

Mir ghasem Hosseini

List of Publications by Year in descending order

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179
papers

6,251
citations

76294

40
h-index

91828

69
g-index

181
all docs

181
docs citations

181
times ranked

5603
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetrical Schiff bases as inhibitors of mild steel corrosion in sulphuric acid media. <i>Materials Chemistry and Physics</i> , 2003, 78, 800-808.	2.0	433
2	Synergism and antagonism in mild steel corrosion inhibition by sodium dodecylbenzenesulphonate and hexamethylenetetramine. <i>Corrosion Science</i> , 2003, 45, 1473-1489.	3.0	250
3	EN, EIS and polarization studies to evaluate the inhibition effect of 3H-phenothiazin-3-one, 7-dimethylamin on mild steel corrosion in 1M HCl solution. <i>Corrosion Science</i> , 2008, 50, 3363-3370.	3.0	246
4	Niâ€“TiO ₂ nanocomposite coating with high resistance to corrosion and wear. <i>Surface and Coatings Technology</i> , 2010, 204, 3804-3810.	2.2	245
5	Protection of mild steel corrosion with Schiff bases in 0.5M H ₂ SO ₄ solution. <i>Electrochimica Acta</i> , 2007, 52, 3680-3685.	2.6	168
6	Investigation of physical properties and cell performance of Nafion/TiO ₂ nanocomposite membranes for high temperature PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9252-9260.	3.8	151
7	Corrosion resistance of Niâ€“Co alloy and Niâ€“Co/SiC nanocomposite coatings electrodeposited by sediment codeposition technique. <i>Applied Surface Science</i> , 2014, 307, 351-359.	3.1	131
8	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1 M HCl solution by EIS. <i>Materials Chemistry and Physics</i> , 2009, 115, 852-858.	2.0	105
9	Inhibition of copper corrosion by self-assembled films of new Schiff bases and their modification with alkanethiols in aqueous medium. <i>Applied Surface Science</i> , 2006, 252, 2949-2959.	3.1	104
10	Effect of polyanilineâ€“montmorillonite nanocomposite powders addition on corrosion performance of epoxy coatings on Al 5000. <i>Surface and Coatings Technology</i> , 2011, 206, 280-286.	2.2	102
11	Effect of Ti-containing inclusions on the nucleation of acicular ferrite and mechanical properties of multipass weld metals. <i>Micron</i> , 2013, 45, 107-114.	1.1	96
12	A Novel High-Performance Supercapacitor based on Chitosan/Graphene Oxide-MWCNT/Polyaniline. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 371-381.	5.0	93
13	Electrochemical studies of Znâ€“Ni alloy coatings from non-cyanide alkaline bath containing tartrate as complexing agent. <i>Surface and Coatings Technology</i> , 2008, 202, 2897-2904.	2.2	91
14	Low-cost nanowired Î±-MnO ₂ /C as an ORR catalyst in air-cathode microbial fuel cell. <i>Bioelectrochemistry</i> , 2019, 125, 38-45.	2.4	88
15	Synergistic effect on corrosion inhibition of copper by sodium dodecylbenzenesulphonate (SDBS) and 2-mercaptobenzoxazole. <i>Materials Chemistry and Physics</i> , 2008, 109, 281-286.	2.0	84
16	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> , 2014, 292, 795-805.	3.1	83
17	Experimental investigation of MoS ₂ /diesel oil nanofluid thermophysical and rheological properties. <i>International Communications in Heat and Mass Transfer</i> , 2019, 108, 104298.	2.9	80
18	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> , 2018, 271, 90-96.	4.0	77

