

# Mir ghasem Hosseini

## 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.

177  
papers

4,738  
citations

36  
h-index

60  
g-index

181  
ext. papers

5,312  
ext. citations

4.1  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
177	Multi-walled carbon nanotube-supported Ni@Pd core-shell electrocatalyst for direct formate fuel cells. <i>Journal of Applied Electrochemistry</i> , <b>2022</b> , 52, 755	2.6	0
176	Polyaniline film decorated with cadmium sulfide- NrGO nanosheet heterostructure hybrid as highly efficient photoelectrocatalyst for water splitting. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 141, 106425	4.3	0
175	Efficient electrochemical removal of 5-fluorouracil pharmaceutical from wastewater by mixed metal oxides via anodic oxidation process.. <i>Chemosphere</i> , <b>2022</b> , 296, 134007	8.4	1
174	The use of silica in IrO <sub>2</sub> -based DSA type electrode: An efficient approach to construct cost-effective, potent electrodes for oxygen evolution reaction. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 285, 126086	4.4	0
173	Visible-light enhanced azo dye degradation and power generation in a microbial photoelectrochemical cell using AgBr/ZnO composite photocathode.. <i>Bioelectrochemistry</i> , <b>2022</b> , 146, 108139	5.6	0
172	Palladium-Nickel Electrocatalysts on Nitrogen-Doped Reduced Graphene Oxide Nanosheets for Direct Hydrazine/Hydrogen Peroxide Fuel Cells. <i>Catalysts</i> , <b>2021</b> , 11, 1372	4	2
171	Cobalt-modified palladium nanocatalyst on nitrogen-doped reduced graphene oxide for direct hydrazine fuel cell.. <i>RSC Advances</i> , <b>2021</b> , 11, 39223-39232	3.7	0
170	Metal Oxides for Supercapacitors <b>2021</b> , 245-283		0
169	Influence of lead (II) chloride and/or lead (II) bromide entrance on the efficiency and stability of methyl ammonium lead triiodide perovskite solar cell: Comparative study of the halide composition and substitution percentage. <i>Optical Materials</i> , <b>2021</b> , 113, 110888	3.3	1
168	Polyaniline grafted chitosan/GO-CNT/Fe <sub>3</sub> O <sub>4</sub> nanocomposite as a superior electrode material for supercapacitor application. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50976	2.9	6
167	Novel Bimetallic Pd <sub>X</sub> (X = Ni, Co) Nanoparticles Assembled on N-Doped Reduced Graphene Oxide as an Anode Catalyst for Highly Efficient Direct Sodium Borohydride/Hydrogen Peroxide Fuel Cells. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6025-6039	6.1	4
166	TaO-incorporated in photoinduced electrocatalyst of TiO-RuO decorated by PPy-NrGO nanocomposite for boosting overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 582, 254-269	9.3	11
165	Modification of polyaniline-WO <sub>3</sub> as a noble metal-free photo electrocatalyst with (6, 6) - Phenyl-C61- butyric acid methyl ester for solar photoelectrochemical water splitting. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 121, 105440	4.3	5
164	Synthesis of hexagonal cobalt hydroxide and cobalt oxide nanorings as promising materials for oxygen evolution and supercapacitive processes. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3887-3897	6.7	5
163	Pd <sub>2</sub> O nanoparticles decorated on different carbon based substrates as electrocatalyst for O <sub>2</sub> reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 28513-28526	6.7	2
162	Superior corrosion and wear resistance of pulse plated Ni <sub>3</sub> W <sub>2</sub> B/SiC composite coatings. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 270, 124761	4.4	3
161	Hierarchical FTO/PPy/ACo <sub>2</sub> O <sub>4</sub> (A: Mn or Ni) with stacks spinel structure as superb photoanodes for photoelectrochemical water splitting. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 272, 124953	4.4	1

