

# mustafa Aghazadeh

## List of Publications by Citations

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153  
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153  
ext. papers

3,831  
ext. citations

3.1  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
153	Synthesis, characterization, and electrochemical properties of ultrafine $\text{Ni(OH)}_2$ nanoparticles. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 8674-8679	6.7	183
152	Electrochemical preparation of $\text{Ni(OH)}_2$ ultrafine nanoparticles for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 1569-1584	2.6	99
151	Electrochemical preparation of $\text{MnO}_2$ nanobelts through pulse base-electrogeneration and evaluation of their electrochemical performance. <i>Applied Surface Science</i> , <b>2016</b> , 364, 141-147	6.7	67
150	Electrochemical preparation and properties of nanostructured $\text{Co}_3\text{O}_4$ as supercapacitor material. <i>Journal of Applied Electrochemistry</i> , <b>2012</b> , 42, 89-94	2.6	67
149	A novel method for preparation of bare and poly(vinylpyrrolidone) coated superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Materials Letters</i> , <b>2016</b> , 179, 5-8	3.3	62
148	Uniform $\text{Co(OH)}_2$ disc-like nanostructures prepared by low-temperature electrochemical route as an electrode material for supercapacitors. <i>Applied Surface Science</i> , <b>2013</b> , 273, 237-242	6.7	61
147	Samarium-doped $\text{Fe}_3\text{O}_4$ nanoparticles with improved magnetic and supercapacitive performance: a novel preparation strategy and characterization. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 295-308	4.3	60
146	Evaluation of supercapacitive and magnetic properties of $\text{Fe}_3\text{O}_4$ nano-particles electrochemically doped with dysprosium cations: Development of a novel iron-based electrode. <i>Ceramics International</i> , <b>2018</b> , 44, 520-529	5.1	59
145	Template-free synthesis of $\text{MnO}_2$ nanowires with secondary flower like structure: Characterization and supercapacitor behavior studies. <i>Current Applied Physics</i> , <b>2012</b> , 12, 193-198	2.6	59
144	Superparamagnetic Iron Oxide ( $\text{Fe}_3\text{O}_4$ ) Nanoparticles Coated with PEG/PEI for Biomedical Applications: A Facile and Scalable Preparation Route Based on the Cathodic Electrochemical Deposition Method. <i>Advances in Physical Chemistry</i> , <b>2017</b> , 2017, 1-7		57
143	Facile preparation of $\text{MnO}_2$ nanorods and evaluation of their supercapacitive characteristics. <i>Applied Surface Science</i> , <b>2016</b> , 364, 726-731	6.7	57
142	Facile synthesis of $\text{MnO}_2$ one-dimensional (1D) nanostructure and energy storage ability studies. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 190, 202-207	3.3	55
141	Enhancement of the peroxidase-like activity of cerium-doped ferrite nanoparticles for colorimetric detection of $\text{H}_2\text{O}_2$ and glucose. <i>Analytical Methods</i> , <b>2017</b> , 9, 3519-3524	3.2	53
140	Facile electrochemical synthesis of uniform $\text{Co(OH)}_2$ nanoplates for high performance supercapacitors. <i>Ceramics International</i> , <b>2014</b> , 40, 3485-3493	5.1	53
139	Porous cobalt hydroxide nanosheets with excellent supercapacitive behavior. <i>Chemical Physics Letters</i> , <b>2012</b> , 541, 65-69	2.5	51
138	Saccharide-coated superparamagnetic $\text{Fe}_3\text{O}_4$ nanoparticles (SPIONs) for biomedical applications: An efficient and scalable route for preparation and in situ surface coating through cathodic electrochemical deposition (CED). <i>Materials Letters</i> , <b>2017</b> , 189, 290-294	3.3	49
137	$\text{Co(OH)}_2$ nanoplates with excellent supercapacitive performance: Electrochemical preparation and characterization. <i>Materials Letters</i> , <b>2016</b> , 184, 223-226	3.3	47