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19	An in-situ infrared spectroscopic study of the adsorption of citrate on Au(111) electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003, 542, 67-74.	1.9	75
20	Effect of polypyrrole-montmorillonite nanocomposites powder addition on corrosion performance of epoxy coatings on Al 5000. <i>Progress in Organic Coatings</i> , 2009, 66, 321-327.	1.9	71
21	Corrosion protection of mild steel by polypyrrole phosphate composite coating. <i>Progress in Organic Coatings</i> , 2007, 60, 178-185.	1.9	70
22	Influence of metal oxide nanoparticles on pseudocapacitive behavior of wet-spun polyaniline-multiwall carbon nanotube fibers. <i>Electrochimica Acta</i> , 2012, 70, 182-192.	2.6	70
23	Corrosion Protection of Electro-Galvanized Steel by Green Conversion Coatings. <i>Journal of Rare Earths</i> , 2007, 25, 537-543.	2.5	62
24	Highly Active Nickel Nanoparticles Supported on TiO ₂ Nanotube Electrodes for Methanol Electrooxidation. <i>Electroanalysis</i> , 2010, 22, 2620-2625.	1.5	62
25	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by EIS. <i>Materials Chemistry and Physics</i> , 2009, 113, 986-993.	2.0	60
26	High-power positive electrode based on synergistic effect of N- and WO ₃ -decorated carbon felt for vanadium redox flow batteries. <i>Carbon</i> , 2018, 136, 444-453.	5.4	60
27	Electrochemical fabrication of polyaniline films containing gold nanoparticles deposited on titanium electrode for electro-oxidation of ascorbic acid. <i>Journal of Materials Science</i> , 2010, 45, 2365-2371.	1.7	57
28	Silver nanoparticles dispersed in polyaniline matrixes coated on titanium substrate as a novel electrode for electro-oxidation of hydrazine. <i>Journal of Materials Science</i> , 2010, 45, 3304-3310.	1.7	55
29	Electropolymerization of polypyrrole and polypyrrole-ZnO nanocomposites on mild steel and its corrosion protection performance. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3159-3166.	1.3	55
30	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> , 2012, 70, 1-9.	2.6	53
31	Electro-oxidation of hydrazine on gold nanoparticles supported on TiO ₂ nanotube matrix as a new high active electrode. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 199-204.	4.8	51
32	Gold particles supported on self-organized nanotubular TiO ₂ matrix as highly active catalysts for electrochemical oxidation of glucose. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1109-1115.	1.2	50
33	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> , 2016, 32, 763-773.	5.6	49
34	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> , 2019, 251, 37-48.	10.8	49
35	Effect of rare earth (Ce, La) compounds in the electroless bath on the plating rate, bath stability and microstructure of the nickel-phosphorus deposits. <i>Surface and Coatings Technology</i> , 2008, 202, 1615-1620.	2.2	48
36	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> , 2018, 124, 110-121.	1.9	48

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37	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> , 2009, 64, 429-434.	1.9	44
38	Synergism in copper corrosion inhibition by sodium dodecylbenzenesulphonate and 2-mercaptobenzoimidazole. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1629-1636.	1.5	43
39	Inhibition of 3003 aluminum alloy corrosion by propargyl alcohol and tartrate ion and their synergistic effects in 0.5% NaCl solution. <i>Materials Chemistry and Physics</i> , 2008, 109, 199-205.	2.0	43
40	Electrodeposition of platinum metal on titanium and anodised titanium from P salt: Application to electro-oxidation of glycerol. <i>Surface Engineering</i> , 2007, 23, 419-424.	1.1	42
41	An innovative approach to electro-oxidation of dopamine on titanium dioxide nanotubes electrode modified by gold particles. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1421-1427.	1.5	42
42	A dual-chambered microbial fuel cell with Ti/nano-TiO ₂ /Pd nano-structure cathode. <i>Journal of Power Sources</i> , 2012, 220, 292-297.	4.0	42
43	Electrocatalytic study of carbon supported Pt, Ru and bimetallic Pt-Ru nanoparticles for oxygen reduction reaction in alkaline media. <i>Applied Surface Science</i> , 2015, 345, 223-231.	3.1	42
44	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> , 2020, 474, 228589.	4.0	42
45	Electrochemical and electromechanical behavior of Nafion-based soft actuators with PPy/CB/MWCNT nanocomposite electrodes. <i>RSC Advances</i> , 2017, 7, 3190-3203.	1.7	41
46	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> , 2017, 370, 87-97.	4.0	40
47	Investigation of the porous nanostructured Cu/Ni/AuNi electrode for sodium borohydride electrooxidation. <i>Electrochimica Acta</i> , 2013, 114, 215-222.	2.6	39
48	Different TiO ₂ 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> , 2014, 25, 5027-5034.	1.1	39
49	Comparison between polyaniline-phosphate and polypyrrole-phosphate composite coatings for mild steel corrosion protection. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2006, 57, 407-410.	0.8	37
50	Self-humidifying nanocomposite membranes based on sulfonated poly(ether ether ketone) and heteropolyacid supported Pt catalyst for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 10940-10957.	3.8	37
51	Application of titanium oxide nanotube films containing gold nanoparticles for the electroanalytical determination of ascorbic acid. <i>Thin Solid Films</i> , 2011, 519, 3457-3461.	0.8	37
52	Methanol electro-oxidation on a porous nanostructured Ni/Pd-Ni electrode in alkaline media. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1712-1719.	6.9	37
53	Synthesis and characterization of porous nanostructured Ni/PdNi electrode towards electrooxidation of borohydride. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5449-5456.	3.8	37
54	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> , 2018, 161, 1074-1084.	4.5	36