160	Superior overall water splitting performance in polypyrrole photoelectrode by coupling NrGO and modifying electropolymerization substrate. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50507	2.9	1
159	Corrosion and Wear Study of Ni <sub>3</sub> W <sub>2</sub> B/WC Composite Coatings Electroplated by Pulse Plating. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 2000426	3.5	1
158	Preparation of Pulse Electrodeposited Ni-B Coating with RSM Software and Evaluation of Its Microhardness and Electrochemical Behavior. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2020</b> , 51, 3167-3179	2.3	2
157	Novel electrocatalysts for borohydride fuel cells: enhanced power generation by optimizing anodic core-shell nanoparticles on reduced graphene oxide. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11974-11987	3.6	1
156	Electrochemical advanced oxidation process of Phenazopyridine drug waste using different Ti-based IrO <sub>2</sub> -Ta <sub>2</sub> O <sub>5</sub> anodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 117, 103-111	5.3	8
155	Structural characterization, mechanical, and electrochemical studies of hydroxyapatite-titanium composite coating fabricated using electrophoretic deposition and reaction bonding process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2020</b> , 108, 2119-2130	3.5	6
154	Toward enhancing the photoelectrochemical water splitting efficiency of organic acid doped polyaniline-WO <sub>3</sub> photoanode by photo-assisted electrochemically reduced graphene oxide. <i>Electrochimica Acta</i> , <b>2020</b> , 333, 135475	6.7	20
153	Improved dye degradation and simultaneous electricity generation in a photoelectrocatalytic microbial fuel cell equipped with AgBr/CuO hybrid photocathode. <i>Journal of Power Sources</i> , <b>2020</b> , 474, 228589	8.9	15
152	Investigation of solar-induced photoelectrochemical water splitting and photocatalytic dye removal activities of camphor sulfonic acid doped polyaniline -WO <sub>3</sub> - MWCNT ternary nanocomposite. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 38, 7-18	9.1	17
151	Experimental investigation of MoS <sub>2</sub> /diesel oil nanofluid thermophysical and rheological properties. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 108, 104298	5.8	25
150	Pulse Plating of Ni-W-B Coating and Study of Its Corrosion and Wear Resistance. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2019</b> , 50, 5510-5524	2.3	5
149	Pulse plating of NiB/WC nanocomposite coating and study of its corrosion and wear resistance. <i>Materials Science and Technology</i> , <b>2019</b> , 35, 1248-1256	1.5	9
148	Fabrication and evaluation of the performance of Co/CoNiZnAg nanoporous structures as a good candidate for using as anode catalyst in a hydrazine fuel cell. <i>Materials Technology</i> , <b>2019</b> , 34, 697-703	2.1	
147	Facile and Scalable Synthesis of Ultrafine MnCo <sub>2</sub> O <sub>4</sub> Nanoparticles Via Mechanical Alloying as Supercapacitive Materials. <i>Jom</i> , <b>2019</b> , 71, 2396-2404	2.1	3
146	Preparation and characterization of hexagonal mesoporous FeCo(OH) <sub>2</sub> nanorings. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 284, 421-426	5.3	8
145	Enhancement of output power density and performance of direct borohydride-hydrogen peroxide fuel cell using Ni-Pd core-shell nanoparticles on polymeric composite supports (rGO-PANI) as novel electrocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 251, 37-48	21.8	25
144	Enhancement the anticorrosive resistance of epoxy coatings by incorporation of CeO <sub>2</sub> @ polyaniline @ 2-mercaptobenzotiazole nanocomposite. <i>Synthetic Metals</i> , <b>2019</b> , 250, 63-72	3.6	14
143	RuO <sub>2</sub> , RuO <sub>2</sub> @TiO <sub>2</sub> and RuO <sub>2</sub> @TiO <sub>2</sub> @O <sub>2</sub> nanoparticles supported on Ni mesh as mixed metal oxide electrodes for oxygen reduction reaction. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 1749-1760	2	3