136	High temperature and low current density synthesis of Mn <sub>3</sub> O <sub>4</sub> porous nano spheres: Characterization and electrochemical properties. <i>Current Applied Physics</i> , <b>2012</b> , 12, 544-549	2.6	47
135	Preparation, characterization and PEGylation of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles from ethanol medium via cathodic electrochemical deposition (CED) method. <i>Materials Research Express</i> , <b>2016</b> , 3, 095022	1.7	46
134	Electrochemical preparation and evaluation of the supercapacitive performance of MnO <sub>2</sub> nanoworms. <i>Materials Letters</i> , <b>2016</b> , 167, 153-156	3.3	46
133	Epoxy/layered double hydroxide (LDH) nanocomposites: Synthesis, characterization, and Excellent cure feature of nitrate anion intercalated Zn-Al LDH. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105218	4.8	44
132	Template-free preparation of vertically-aligned Mn <sub>3</sub> O <sub>4</sub> nanorods as high supercapacitive performance electrode material. <i>Thin Solid Films</i> , <b>2017</b> , 634, 24-32	2.2	42
131	A novel lanthanum hydroxide nanostructure prepared by cathodic electrodeposition. <i>Materials Letters</i> , <b>2011</b> , 65, 1466-1468	3.3	42
130	Development of a facile and effective electrochemical strategy for preparation of iron oxides (Fe <sub>3</sub> O <sub>4</sub> and Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles from aqueous and ethanol mediums and in situ PVC coating of Fe <sub>3</sub> O <sub>4</sub> superparamagnetic nanoparticles for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 416, 81-88	2.8	41
129	Optimizing the procedure for the synthesis of nanoscale gadolinium(III) tungstate as efficient photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 3780-3788	2.1	38
128	A facile one-pot synthesis of cobalt-doped magnetite/graphene nanocomposite as peroxidase mimetics in dopamine detection. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12678-12684	3.6	38
127	Synthesis, Characterization and Electrochemical Properties of Capsule-Like NiO Nanoparticles. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, E132-E138	3.9	38
126	Preparation, characterization and electrochemical behavior of porous sphere-like Ni(OH) <sub>2</sub> nanostructures. <i>Applied Surface Science</i> , <b>2014</b> , 313, 581-584	6.7	37
125	Mn <sup>2+</sup> -doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles: a novel preparation method, structural, magnetic and electrochemical characterizations. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 18121-18129	2.1	37
124	A novel preparation method for surface coated superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles with vitamin C and sucrose. <i>Materials Letters</i> , <b>2017</b> , 196, 392-395	3.3	36
123	Effective Preparation, Characterization and In Situ Surface Coating of Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles with Polyethyleneimine Through Cathodic Electrochemical Deposition (CED). <i>Current Nanoscience</i> , <b>2017</b> , 13, 167-174	1.4	36
122	Cure Index for labeling curing potential of epoxy/LDH nanocomposites: A case study on nitrate anion intercalated Ni-Al-LDH. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105228	4.8	35
121	Electrochemical preparation of ZrO <sub>2</sub> nanopowder: Impact of the pulse current on the crystal structure, composition and morphology. <i>Ceramics International</i> , <b>2013</b> , 39, 4427-4435	5.1	35
120	Porous network of Y <sub>2</sub> O <sub>3</sub> nanorods prepared by electrogeneration of base in chloride medium. <i>Materials Letters</i> , <b>2011</b> , 65, 2545-2548	3.3	35
119	Preparation and characterization of iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles coated with polyvinylpyrrolidone/polyethylenimine through a facile one-pot deposition route. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 433, 148-154	2.8	34