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55	Improving the anticorrosive performance of epoxy coatings by embedding various percentages of unmodified and imidazole modified CeO ₂ nanoparticles. <i>Progress in Organic Coatings</i> , 2018, 122, 56-63.	1.9	36
56	Toward enhancing the photoelectrochemical water splitting efficiency of organic acid doped polyaniline-WO ₃ photoanode by photo-assisted electrochemically reduced graphene oxide. <i>Electrochimica Acta</i> , 2020, 333, 135475.	2.6	36
57	Corrosion inhibition of copper in sulphuric acid by some nitrogen heterocyclic compounds. <i>Anti-Corrosion Methods and Materials</i> , 2007, 54, 308-313.	0.6	34
58	Synthesis and Characterization of Er³⁺/Zn²⁺/Se Nanoparticles: A Novel Visible Light Responsive Photocatalyst. <i>Science of Advanced Materials</i> , 2013, 5, 1074-1082.	0.1	34
59	Innovation in acid pickling treatments of copper by characterizations of a new series of Schiff bases as corrosion inhibitors. <i>Anti-Corrosion Methods and Materials</i> , 2006, 53, 296-302.	0.6	33
60	High-density nickel nanowire arrays for data storage applications. <i>Journal of Physics: Conference Series</i> , 2012, 345, 012011.	0.3	33
61	Ni@B/SiC nanocomposite coating obtained by pulse plating and evaluation of its electrochemistry and mechanical properties. <i>Surface Engineering</i> , 2019, 35, 861-872.	1.1	33
62	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> , 2012, 42, 153-162.	1.5	32
63	Investigation of corrosion resistance of electrodeposited Ni@W/SiC composite coatings. <i>Corrosion Engineering Science and Technology</i> , 2014, 49, 247-253.	0.7	31
64	Hydrothermal synthesis and characterization of Nd-doped ZnSe nanoparticles with enhanced visible light photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2014, 40, 495-508.	1.3	31
65	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> , 2017, 134, .	1.3	31
66	3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance. <i>New Journal of Chemistry</i> , 2018, 42, 12104-12118.	1.4	31
67	Platinum nanoparticle-decorated TiO ₂ nanotube arrays as new highly active and non-poisoning catalyst for photo-electrochemical oxidation of galactose. <i>Applied Catalysis A: General</i> , 2012, 427-428, 35-42.	2.2	29
68	Refinement of electrodeposition mechanism for fabrication of thin nickel films on n-type silicon (111). <i>Journal of Electroanalytical Chemistry</i> , 2013, 690, 136-143.	1.9	29
69	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> , 2017, 500, 264-275.	5.0	29
70	Investigation of solar-induced photoelectrochemical water splitting and photocatalytic dye removal activities of camphor sulfonic acid doped polyaniline -WO ₃ - MWCNT ternary nanocomposite. <i>Journal of Materials Science and Technology</i> , 2020, 38, 7-18.	5.6	29
71	Protection of mild steel corrosion with new thia-derivative Salens in 0.5M H ₂ SO ₄ solution. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 215-223.	1.5	28
72	Electrochemical impedance spectroscopy evaluation on the protective properties of epoxy/DBSAdoped polyaniline-TiO ₂ nanocomposite coated mild steel under cathodic polarization. <i>Surface and Coatings Technology</i> , 2017, 331, 66-76.	2.2	28