142	Anchoring RuO <sub>2</sub> nanoparticles on reduced graphene oxide-multi-walled carbon nanotubes as a high-performance supercapacitor. <i>Ionics</i> , <b>2019</b> , 25, 2383-2391	2.7	17
141	NiB/SiC nanocomposite coating obtained by pulse plating and evaluation of its electrochemistry and mechanical properties. <i>Surface Engineering</i> , <b>2019</b> , 35, 861-872	2.6	21
140	TiO <sub>2</sub> nanoparticles with superior hydrogen evolution and pollutant degradation performance. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 24162-24173	6.7	8
139	Influence of electrodeposition potential, TiO <sub>2</sub> nanoparticles and chromium (III) inhibitor addition on the corrosion protection performance of organosilane coating on aluminium. <i>Transactions of the Institute of Metal Finishing</i> , <b>2019</b> , 97, 189-196	1.3	3
138	The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 836, 165-175	4.1	17
137	Low-cost nanowired MnO/C as an ORR catalyst in air-cathode microbial fuel cell. <i>Bioelectrochemistry</i> , <b>2019</b> , 125, 38-45	5.6	59
136	Epoxy coating with self-healing capability based on a 2-mercaptobenzothiazole-loaded CeO <sub>2</sub> nanocontainer. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47297	2.9	7
135	RuO <sub>2</sub> modification of graphene oxide-multiwalled carbon nanotubes as excellent positive electrode for vanadium redox flow battery. <i>Ionics</i> , <b>2019</b> , 25, 1215-1222	2.7	2
134	Self-healing waterborne polyurethane coating by pH-dependent triggered-release mechanism. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47082	2.9	15
133	High-power positive electrode based on synergistic effect of N- and WO <sub>3</sub> -decorated carbon felt for vanadium redox flow batteries. <i>Carbon</i> , <b>2018</b> , 136, 444-453	10.4	42
132	Green synthesis of water-soluble graphene nanosheets under solvent-free condition and in-situ anchored with MnO <sub>2</sub> as supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6692-6701	2.1	3
131	Electrochemical and Electromechanical Study of Carbon-Electrode-Based Ionic Soft Actuators. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 795-806	3.9	9
130	Preparation of Pt/G and PtNi/G nanocatalysts with high electrocatalytic activity for borohydride oxidation and investigation of different operation condition on the performance of direct borohydride-hydrogen peroxide fuel cell. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 208, 207-219	4.4	16
129	Mechanochemically synthesized NiCo <sub>2</sub> O <sub>4</sub> /Vulcan/PANI nanocomposite and investigation of its electrochemical behavior as a supercapacitor. <i>Ceramics International</i> , <b>2018</b> , 44, 20049-20057	5.1	12
128	Ni@Pd core-shell nanostructure supported on multi-walled carbon nanotubes as efficient anode nanocatalysts for direct methanol fuel cells with membrane electrode assembly prepared by catalyst coated membrane method. <i>Energy</i> , <b>2018</b> , 161, 1074-1084	7.9	23
127	Evaluation of the Electrochemical Activity and Stability of Ti/IrO <sub>2</sub> /Ta <sub>2</sub> O <sub>5</sub> Electrode as Anode in the Cathodic Protection Systems via Impressed Current. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2018</b> , 54, 700-708	0.9	3
126	Improving the anticorrosive performance of epoxy coatings by embedding various percentages of unmodified and imidazole modified CeO <sub>2</sub> nanoparticles. <i>Progress in Organic Coatings</i> , <b>2018</b> , 122, 56-63	4.8	28
125	Self-healing and corrosion protection performance of organic polysulfide@urea-formaldehyde resin core-shell nanoparticles in epoxy/PANI/ZnO nanocomposite coatings on anodized aluminum alloy. <i>Progress in Organic Coatings</i> , <b>2018</b> , 124, 110-121	4.8	23