118	Pulse electrochemical synthesis of capsule-like nanostructures of Co <sub>3</sub> O <sub>4</sub> and investigation of their capacitive performance. <i>Applied Surface Science</i> , <b>2013</b> , 287, 187-194	6.7	34
117	Synthesis of Y <sub>2</sub> O <sub>3</sub> Nanospheres via Heat-Treatment of Cathodically Grown Y(OH) <sub>3</sub> in Chloride Medium. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, D519	3.9	33
116	Electrosynthesis of highly porous NiO nanostructure through pulse cathodic electrochemical deposition: heat-treatment (PCED-HT) method with excellent supercapacitive performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 8144-8154	2.1	32
115	Electrochemical evaluation of the performance of cathodically grown ultra-fine magnetite nanoparticles as electrode material for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 13532-13539	2.1	32
114	One-step cathodic electrosynthesis of surface capped Fe <sub>3</sub> O <sub>4</sub> ultra-fine nanoparticles from ethanol medium without using coating agent. <i>Materials Letters</i> , <b>2018</b> , 211, 225-229	3.3	32
113	Nanostructured nickel oxide ultrafine nanoparticles: Synthesis, characterization, and supercapacitive behavior. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 23, 85-92	4.3	32
112	Cathodic electrodeposition of Y(OH) <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> nanostructures from chloride bath. Part II: Effect of the bath temperature on the crystal structure, composition and morphology. <i>Ceramics International</i> , <b>2013</b> , 39, 1045-1055	5.1	32
111	Supercapacitive behavior of Ni(OH) <sub>2</sub> nanospheres prepared by a facile electrochemical method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 443, 544-551	5.1	31
110	Low-temperature electrochemical synthesis and characterization of ultrafine Y(OH) <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Rare Earths</i> , <b>2012</b> , 30, 236-240	3.7	31
109	Cobalt hydroxide ultra-fine nanoparticles with excellent energy storage ability. <i>Applied Surface Science</i> , <b>2013</b> , 283, 871-875	6.7	31
108	Nanoparticulates Zr(OH) <sub>4</sub> and ZrO <sub>2</sub> prepared by low-temperature cathodic electrodeposition. <i>Materials Letters</i> , <b>2012</b> , 73, 28-31	3.3	30
107	Synthesis, characterization and photocatalytic activity of neodymium carbonate and neodymium oxide nanoparticles. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1150, 411-418	3.4	30
106	Large-Scale and Facile Electrochemical Preparation of Co(OH) <sub>2</sub> Nanocapsules and Investigation of their Supercapacitive Performance. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, D18-D25	3.9	27
105	Fabrication, characterization and photochemical activity of ytterbium carbonate and ytterbium oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 9478-9488	2.1	25
104	Curing epoxy with electrochemically synthesized Gd Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105245	4.8	25
103	Mn <sub>3</sub> O <sub>4</sub> nanorods with secondary plate-like nanostructures; preparation, characterization and application as high performance electrode material in supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 11192-11200	2.1	25
102	Electrochemical preparation and supercapacitive performance of MnO <sub>2</sub> nanospheres with secondary wall-like structures. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 7707-7714	2.1	25
101	PVP capped Mn <sup>2+</sup> doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles: A novel preparation method, surface engineering and characterization. <i>Materials Letters</i> , <b>2018</b> , 228, 137-140	3.3	25

100	A facile route to preparation of Co <sub>3</sub> O <sub>4</sub> nanoplates and investigation of their charge storage ability as electrode material for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8623-8632	2.1	23
99	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105227	4.8	23
98	Development of Mg-Zn-Al-CO <sub>3</sub> ternary LDH and its curability in epoxy/amine system. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105264	4.8	23
97	Synthesis, characterization, and study of the supercapacitive performance of NiO nanoplates prepared by the cathodic electrochemical deposition-heat treatment (CED-HT) method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 3108-3117	2.1	23
96	La <sub>2</sub> O <sub>3</sub> Nanoplates Prepared by Heat-Treatment of Electrochemically Grown La(OH) <sub>3</sub> Nanocapsules from Nitrate Medium. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, E136	3.9	23
95	Starch-assisted electrochemical fabrication of high surface area cobalt hydroxide nanosheets for high performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11406-11414 <sup>22</sup>	4.1	22
94	Zn-doped magnetite nanoparticles: development of novel preparation method and evaluation of magnetic and electrochemical capacitance performances. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 18755-18764	2.1	22
93	Curing epoxy with electrochemically synthesized Ni Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105198	4.8	22
92	Nickel oxide Nano-Rods/Plates as a High Performance Electrode Materials for Supercapacitors; Electrosynthesis and Evolution of Charge Storage Ability. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 11002-11015	2.2	22
91	Hausmannite nanorods prepared by electrodeposition from nitrate medium via electrogeneration of base. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2012</b> , 43, 614-618	5.3	21
90	Curing epoxy with Mg-Al LDH nanoplatelets intercalated with carbonate ion. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105278	4.8	20
89	One-pot electrochemical synthesis and assessment of super-capacitive and super-paramagnetic performances of Co <sup>2+</sup> doped Fe <sub>3</sub> O <sub>4</sub> ultra-fine particles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 2291-2300	2.1	20
88	Ethylenediaminetetraacetic acid capped superparamagnetic iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles: A novel preparation method and characterization. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 439, 312-319	2.8	19
87	Samarium carbonate and samarium oxide; synthesis, characterization and evaluation of the photo-catalytic behavior. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5574-5583	2.1	19
86	Amino Acid Coated Superparamagnetic Iron Oxide Nanoparticles for Biomedical Applications Through a Novel Efficient Preparation Method. <i>Journal of Cluster Science</i> , <b>2017</b> , 28, 1259-1271	3	19
85	Curing epoxy with electrochemically synthesized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105246	4.8	19
84	Electrochemical preparation and characterization of brain-like nanostructures of Y <sub>2</sub> O <sub>3</sub> . <i>Journal of Rare Earths</i> , <b>2013</b> , 31, 281-288	3.7	19
83	Investigation of intermolecular hydrogen bond interactions in crystalline L-cysteine by DFT calculations of the oxygen-17, nitrogen-14, and hydrogen-2 EFG tensors and AIM analysis. <i>Biophysical Chemistry</i> , <b>2009</b> , 141, 49-58	3.5	19