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73	Enhancement the anticorrosive resistance of epoxy coatings by incorporation of CeO ₂ @ polyaniline @ 2-mercaptobenzotiazole nanocomposite. <i>Synthetic Metals</i> , 2019, 250, 63-72.	2.1	27
74	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> , 2018, 208, 207-219.	2.0	26
75	Selective recognition of Ni ²⁺ ion based on fluorescence enhancement chemosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 283-287.	2.0	25
76	The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 165-175.	1.9	25
77	Corrosion and biological behavior of nanostructured 316L stainless steel processed by severe plastic deformation. <i>Surface and Interface Analysis</i> , 2015, 47, 978-985.	0.8	24
78	Inhibition effect of 3,5 bis (2-pyridil) 4-amino 1,2,4 triazole and 1-10 phenantrolin on corrosion of mild steel in acid solutions. <i>Corrosion Engineering Science and Technology</i> , 2002, 37, 76-80.	0.3	23
79	Effect of carbon steel microstructure and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by DC, SEM and XRD studies. <i>Materials Chemistry and Physics</i> , 2010, 120, 134-141.	2.0	23
80	Fabrication of Au@Nanoparticle/TiO ₂ @Nanotubes Electrodes Using Electrochemical Methods and Their Application for Electrocatalytic Oxidation of Hydroquinone. <i>Electroanalysis</i> , 2011, 23, 1654-1662.	1.5	23
81	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> , 2018, 42, 12222-12233.	1.4	23
82	Anchoring RuO ₂ nanoparticles on reduced graphene oxide-multi-walled carbon nanotubes as a high-performance supercapacitor. <i>Ionics</i> , 2019, 25, 2383-2391.	1.2	23
83	Electrocatalytic Oxidation of Sodium Borohydride on a Nanoporous Ni/Zn-Ni Electrode. <i>Chinese Journal of Catalysis</i> , 2012, 33, 1817-1824.	6.9	22
84	Evaluation of corrosion, mechanical and structural properties of new Ni@W@PCTFE nanocomposite coating. <i>Surface and Coatings Technology</i> , 2016, 298, 114-120.	2.2	22
85	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> , 2017, 42, 10363-10375.	3.8	22
86	Adsorption of 2-mercaptobenzimidazole on a Au(111) electrode. <i>Electrochimica Acta</i> , 2005, 50, 4275-4282.	2.6	21
87	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> , 2017, 806, 136-149.	1.9	21
88	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> , 2017, 41, 13408-13417.	1.4	21
89	Preparation and corrosion performance of healable waterborne polyurethane coatings containing isophoronedisocyanate loaded silica capsules. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 1-10.	2.7	21
90	The effect of Tl(I) on the hard gold alloy electrodeposition of Au@Co from acid baths. <i>Journal of Electroanalytical Chemistry</i> , 2010, 645, 109-114.	1.9	20