124	Preparation and corrosion performance of healable waterborne polyurethane coatings containing isophoronediiisocyanate loaded silica capsules. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 93, 1-10	5.3	17
123	3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12104-12118	3.6	19
122	Towards Production of a Highly Catalytic and Stable Graphene-Wrapped Graphite Felt Electrode for Vanadium Redox Flow Batteries. <i>Batteries</i> , <b>2018</b> , 4, 63	5.7	3
121	Pd-Ni nanoparticle supported on reduced graphene oxide and multi-walled carbon nanotubes as electrocatalyst for oxygen reduction reaction. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2018</b> , 26, 675-687	1.8	5
120	The influence of electrodeposited conducting polymer electrode structure on the actuation performance of muscle-like ionic actuators. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 279, 204-215	3.9	9
119	Rapid and sensitive detection of hydrogen peroxide in milk by Enzyme-free electrochemiluminescence sensor based on a polypyrrole-cerium oxide nanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 271, 90-96	8.5	47
118	High performance direct hydrazine/hydrogen peroxide fuel cell using reduced graphene oxide supported Ni@M (M = Pt, Pd, Ru) nanoparticles as novel anodic electrocatalysts. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12222-12233	3.6	14
117	Synthesis and characterization of palladium nanoparticles immobilized on ZrO <sub>2</sub> nanotubes as a new highly active electrode for methanol electro-oxidation. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 1155-1163 <sup>2.4</sup>	2.4	3
116	Electrochemical behavior of a Nafion-membrane-based solid-state supercapacitor with a graphene oxide/multiwalled carbon nanotube/polypyrrole nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	16
115	Electrochemical and electromechanical behavior of Nafion-based soft actuators with PPy/CB/MWCNT nanocomposite electrodes. <i>RSC Advances</i> , <b>2017</b> , 7, 3190-3203	3.7	30
114	The comparison of direct borohydride-hydrogen peroxide fuel cell performance with membrane electrode assembly prepared by catalyst coated membrane method and catalyst coated gas diffusion layer method using Ni@Pt/C as anodic catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 10363-10375	6.7	19
113	A Novel High-Performance Supercapacitor based on Chitosan/Graphene Oxide-MWCNT/Polyaniline. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 496, 371-381	9.3	70
112	Carbon supported Ni <sub>1</sub> Pt <sub>1</sub> nanocatalyst as superior electrocatalyst with increased power density in direct borohydride-hydrogen peroxide and investigation of cell impedance at different temperatures and discharging currents. <i>Energy</i> , <b>2017</b> , 131, 137-148	7.9	19
111	A Development in Direct Borohydride/Hydrogen Peroxide Fuel Cell Using Nanostructured Ni-Pt/C Anode. <i>Fuel Cells</i> , <b>2017</b> , 17, 321-327	2.9	6
110	Fabrication of novel solid-state supercapacitor using a Nafion polymer membrane with graphene oxide/multiwalled carbon nanotube/polyaniline. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 2833-2848	2.6	16
109	Evaluation effect of electrodeposition parameters on superhydrophobicity and corrosion performance of nickel coatings. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2017</b> , 53, 88-93	0.9	9
108	Preparation method of Ni@Pt/C nanocatalyst affects the performance of direct borohydride-hydrogen peroxide fuel cell: Improved power density and increased catalytic oxidation of borohydride. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 500, 264-275	9.3	27
107	The effect of MWCNT content on electropolymerization of PPy film and electromechanical behavior of PPy electrode-based soft actuators. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 806, 136-149 <sup>4.1</sup>	4.1	14