82	Preparation and characterization of Mn <sub>5</sub> O <sub>8</sub> nanoparticles: A novel and facile pulse cathodic electrodeposition followed by heat treatment. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2017</b> , 47, 1085-1089 <sup>1,2</sup>	1.2	18
81	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105250	4.8	18
80	One-step electro-synthesis of Ni <sup>2+</sup> doped magnetite nanoparticles and study of their supercapacitive and superparamagnetic behaviors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 4981-4991	2.1	17
79	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Mn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105247	4.8	17
78	Improved supercapacitive performance of pure iron oxide electrode through cathodically grown of ultra-fine nanoparticles. <i>Materials Letters</i> , <b>2017</b> , 209, 450-454	3.3	17
77	Superparamagnetic Iron Oxide Nanoparticles Modified with Alanine and Leucine for Biomedical Applications: Development of a Novel Efficient Preparation Method. <i>Current Nanoscience</i> , <b>2017</b> , 13, 274-280 <sup>1,4</sup>	1.4	17
76	A new electrochemiluminescence biosensor for the detection of glucose based on polypyrrole/polyluminol/Ni(OH) <sub>2</sub> /Ni <sub>3</sub> N <sub>4</sub> /glucose oxidase-modified graphite electrode. <i>Analytical Methods</i> , <b>2018</b> , 10, 5723-5730	3.2	17
75	Preparation of Nano-sized Bismuth-Doped Fe <sub>3</sub> O <sub>4</sub> as an Excellent Magnetic Material for Supercapacitor Electrodes. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 3026-3036	1.9	16
74	La(OH) <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> nanospindles prepared by template-free direct electrodeposition followed by heat-treatment. <i>Materials Letters</i> , <b>2014</b> , 115, 68-71	3.3	16
73	Facile Synthesis of Vertically Aligned One-Dimensional (1D) La(OH) <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> Nanorods by Pulse Current Deposition. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, D150-D155	3.9	16
72	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Gd <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 137, 105283	4.8	16
71	An enhancement of luminol chemiluminescence by cobalt hydroxide decorated porous graphene and its application in glucose analysis. <i>Analytical Methods</i> , <b>2019</b> , 11, 1346-1352	3.2	15
70	Cobalt Hydroxide Nanoflakes Prepared by Saccharide-Assisted Cathodic Electrochemical Deposition as High Performance Supercapacitor Electrode Material. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 5792-5803	2.2	15
69	One-pot Electro-synthesis and Characterization of Chitosan Capped Superparamagnetic Iron Oxide Nanoparticles (SPIONs) from Ethanol Media. <i>Current Nanoscience</i> , <b>2017</b> , 14, 42-49	1.4	15
68	Yttrium Oxide Nanoparticles Prepared by Heat Treatment of Cathodically Grown Yttrium Hydroxide <b>2011</b> , 2011, 1-6		15
67	Epoxy/Zn-Al-CO <sub>3</sub> LDH nanocomposites: Curability assessment. <i>Progress in Organic Coatings</i> , <b>2020</b> , 138, 105355	4.8	15
66	Synthesis of nano-structured lanthanum tungstates photocatalysts. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 7600-7608	2.1	14
65	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105259	4.8	14