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91	An innovative electrochemical approach for voltammetric determination of levodopa using gold nanoparticles doped on titanium dioxide nanotubes. <i>Mikrochimica Acta</i> , 2011, 172, 103-108.	2.5	20
92	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> , 2013, 44, 617-621.	2.7	20
93	Carbon supported Ni 1 Pt 1 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> , 2017, 131, 137-148.	4.5	20
94	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> , 2017, 21, 2833-2848.	1.2	20
95	Self-healing waterborne polyurethane coating by pH-dependent triggered release mechanism. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47082.	1.3	20
96	Electrodeposition of Ni-W-B nanocomposite from tartrate electrolyte as alternative to chromium plating. <i>Surface Engineering</i> , 2009, 25, 382-388.	1.1	19
97	Mechanochemically synthesized NiCo ₂ O ₄ /Vulcan/PANI nanocomposite and investigation of its electrochemical behavior as a supercapacitor. <i>Ceramics International</i> , 2018, 44, 20049-20057.	2.3	19
98	Electrochemical advanced oxidation process of Phenazopyridine drug waste using different Ti-based IrO ₂ -Ta ₂ O ₅ anodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 117, 103-111.	2.7	19
99	Determination of suitable corrosion inhibitor formulation for a potable water supply. <i>Anti-Corrosion Methods and Materials</i> , 2004, 51, 399-405.	0.6	18
100	Evaluation of the Performance of Platinum Nanoparticle-Titanium Oxide Nanotubes as a New Refreshable Electrode for Formic Acid Electrooxidation. <i>Fuel Cells</i> , 2012, 12, 406-414.	1.5	18
101	Gold nanoparticles deposited on polyaniline nanofibres as for electro-oxidation of hydrazine. <i>Surface Engineering</i> , 2013, 29, 65-69.	1.1	18
102	TiO ₂ nanoparticles with superior hydrogen evolution and pollutant degradation performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24162-24173.	3.8	18
103	Epoxy coating with self-healing capability based on a mercaptobenzothiazole-loaded CeO ₂ nanocontainer. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47297.	1.3	18
104	Novel Bimetallic Pd-X (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> , 2021, 4, 6025-6039.	2.5	18
105	Deposition and corrosion resistance of electroless Ni-PCTFE-P nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2012, 206, 4546-4552.	2.2	17
106	Synergistic effect of dodecanethiol upon inhibition of Schiff bases on carbon steel corrosion in sulphuric acid media. <i>Anti-Corrosion Methods and Materials</i> , 2006, 53, 147-152.	0.6	16
107	Improving corrosion protection performance of polypyrrole coating by tungstate ion dopants. <i>Russian Journal of Electrochemistry</i> , 2007, 43, 1390-1397.	0.3	16
108	Comparison of the corrosion protection of mild steel by polypyrrole-phosphate and polypyrrole-tungstenate coatings. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2733-2741.	1.3	16