106	Ni@M (M = Pt, Pd and Ru) core@shell nanoparticles on a Vulcan XC-72R support with superior catalytic activity toward borohydride oxidation: electrochemical and fuel cell studies. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13408-13417	3.6	15
105	Improvement of energy conversion efficiency and power generation in direct borohydride-hydrogen peroxide fuel cell: The effect of Ni-M core-shell nanoparticles (M = Pt, Pd, Ru)/Multiwalled Carbon Nanotubes on the cell performance. <i>Journal of Power Sources</i> , <b>2017</b> , 370, 87-97	8.9	30
104	Electrochemical impedance spectroscopy evaluation on the protective properties of epoxy/DBSA doped polyaniline-TiO <sub>2</sub> nanocomposite coated mild steel under cathodic polarization. <i>Surface and Coatings Technology</i> , <b>2017</b> , 331, 66-76	4.4	19
103	Electrooxidation of ethanol on platinum nanoparticles supported by ZrO <sub>2</sub> nanotube matrix as a new highly active electrode. <i>Russian Journal of Physical Chemistry A</i> , <b>2017</b> , 91, 1586-1591	0.7	4
102	Porous Co/CoNiPt nanostructures prepared by galvanic replacement towards methanol electro-oxidation. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 305-313	2.4	7
101	Electrochemical, Structural and Nano Tribological Behavior of Ni-W-PTFE Nanocomposite Coatings Prepared by Tartrate Bath. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 5140-5153	2.2	9
100	Effect of Water and Fluoride Content of Anodizing Electrolyte on Morphology and Corrosion Behavior of ZrO <sub>2</sub> -Nanotubes Developed on Zirconium Implant. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 1129-1135	1.6	9
99	Enhanced Photocatalytic Activity of Ag Doped ZnO Nanorods for Degradation of an Azo Dye. <i>Water Environment Research</i> , <b>2016</b> , 88, 2001-2007	2.8	5
98	Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported Ru-based catalysts in alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 8803-8818	6.7	11
97	Synthesis, Characterization and Electrochemical Study of Graphene Oxide-Multi Walled Carbon Nanotube-Manganese Oxide-Polyaniline Electrode as Supercapacitor. <i>Journal of Materials Science and Technology</i> , <b>2016</b> , 32, 763-773	9.1	43
96	Evaluation of corrosion, mechanical and structural properties of new Ni/WBCTFE nanocomposite coating. <i>Surface and Coatings Technology</i> , <b>2016</b> , 298, 114-120	4.4	18
95	Preparation of a Ni/Mo/BCTFE nanocomposite coating and evaluation of its nano-tribological, mechanical and electrochemical performance. <i>RSC Advances</i> , <b>2016</b> , 6, 78774-78783	3.7	10
94	Electrocatalytical study of carbon supported Pt, Ru and bimetallic Pt/Ru nanoparticles for oxygen reduction reaction in alkaline media. <i>Applied Surface Science</i> , <b>2015</b> , 345, 223-231	6.7	32
93	Corrosion and biological behavior of nanostructured 316L stainless steel processed by severe plastic deformation. <i>Surface and Interface Analysis</i> , <b>2015</b> , 47, 978-985	1.5	13
92	Turn-on fluorescent chemosensor for determination of lutetium ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 1231-4	4.4	10
91	Effect of Equal Channel Angular Pressing Process on the Corrosion Behavior of Type 316L Stainless Steel in Ringer's Solution. <i>Corrosion</i> , <b>2015</b> , 71, 367-375	1.8	11
90	Fabrication, characterisation and investigation of zirconium oxide corrosion behaviour on resistance of zirconium oxide nanotubes in artificial saliva as biological environment. <i>Corrosion Engineering Science and Technology</i> , <b>2015</b> , 50, 533-537	1.7	4
89	Selective recognition of Ni <sup>2+</sup> ion based on fluorescence enhancement chemosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 140, 283-7	4.4	22