64	Cobalt hydroxide hexagonal nanoplates anchored on functionalized carbon nanotubes (CNTs) for supercapacitor applications: one-pot electrochemical fabrication of high performance nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14378-14386	2.1	14
63	Cathodic Electrodeposition of ZrO <sub>2</sub> : Impact of Current Density on the Crystal Structure, Composition and Morphology. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, E53-E58	3.9	14
62	Large-scale synthesis of uniform lanthanum oxide nanowires via template-free deposition followed by heat-treatment. <i>Ceramics International</i> , <b>2013</b> , 39, 9491-9498	5.1	14
61	Improvement of supercapacitive and superparamagnetic capabilities of iron oxide through electrochemically grown La <sup>3+</sup> doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 19061-19070	2.1	13
60	Preparation of Mn <sub>5</sub> O <sub>8</sub> and Mn <sub>3</sub> O <sub>4</sub> nano-rods through cathodic electrochemical deposition-heat treatment (CED-HT). <i>Materials Research Express</i> , <b>2016</b> , 3, 055013	1.7	13
59	Synthesis, characterization, and supercapacitive properties of FeCo(OH) <sub>2</sub> leaf-like nanostructures. <i>Journal of the Iranian Chemical Society</i> , <b>2012</b> , 9, 225-229	2	13
58	Curing epoxy with ethylenediaminetetraacetic acid (EDTA) surface-functionalized Co Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105248	4.8	12
57	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
56	Paper-based chemiluminescence and colorimetric detection of cytochrome c by cobalt hydroxide decorated mesoporous carbon. <i>Microchemical Journal</i> , <b>2020</b> , 157, 104991	4.8	12
55	Electrochemical grown cobalt hydroxide three-dimensional nanostructures on Ni foam as high performance supercapacitor electrode material. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14567-14573	2.1	12
54	Porous Co <sub>3</sub> O <sub>4</sub> Nanoplates: Electrochemical Synthesis, Characterization and Investigation of Supercapacitive Performance. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, D293-D300	3.9	12
53	Electrochemical fabrication of praseodymium cations doped iron oxide nanoparticles with enhanced charge storage and magnetic capabilities. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 5163-5172	2.1	11
52	Curing epoxy with electrochemically synthesized Mn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105199	4.8	11
51	Preparation of Gd <sub>2</sub> O <sub>3</sub> nanorods by electrodeposition-heat-treatment method. <i>Materials Letters</i> , <b>2012</b> , 73, 176-178	3.3	11
50	Large scale and uniform La(OH) <sub>3</sub> nanorods prepared by template-free pulsed electrodeposition method. <i>Materials Letters</i> , <b>2013</b> , 104, 61-63	3.3	11
49	Curing epoxy with electrochemically synthesized Co Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 137, 105252	4.8	11
48	High performance electrode material for supercapacitors based on FeCo(OH) <sub>2</sub> nano-sheets prepared through pulse current cathodic electro-deposition (PC-CED). <i>Electronic Materials Letters</i> , <b>2018</b> , 14, 37-45	2.9	11
47	Unconditionally blue: Curing epoxy with polyethylene glycol (PEG) surface-functionalized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 137, 105285	4.8	10