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109	Effect of Equal Channel Angular Pressing Process on the Corrosion Behavior of Type 316L Stainless Steel in Ringer's Solution. <i>Corrosion</i> , 2015, 71, 367-375.	0.5	16
110	Preparation of a Ni-Mo-PCTFE nanocomposite coating and evaluation of its nano-tribological, mechanical and electrochemical performance. <i>RSC Advances</i> , 2016, 6, 78774-78783.	1.7	16
111	Electrochemical, Structural and Nano Tribological Behavior of Ni-W-PTFE Nanocomposite Coatings Prepared by Tartrate Bath. <i>International Journal of Electrochemical Science</i> , 2016, 11, 5140-5153.	0.5	15
112	Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported Ru-based catalysts in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8803-8818.	3.8	14
113	Pulse plating of Ni-B/WC nanocomposite coating and study of its corrosion and wear resistance. <i>Materials Science and Technology</i> , 2019, 35, 1248-1256.	0.8	14
114	Polyaniline grafted chitosan/GO-CNT/Fe ₃ O ₄ nanocomposite as a superior electrode material for supercapacitor application. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50976.	1.3	14
115	Efficient electrochemical removal of 5-fluorouracil pharmaceutical from wastewater by mixed metal oxides via anodic oxidation process. <i>Chemosphere</i> , 2022, 296, 134007.	4.2	14
116	Morphological characterization of AA5083-H321 aluminum alloy corrosion in NaCl solution under hydrodynamic conditions. <i>Anti-Corrosion Methods and Materials</i> , 2009, 56, 35-42.	0.6	13
117	Ta ₂ O ₅ -incorporated in photoinduced electrocatalyst of TiO ₂ -RuO ₂ decorated by PPy-NrGO nanocomposite for boosting overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 254-269.	5.0	13
118	Palladium-Nickel Electrocatalysts on Nitrogen-Doped Reduced Graphene Oxide Nanosheets for Direct Hydrazine/Hydrogen Peroxide Fuel Cells. <i>Catalysts</i> , 2021, 11, 1372.	1.6	13
119	Evaluation effect of electrodeposition parameters on superhydrophobicity and corrosion performance of nickel coatings. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017, 53, 88-93.	0.3	12
120	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> , 2018, 26, 675-687.	1.0	12
121	The influence of electrodeposited conducting polymer electrode structure on the actuation performance of muscle-like ionic actuators. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 204-215.	2.0	12
122	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> , 2019, 50, 5510-5524.	1.1	12
123	Electrodeposition and mechanical properties of Ni-W-B composites from tartrate bath. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010, 46, 117-122.	0.3	11
124	Electrodeposition mechanism of nickel films on polycrystalline copper from dilute simple sulphate solutions. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 787-792.	0.3	11
125	Turn-on fluorescent chemosensor for determination of lutetium ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1231-1234.	2.0	11
126	Effect of Water and Fluoride Content of Anodizing Electrolyte on Morphology and Corrosion Behavior of ZrO ₂ -Nanotubes Developed on Zirconium Implant. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1129-1135.	1.2	11

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127	Porous Co/Co ²⁺ Ni ²⁺ Pt nanostructures prepared by galvanic replacement towards methanol electro-oxidation. <i>Journal of Porous Materials</i> , 2017, 24, 305-313.	1.3	11
128	Electrochemical and Electromechanical Study of Carbon-Electrode-Based Ionic Soft Actuators. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 795-806.	1.8	11
129	Preparation and characterization of hexagonal mesoporous γ -Co(OH) ₂ nanorings. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 421-426.	2.2	11
130	Structural characterization, mechanical, and electrochemical studies of hydroxyapatite ²⁺ titanium composite coating fabricated using electrophoretic deposition and reaction bonding process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2119-2130.	1.6	11
131	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> , 2021, 46, 3887-3897.	3.8	11
132	Pd ²⁺ Co nanoparticles decorated on different carbon based substrates as electrocatalyst for O ₂ reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28513-28526.	3.8	11
133	SYNTHESIS AND CHARACTERIZATION OF PALLADIUM NANOPARTICLES IMMOBILIZED ON TiO_2 NANOTUBES AS A NEW HIGH ACTIVE ELECTRODE FOR METHANOL ELECTRO-OXIDATION. <i>International Journal of Nanoscience</i> , 2012, 11, 1250016.	0.4	10
134	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> , 2012, 355, 216-222.	4.8	10
135	Preparation Ce(III) conversion coatings on electrodeposited Zn ²⁺ Ni alloy and comparison of their corrosion performance and morphology with Cr(VI) conversion coatings. <i>Surface Engineering</i> , 2013, 29, 1-5.	1.1	10
136	Superior corrosion and wear resistance of pulse plated Ni ²⁺ W ⁶⁺ B/SiC composite coatings. <i>Materials Chemistry and Physics</i> , 2021, 270, 124761.	2.0	10
137	Preparation and electrocatalytic activity of gold nanoparticle embedded in highly ordered TiO_2 nanotube array electrode for electro-oxidation of galactose. <i>Surface Engineering</i> , 2011, 27, 784-789.	1.1	9
138	A Development in Direct Borohydride/Hydrogen Peroxide Fuel Cell Using Nanostructured Ni ²⁺ Pt/C Anode. <i>Fuel Cells</i> , 2017, 17, 321-327.	1.5	9
139	Modification of polyaniline-WO ₃ as a noble metal-free photo electrocatalyst with (6, 6) - Phenyl-C61-butyl acid methyl ester for solar photoelectrochemical water splitting. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105440.	1.9	9
140	Effect of cathodic polarisation on pitting corrosion of AA5083-H321 aluminium ²⁺ magnesium alloy in stagnant 3-5% NaCl solution. <i>Corrosion Engineering Science and Technology</i> , 2009, 44, 144-148.	0.7	8
141	Preparation of ZnO, ZnFe ₂ O ₄ and ZnO-SnO ₂ nanocrystals and investigation of their photocatalytic activity. <i>International Journal of Nanotechnology</i> , 2009, 6, 984.	0.1	8
142	Geometry Dependent Magnetic Properties of Ni Nanowires Embedded in Self-Assembled Arrays. <i>Physics Procedia</i> , 2011, 22, 549-556.	1.2	8
143	Enhanced Photocatalytic Activity of Ag Doped ZnO Nanorods for Degradation of an Azo Dye. <i>Water Environment Research</i> , 2016, 88, 2001-2007.	1.3	8
144	The use of silica in IrO ₂ -based DSA type electrode: An efficient approach to construct cost-effective, potent electrodes for oxygen evolution reaction. <i>Materials Chemistry and Physics</i> , 2022, 285, 126086.	2.0	8

