4-nitrophenol using chitosan/rGO/palladium nanocomposite. Journal of Materials Science: Materials in Electronics, 2018, 29, 14093-14104.	1.1	15
80	Environmental and antimicrobial properties of silver nanoparticles synthesized using Azadirachta indica Juss leaves extract. SN Applied Sciences, 2019, 1, .	1.5	15
81	Facile Justicia adhatoda leaf extract derived route to silver nanoparticle: synthesis, characterization and its application in photocatalytic and anticancer activity. Materials Research Express, 2019, 6, 045003.	0.8	15
82	A new approach for synthesis of CSA-SBA-15: Its characterization and superior catalytic activity. Microporous and Mesoporous Materials, 2010, 132, 494-500.	2.2	13
83	Solventless synthesis of m-LaVO4 photocatalyst for the degradation of methylene blue and textile effluent. Journal of Materials Science: Materials in Electronics, 2017, 28, 4014-4019.	1.1	13
84	Synthesis, Structural, Magnetic and Electrochemical Studies of Antiferromagnetically Coupled Symmetric Oxamidate-Bridged Binuclear Copper(II) Complexes. European Journal of Inorganic Chemistry, 2004, 2004, 872-878.	1.0	12
85	Visible light photocatalytic property of Zn doped V2O5 nanoparticles. AIP Conference Proceedings, 2012, , .	0.3	12
86	Study on photoluminescence from tris-(8-hydroxyquinoline)indium thin films and influence of light. Optik, 2012, 123, 1393-1396.	1.4	12
87	Investigation of background radiation level in Krusadai Island Mangrove, Gulf of Mannar, India. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 735-744.	0.7	12
88	New Unsymmetric Dinuclear Copper(II) Complexes of Trans-disubstituted Cyclam Derivatives: Spectral, Electrochemical, Magnetic, Catalytic, Antimicrobial, DNA Binding and Cleavage Studies. Bulletin of the Korean Chemical Society, 2011, 32, 1669-1678.	1.0	12
89	Hypoglycemic Effect of Macrocyclic Binuclear Oxovanadium (IV) Complex on Streptozotocin-Induced Diabetic Rats. Experimental Diabesity Research, 2004, 5, 137-142.	1.0	11
90	Macrocyclic Unsymmetrical Binuclear Copper(II) Complexes as Ligands: Spectral, Structural, Magnetic and Electrochemical Studies. Supramolecular Chemistry, 2004, 16, 129-136.	1.5	11

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91	Electrochemical, catalytic and antimicrobial activities of N-functionalized cyclam based unsymmetrical dicompartmental binuclear nickel(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 849-854.	2.0	10
92	Synthesis of new unsymmetrical â€œend-offâ€•phenoxo bridged copper(II), nickel(II) and zinc(II) complexes: spectral, magnetic, electrochemical, catalytic, and antimicrobial studies. Journal of Coordination Chemistry, 2009, 62, 1356-1372.	0.8	10
93	N-benzoylated 1,4,8,11-tetraazacyclotetradecane and their copper(II) and nickel(II) complexes: Spectral, magnetic, electrochemical, crystal structure, catalytic and antimicrobial studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 92-100.	2.0	10
94	Effective dual role catalyst of mixed oxide heterostructure for photocatalyst and electrocatalytic sensing of isoniazid. Journal of Materials Science: Materials in Electronics, 2017, 28, 12726-12740.	1.1	10
95	ZnO nanoparticles: hydrothermal synthesis and 4-nitrophenol sensing property. Journal of Materials Science: Materials in Electronics, 2017, 28, 9272-9278.	1.1	10
96	Spectroscopic, Redox and Biological Studies of Push-Pull Porphyrins and Their Metal Complexes. Bulletin of the Korean Chemical Society, 2010, 31, 2656-2664.	1.0	10
97	Photochemistry of macromolecular metal complexes. III. Synthesis, spectral and electrochemical properties of macromolecular bound protoporphyrin in aqueous solution. Journal of Polymer Science Part A, 1992, 30, 2475-2488.	2.5	9
98	Synthesis, spectral, magnetic, electrochemical and kinetic studies of copper(II), nickel(II) and zinc(II) complexes derived from a phenol-based unsymmetrical â€œend-offâ€•ligand. Journal of Coordination Chemistry, 2009, 62, 600-612.	0.8	9
99	New 14-membered trans-di-substituted â€˜tet-aâ€™ macrocycles and their copper(II) and nickel(II) complexes: Spectral, magnetic, electrochemical, crystal structure, catalytic and antimicrobial studies. Journal of Molecular Structure, 2011, 989, 91-100.	1.8	9