46	Fabrication of high-performance metal ion doped iron oxide electrode for supercapacitor applications through a novel platform. <i>Materials Research Express</i> , <b>2017</b> , 4, 105505	1.7	10
45	Facile electrosynthesis and characterization of superparamagnetic nanoparticles coated with cysteine, glycine and glutamine. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	10
44	A systematic study on hydrogen bond interactions in sulfabenzamide: DFT calculations of the N-14, O-17, and H-2 NQR parameters. <i>Biophysical Chemistry</i> , <b>2009</b> , 139, 116-22	3.5	10
43	A New-Type Nanostructure of Y(OH) <sub>3</sub> Prepared by Electrodeposition from Chloride Medium via Electrogeneration of Base. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 214-218	2.3	10
42	Enhanced Supercapacitive and Magnetic Performances of Ho <sup>3+</sup> Doped Iron Oxide Nanoparticles Prepared Through a Novel One-Pot Electro-Synthesis Method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1700365	1.6	9
41	High Performance Pseudocapacitor Electrode Material Fabricated by Pulse Electro-Synthesized Cobalt Oxide Nanostructures. <i>International Journal of Electrochemical Science</i> , 11016-11027	2.2	9
40	Curing epoxy with polyvinyl chloride (PVC) surface-functionalized Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 137, 105364	4.8	8
39	Hydrogen bond interactions in sulfamerazine: DFT study of the O-17, N-14, and H-2 electric field gradient tensors. <i>Chemical Physics</i> , <b>2008</b> , 351, 159-162	2.3	8
38	Exploring curing potential of epoxy nanocomposites containing nitrate anion intercalated MgAl <sub>2</sub> OH with Cure Index. <i>Progress in Organic Coatings</i> , <b>2020</b> , 139, 105255	4.8	8
37	An Investigation on Magnetic-Interacting Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Prepared by Electrochemical Synthesis Method. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 2139-2147	1.5	8
36	Enhancing the Supercapacitive and Superparamagnetic Performances of Iron Oxide Nanoparticles through Yttrium Cations Electro-chemical Doping. <i>Materials Research</i> , <b>2018</b> , 21,	1.5	7
35	Preparation of Gd <sub>2</sub> O <sub>3</sub> coral-like nanostructures by pulse electrodeposition/heat-treatment method. <i>Materials Letters</i> , <b>2013</b> , 99, 11-13	3.3	7
34	Preparation and Characterization of Amine- and Carboxylic Acid-functionalized Superparamagnetic Iron Oxide Nanoparticles Through a One-step Facile Electrosynthesis Method. <i>Current Nanoscience</i> , <b>2018</b> , 15, 169-177	1.4	7
33	Oxygen-functionalized graphitic carbon nitride nanosheets/Co(OH) <sub>2</sub> nanoplates anchored onto porous substrate as a novel high-performance binder-free electrode for supercapacitors. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101743	7.8	7
32	Erbium(III) tungstate nanoparticles; optimized synthesis and photocatalytic evaluation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 6399-6406	2.1	6
31	Electrochemical preparation and characterization of chitosan-coated superparamagnetic iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles. <i>Materials Research Innovations</i> , <b>2017</b> , 1-9	1.9	6
30	Al <sup>3+</sup> doped Fe <sub>3</sub> O <sub>4</sub> Nanoparticles: A Novel Preparation Method, Structural, Magnetic and Electrochemical Characterizations. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 8033-8044	2.2	6
29	Effective electrosynthesis and in situ surface coating of Fe <sub>3</sub> O <sub>4</sub> nanoparticles with polyvinyl alcohol for biomedical applications. <i>Materials Research Innovations</i> , <b>2017</b> , 1-8	1.9	6