#	ARTICLE	IF	CITATIONS
145	Visible-light enhanced azo dye degradation and power generation in a microbial photoelectrochemical cell using AgBr/ZnO composite photocathode. <i>Bioelectrochemistry</i> , 2022, 146, 108139.	2.4	8
146	Influence of tungstate ion dopants in corrosion protection behavior of polyaniline coating on mild steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2008, 59, 814-818.	0.8	7
147	Facile and Scalable Synthesis of Ultrafine MnCo ₂ O ₄ Nanoparticles Via Mechanical Alloying as Supercapacitive Materials. <i>Jom</i> , 2019, 71, 2396-2404.	0.9	7
148	Improvement of the conductivity, electroactivity, and redoxability of polythiophene by electropolymerization of thiophene in the presence of catalytic amount of 1-(2-pyrrolyl)-2-(thienyl) ethylene (PTE). <i>Journal of Applied Polymer Science</i> , 2008, 108, 2700-2706.	1.3	6
149	Polyaniline nanofibers supported on titanium as templates for immobilization of Pd nanoparticles: A new electrocatalyst for hydrazine oxidation. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4671-4677.	1.3	6
150	Yb-Doped ZnSe Nanoparticles: Synthesis, Physical Properties and Photocatalytic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6950-6956.	0.9	6
151	RuO ₂ , RuO ₂ @TiO ₂ and RuO ₂ @TiO ₂ @IrO ₂ nanoparticles supported on Ni mesh as mixed metal oxide electrodes for oxygen reduction reaction. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1749-1760.	1.2	6
152	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> , 2020, 44, 11974-11987.	1.4	6
153	Multi-walled carbon nanotube-supported Ni@Pd core-shell electrocatalyst for direct formate fuel cells. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 755-764.	1.5	6
154	Photodegradation of an azo dye by silver-doped nano-particulate titanium dioxide. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1591-1601.	0.6	5
155	RuO ₂ modification of graphene oxide-multiwalled carbon nanotubes as excellent positive electrode for vanadium redox flow battery. <i>Ionics</i> , 2019, 25, 1215-1222.	1.2	5
156	Corrosion and Wear Study of Ni-W-B/WC Composite Coatings Electroplated by Pulse Plating. <i>Advanced Engineering Materials</i> , 2020, 22, 2000426.	1.6	5
157	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> , 2020, 51, 3167-3179.	1.1	5
158	Magnetic Properties of Nickel Nanowire Arrays Patterned by Template Electrodeposition. <i>Solid State Phenomena</i> , 2012, 190, 522-525.	0.3	4
159	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> , 2015, 50, 533-537.	0.7	4
160	Electrooxidation of ethanol on platinum nanoparticles supported by ZrO ₂ nanotube matrix as a new highly active electrode. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 1586-1591.	0.1	4
161	Green synthesis of water-soluble graphene nanosheets under solvent-free condition and in-situ anchored with MnO ₂ as supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6692-6701.	1.1	4
162	Influence of electrodeposition potential, TiO ₂ 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> , 2019, 97, 189-196.	0.6	4