100	Electrochemical, catalytic and antimicrobial activity of N-functionalized tetraazamacrocyclic binuclear nickel(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 601-606.	2.0	9
101	Synthesis, characterization, crystal structure and antimicrobial activities of new trans N,N-substituted macrocyclic dioxocyclam and their copper(II) and nickel(II) complexes. Polyhedron, 2011, 30, 106-113.	1.0	9
102	Synthesis and characterization of bimetallic nanocatalysts and their application in selective hydrogenation of citral to unsaturated alcohols. Journal of Chemical Sciences, 2013, 125, 1365-1374.	0.7	9
103	Solid state synthesis of copper tungstate nanoparticles and its electrochemical detection of 4-chlorophenol. AIP Conference Proceedings, 2014, , .	0.3	9
104	Synthesis and Characterization of Nano-Titania Photocatalyst Loaded on Mo-MCM-41 Support. Advanced Science Letters, 2011, 4, 89-95.	0.2	9
105	1,8-Bis(3-formyl-5-methyl-2-oxidobenzyl)-1,8-diaza-4,11-diazoniacyclotetradecane chloroform solvate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3714-o3715.	0.2	8
106	N-functionalized cyclam based trinuclear copper(II) complexes: electrochemical, magnetic, catalytic and antimicrobial studies. Transition Metal Chemistry, 2009, 34, 33-41.	0.7	8
107	Enhanced Photocatalytic Behavior of (GO/Cu2O) Composite with Cu2O Being Synthesized Through Green Route. Journal of Nanoscience and Nanotechnology, 2019, 19, 7215-7220.	0.9	8
108	Cross-linked chitosan/hydroxylated boron nitride nanocomposites for co-delivery of curcumin and 5-fluorouracil towards human colon cancer cells. Journal of the Iranian Chemical Society, 2021, 18, 317-329.	1.2	8

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109	Synthesis, electrochemical, magnetic, catalytic and antimicrobial studies of N-functionalized cyclam based trinuclear copper(II) and nickel(II) complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66, 297-306.	1.6	7
110	New Acyclic Schiff-Base Nickel(II) Complexes and their Electrochemical, Kinetic, and Antimicrobial Studies. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 963-972.	0.6	7
111	Visible light driven photocatalytic degradation of methylene blue using novel camphor sulfonic acid doped polycarbazole/g-C3N4 nanocomposite. AIP Conference Proceedings, 2018, , .	0.3	7
112	Tunable poly(o-anisidine)/carbon nanotubes nanocomposites as an electrochemical sensor for the detection of an anthelmintic drug mebendazole. Polymer Bulletin, 2018, 75, 3127-3147.	1.7	7
113	Investigation of natural background radiation of sediments in Rameswaram Island, Tamil Nadu, India. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	7
114	Photocatalytic and biological properties of porous titanium aminophosphate. Applied Nanoscience (Switzerland), 2018, 8, 1791-1807.	1.6	7
115	Mineralogical influence over the presence of primordial radionuclide along the industrial corridor of northern coastal region of Chennai. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 117-133.	0.7	7
116	Facile Synthesis of Phase Tunable MoO₃ Nanostructures and Their Electrochemical Sensing Properties. Journal of Nanoscience and Nanotechnology, 2020, 20, 2823-2831.	0.9	7
117	Hydrothermal Synthesis of Lead Sulphide Nanoparticles and their Electrochemical Sensing Property. Advanced Materials Research, 0, 584, 276-279.	0.3	6
118	Synthesis, Characterization and Electrochemical Sensing Property of Fe-Fe₂O₃ Nanocomposite. Advanced Materials Research, 0, 584, 263-266.	0.3	6
119	New â€˜side-offâ€™ coordination asymmetric homobinuclear Ni(II) and heterobinuclear Ni(II)Zn(II) complexes as models for hydrolysis of p-nitrophenylphosphate: Synthesis, characterization and electrochemical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 245-250.	2.0	6
120	Synthesis of chitosan supported palladium nanoparticles and its catalytic activity towards 2-nitrophenol reduction. AIP Conference Proceedings, 2016, , .	0.3	6
121	Surface tuned Au-ZnO nanorods for enhanced electrochemical sensing ability towards the detection of gallic acid. Inorganic Chemistry Communication, 2022, 139, 109400.	1.8	6