88	Corrosion resistance of Ni <sub>80</sub> Co alloy and Ni <sub>80</sub> Co/SiC nanocomposite coatings electrodeposited by sediment codeposition technique. <i>Applied Surface Science</i> , <b>2014</b> , 307, 351-359	6.7	91
87	An investigation on the effect of surface morphology and crystalline texture on corrosion behavior, structural and magnetic properties of electrodeposited nanocrystalline nickel films. <i>Applied Surface Science</i> , <b>2014</b> , 292, 795-805	6.7	63
86	Magnetic Behavior of Single Ni Nanowires and its Arrays Embedded in Highly Ordered Nanoporous Alumina Templates. <i>Solid State Phenomena</i> , <b>2014</b> , 215, 298-305	0.4	1
85	Different TiO <sub>2</sub> nanotubes for back illuminated dye sensitized solar cell: fabrication, characterization and electrochemical impedance properties of DSSCs. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 5027-5034	2.1	38
84	Investigation of corrosion resistance of electrodeposited Ni <sub>80</sub> W/SiC composite coatings. <i>Corrosion Engineering Science and Technology</i> , <b>2014</b> , 49, 247-253	1.7	21
83	Yb-doped ZnSe nanoparticles: synthesis, physical properties and photocatalytic activity. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 6950-6	1.3	6
82	Hydrothermal synthesis and characterization of Nd-doped ZnSe nanoparticles with enhanced visible light photocatalytic activity. <i>Research on Chemical Intermediates</i> , <b>2014</b> , 40, 495-508	2.8	26
81	Investigation of the porous nanostructured Cu/Ni/AuNi electrode for sodium borohydride electrooxidation. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 215-222	6.7	31
80	Methanol electro-oxidation on a porous nanostructured Ni/Pd-Ni electrode in alkaline media. <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 1712-1719	11.3	29
79	APPLICATION AND COMPARISON OF CURRENT INTERRUPTION AND ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY METHODS TO STUDY A MICROBIAL FUEL CELL. <i>Instrumentation Science and Technology</i> , <b>2013</b> , 41, 72-81	1.4	2
78	Refinement of electrodeposition mechanism for fabrication of thin nickel films on n-type silicon (111). <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 690, 136-143	4.1	23
77	Synthesis and characterization of porous nanostructured Ni/PdNi electrode towards electrooxidation of borohydride. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 5449-5456	6.7	33
76	Electrochemical impedance study on methyl orange and methyl red as power enhancing electron mediators in glucose fed microbial fuel cell. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2013</b> , 44, 617-621	5.3	15
75	Effect of Ti-containing inclusions on the nucleation of acicular ferrite and mechanical properties of multipass weld metals. <i>Micron</i> , <b>2013</b> , 45, 107-114	2.3	79
74	Gold nanoparticles deposited on polyaniline nanofibres as for electro-oxidation of hydrazine. <i>Surface Engineering</i> , <b>2013</b> , 29, 65-69	2.6	16
73	Preparation Ce(III) conversion coatings on electrodeposited Zn <sub>80</sub> Ni alloy and comparison of their corrosion performance and morphology with Cr(VI) conversion coatings. <i>Surface Engineering</i> , <b>2013</b> , 29, 1-5	2.6	8
72	Synthesis and Characterization of Er <sub>x</sub> Zn <sub>1-x</sub> Se Nanoparticles: A Novel Visible Light Responsive Photocatalyst. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 1074-1082	2.3	34
71	UV-cleaning properties of Pt nanoparticle-decorated titania nanotubes in the electro-oxidation of methanol: An anti-poisoning and refreshable electrode. <i>Electrochimica Acta</i> , <b>2012</b> , 70, 1-9	6.7	48

70	Influence of metal oxide nanoparticles on pseudocapacitive behavior of wet-spun polyaniline-multiwall carbon nanotube fibers. <i>Electrochimica Acta</i> , <b>2012</b> , 70, 182-192	6.7	60
69	Fabrication and photo-electrocatalytic activity of highly oriented titania nanotube loaded with platinum nanoparticles for electro-oxidation of lactose: A new recyclable electro-catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 355, 216-222		10
68	Preparation, characterization, and application of alkaline leached Ni/Zn/Ni binary coatings for electro-oxidation of methanol in alkaline solution. <i>Journal of Applied Electrochemistry</i> , <b>2012</b> , 42, 153-162 <sup>2.6</sup>	2.6	26
67	Deposition and corrosion resistance of electroless Ni-PCTFE-P nanocomposite coatings. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4546-4552	4.4	10
66	A dual-chambered microbial fuel cell with Ti/nano-TiO <sub>2</sub> /Pd nano-structure cathode. <i>Journal of Power Sources</i> , <b>2012</b> , 220, 292-297	8.9	35
65	High-density nickel nanowire arrays for data storage applications. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 345, 012011	0.3	22
64	Magnetic Properties of Nickel Nanowire Arrays Patterned by Template Electrodeposition. <i>Solid State Phenomena</i> , <b>2012</b> , 190, 522-525	0.4	4
63	Electrocatalytic Oxidation of Sodium Borohydride on a Nanoporous Ni/Zn-Ni Electrode. <i>Chinese Journal of Catalysis</i> , <b>2012</b> , 33, 1817-1824	11.3	20
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37	The effect of Tl(I) on the hard gold alloy electrodeposition of Au <sub>70</sub> Co from acid baths. <i>Journal of Electroanalytical Chemistry</i> , <b>2010</b> , 645, 109-114	4.1	14
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32	Polypyrrole and polypyrrole/tungstate electropolymerization coatings on carbon steel and evaluating their corrosion protection performance via electrochemical impedance spectroscopy. <i>Progress in Organic Coatings</i> , <b>2009</b> , 64, 429-434	4.8	41
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