#	ARTICLE	IF	CITATIONS
163	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> , 2021, 113, 110888.	1.7	4
164	Hierarchical FTO/PPy/ACo ₂ O ₄ (A: Mn or Ni) with stacks spinel structure as superb photoanodes for photoelectrochemical water splitting. <i>Materials Chemistry and Physics</i> , 2021, 272, 124953.	2.0	4
165	Cobalt-modified palladium nanocatalyst on nitrogen-doped reduced graphene oxide for direct hydrazine fuel cell. <i>RSC Advances</i> , 2021, 11, 39223-39232.	1.7	4
166	Polyaniline film decorated with cadmium sulfide- NrGO nanosheet heterostructure hybrid as highly efficient photoelectrocatalyst for water splitting. <i>Materials Science in Semiconductor Processing</i> , 2022, 141, 106425.	1.9	4
167	Synthesis and characterization of palladium nanoparticles immobilized on ZrO ₂ nanotubes as a new highly active electrode for methanol electro-oxidation. <i>Journal of Porous Materials</i> , 2017, 24, 1155-1163.	1.3	3
168	Towards Production of a Highly Catalytic and Stable Graphene-Wrapped Graphite Felt Electrode for Vanadium Redox Flow Batteries. <i>Batteries</i> , 2018, 4, 63.	2.1	3
169	Evaluation of the Electrochemical Activity and Stability of Ti/IrO ₂ -Ta ₂ O ₅ Electrode as Anode in the Cathodic Protection Systems via Impressed Current. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018, 54, 700-708.	0.3	3
170	Synthesis of nitrogen and phosphorus co-doped graphene quantum dots as metal-free electrocatalysts for ethanol electrooxidation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 853-862.	1.0	3
171	Synthesis of poly(3-methylthiophene) in the presence of 1-(2-Pyrrolyl)-2-(2-thienyl) ethylene by electropolymerization. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, 559-565.	1.2	2
172	PREPARATION AND CHARACTERISATION OF TiO ₂ NANOTUBULAR ARRAYS FOR ELECTRO-OXIDATION OF ORGANIC COMPOUNDS: EFFECT OF IMMOBILIZATION OF THE NOBLE METAL PARTICLES. <i>International Journal of Modern Physics Conference Series</i> , 2012, 05, 41-48.	0.7	2
173	APPLICATION AND COMPARISON OF CURRENT INTERRUPTION AND ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY METHODS TO STUDY A MICROBIAL FUEL CELL. <i>Instrumentation Science and Technology</i> , 2013, 41, 72-81.	0.9	2
174	Superior overall water splitting performance in polypyrrole photoelectrode by coupling NrGO and modifying electropolymerization substrate. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50507.	1.3	2
175	Erratum to "Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by EIS". <i>Materials Chemistry and Physics</i> , 2009, 115, 851.	2.0	1
176	Fabrication and Simulation of Implantable Glucose Fuel Cell. , 2011, , .		1
177	Magnetic Behavior of Single Ni Nanowires and its Arrays Embedded in Highly Ordered Nanoporous Alumina Templates. <i>Solid State Phenomena</i> , 0, 215, 298-305.	0.3	1
178	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> , 2019, 34, 697-703.	1.5	1
179	Oxygen depolarized cathode in advanced chlor-alkali cell with Pt-Ru nanoparticles as electro-catalyst: effect of process conditions and response surface methodology. , 0, 84, 299-308.		1