122	Synthesis, characterization and bioactive evaluation of copper(II) 5,10,15,20-tetrakis[Î±,Î±,Î±,Î±-2-(2,6-bis(4-methylpiperazine-1-yl-methyl)-4-iminomethyl phenol)phenyl] porphyrin: A picket-fence porphyrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 652-660.	2.0	5
123	Effect of Iron Oxide on Ionic Conductivity of Polyindole Based Composite Polymer Electrolytes. Advanced Materials Research, 2012, 584, 536-540.	0.3	5
124	Heterogeneous Oxidation of Styrene Using Iron(III) Porphyrin Encapsulated in Mesoporous Molecular Sieves. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 608-615.	0.6	5
125	Cytotoxicity and Antimicrobial Studies of Silver Nanoparticles Synthesized Using Psidium guajava L. Extract. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 426-432.	0.6	5
126	Seasonal observation on radionuclide concentration in Krusadai Island Mangroves, Gulf of Mannar, India. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 1277-1288.	0.7	5

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127	Enhanced Photocatalytic Performance of Sn₆SiO₈ Nanoparticles and Their Reduced Graphene Oxide (rGO) Nanocomposite. Journal of Nanoscience and Nanotechnology, 2020, 20, 5426-5432.	0.9	5
128	Spectral, Electrochemical, Fluorescence, Kinetic and Anti-microbial Studies of Acyclic Schiff-base Gadolinium(III) Complexes. Bulletin of the Korean Chemical Society, 2012, 33, 3581-3588.	1.0	5
129	N-functionalized, cyclam-based unsymmetrical dicompartmental binuclear copper(II) complexes containing 4- and 6-coordination sites: electrochemical, magnetic, catalytic, and antimicrobial studies. Journal of Coordination Chemistry, 2009, 62, 3073-3084.	0.8	4
130	Hydrothermal Synthesis and Characterization of Cobalt Doped Î±-Fe[sub 2]O[sub 3]. , 2010, , .		4
131	Synthesis and characterization of new unsymmetrical â€˜side-offâ€™ tetra and hexa coordinate homobinuclear Cu(II) and heterobinuclear Cu(II)â€“Zn(II) complexes: Magnetic, electrochemical and kinetic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 334-339.	2.0	4
132	Synthesis of New Acyclic Schiff Base Oxovanadium(IV) Complexes and Their Electrochemical, Catecholase, and Antimicrobial Studies of Minimum Inhibitory Concentration. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1647-1654.	0.6	4
133	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
134	Implementation of oligonucleotide-gated supports for the electrochemical detection of Ochratoxin A. Supramolecular Chemistry, 2017, 29, 776-783.	1.5	4
135	Biological Evolution of New Intercalated Layered Double Hydroxides: Anticancer, Antibacterial and Photocatalytic Studies. ChemistrySelect, 2017, 2, 11717-11726.	0.7	4
136	New development and photocatalytic performance and antimicrobial activity of Î±-NH4(VO2)(HPO4) nanosheets. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121250.	2.0	4
137	<I>In Vitro</I> Anti Microbial and Anti Inflammatory Study of Nano Carbonated Hydroxyapatite/Poly(Vinyl Alcohol) Composites: Synthesis and Its Characterization. Journal of Bionanoscience, 2012, 6, 49-55.	0.4	3
138	Synthesis and characterization of poly(4-vinyl pyridine-co-styrene)/FHAP nanocomposite, and its biomedical application. Applied Nanoscience (Switzerland), 2013, 3, 373-382.	1.6	3
139	Synthesis, crystal structure, magnetic, DSS cell, lifetime measurement, electrochemical, catecholase activity, and antimicrobial studies of mono and hetero binuclear cryptates. Journal of the Iranian Chemical Society, 2013, 10, 63-76.	1.2	3
140	Electrochemical Studies of Hydroxyapatitie-Poly Ethylene Glycol Nanocomposite. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 329-335.	0.6	3
141	Characterization of Mo-MCM-41 and its Electrochemical Sensing Property. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 1194-1198.	0.6	3
142	Synthesis, characterization, catalytic, antimicrobial, DNA binding and cleavage studies of N-functionalized tetraazamacrocyclic binuclear copper(II) complexes. Journal of the Iranian Chemical Society, 2014, 11, 825-837.	1.2	3
143	Double dumbbell shaped AgNi alloy by pulsed electrodeposition. , 2014, , .		3
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