28	Binder-free high-performance Fe <sub>3</sub> O <sub>4</sub> fine particles in situ grown onto N-doped porous graphene layers co-embedded into porous substrate as supercapacitor electrode. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 15198-15217	2.1	6
27	CTAB-assisted Cathodic Electrosynthesis of MnO <sub>2</sub> ultra-fine Nanoparticles and Investigation of Their Charge Storage Performance. <i>International Journal of Electrochemical Science</i> , <b>2018</b> , 1161-1172	2.2	6
26	Synthesis of Sm <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> nanocrystals via a statistically optimized route and their photocatalytic behavior. <i>Materials Research Express</i> , <b>2017</b> , 4, 035012	1.7	5
25	Facile preparation of La(OH) <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> nanorods aligned along the electrode surface: Pulsed cathodic deposition followed by heat-treatment. <i>Russian Journal of Electrochemistry</i> , <b>2015</b> , 51, 263-270	1.2	5
24	Gd <sup>3+</sup> doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles with proper magnetic and supercapacitive characteristics: A novel synthesis platform and characterization. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 1341-1347	2.8	5
23	Cathodic electrodeposition and characterization of nanostructured Y <sub>2</sub> O <sub>3</sub> from chloride solution Part I: Effect of current density. <i>Russian Journal of Electrochemistry</i> , <b>2013</b> , 49, 344-353	1.2	5
22	Electrochemical grown Ni,Zn-MOF and its derived hydroxide as battery-type electrodes for supercapacitors. <i>Synthetic Metals</i> , <b>2022</b> , 285, 117009	3.6	5
21	Bulk-Surface Modification of Nanoparticles for Developing Highly-Crosslinked Polymer Nanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
20	Statistical optimization of experimental parameters for synthesis of two efficient photocatalyst: erbium carbonate and erbium oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 15224-15232	2.1	4
19	Facile fabrication of mixed samarium/tellurium metalorganic frameworks onto Ni foam and its outstanding cycling performance as binder-free battery-type electrode for supercapacitors. <i>Materials Letters</i> , <b>2022</b> , 313, 131804	3.3	4
18	On-pot fabrication of binder-free composite of iron oxide grown onto porous N-doped graphene layers with outstanding charge storage performance for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 13156-13176	2.1	4
17	Enhancing the Supercapacitive Properties of Iron Oxide Electrode through Cu <sup>2+</sup> -doping: Cathodic Electrosynthesis and Characterization. <i>International Journal of Electrochemical Science</i> , <b>2018</b> , 1355-1366	2.2	4
16	Synthesis, Characterization, and Photocatalytic Behavior of Praseodymium Carbonate and Oxide Nanoparticles Obtained by Optimized Precipitation and Thermal Decomposition. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 4627-4639	1.9	3
15	Synthesis and Characterization of Flaky-Like Y(OH) <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> Nanostructures. <i>Journal of Nanoengineering and Nanomanufacturing</i> , <b>2012</b> , 2, 248-252		3
14	Self-assembled Co(OH) <sub>2</sub> /functionalized MWNTs/porous graphene ternary binder-free hybrid for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 151-167	2.1	3
13	Investigation on the photocatalytic behaviors of europium carbonate and oxide nanoparticles prepared based on statistically optimized carbonation and calcination routes. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 13267-13277	2.1	2
12	Optimized routes for the preparation of gadolinium carbonate and oxide nanoparticles and exploring their photocatalytic activity74, 316-325		2
11	Optimizing the synthesis of terbium(III) molybdate nanoplates through an orthogonal array design. <i>Environmental Progress and Sustainable Energy</i> , <b>2019</b> , 38, 13091	2.5	2

10	Electrochemical synthesis of three-dimensional flower-like Ni/CoBTC bimetallic organic framework as heterogeneous catalyst for solvent-free and green synthesis of substituted chromeno[4,3b]quinolones. <i>Journal of the Chinese Chemical Society</i> , <b>2021</b> , 68, 620-629	1.5	2
9	Application of Taguchi robust design to the optimization of the synthesis of holmium carbonate and oxide nanoparticles and exploring their photocatalyst behaviors for water treatment. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11383-11392	2.1	1
8	EDTA-grafted Cu <sup>2+</sup> -doped superparamagnetic nanoparticles: facile novel synthesis and their structural and magnetic characterizations. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	1
7	Cathodic electrodeposition and characterization of nanostructured Y <sub>2</sub> O <sub>3</sub> from nitrate solution. Part I: Effect of current density. <i>Russian Journal of Electrochemistry</i> , <b>2013</b> , 49, 583-593	1.2	1
6	One-pot EPD/ECD fabrication of high-performance binder-free nanocomposite based on the Fe <sub>3</sub> O <sub>4</sub> nanoparticles/porous graphene sheets for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 19569-19586	2.1	1
5	Bi Metal-Organic Framework (Ce/Ni-BTC) as Heterogeneous Catalyst for the Green Synthesis of Substituted Chromeno[4, 3-b]quinolone under Solvent Free Condition. <i>Current Organic Synthesis</i> , <b>2021</b> , 18, 475-482	1.9	1
4	Ready-to-use binder-free Co(OH) plates@porous rGO layers/Ni foam electrode for high-performance supercapacitors.. <i>RSC Advances</i> , <b>2022</b> , 12, 9276-9291	3.7	1
3	Saccharide-capped Superparamagnetic Copper Cations-doped Magnetite Nanoparticles for Biomedical Applications: A Novel and Simple Synthesis Procedure, In-situ Surface Engineering and Characterization. <i>Current Nanoscience</i> , <b>2020</b> , 16, 770-778	1.4	0
2	Targeted Drug Delivery of Teniposide by Magnetic Nanocarrier. <i>Current Nanoscience</i> , <b>2020</b> , 16, 608-616	1.4	0
1	In situ growth of Ni(OH) <sub>2</sub> -porous nitrogen-doped graphene composite onto Ni foam support as advanced electrochemical supercapacitors materials. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	