

# Mehdi Shabani-nooshabadi

## List of Publications by Citations

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64

papers

1,964

citations

27

h-index

43

g-index

66

ext. papers

2,564

ext. citations

5.2

avg, IF

6.09

L-index

#	Paper	IF	Citations
64	3D reduced graphene oxide/FeNi <sub>3</sub> -ionic liquid nanocomposite modified sensor; an electrical synergic effect for development of tert-butylhydroquinone and folic acid sensor. <i>Composites Part B: Engineering</i> , <b>2019</b> , 172, 666-670	10	225
63	Analysis of glutathione in the presence of acetaminophen and tyrosine via an amplified electrode with MgO/SWCNTs as a sensor in the hemolyzed erythrocyte. <i>Talanta</i> , <b>2018</b> , 176, 208-213	6.2	193
62	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 184, 113252	11.8	171
61	Santolina chamaecyparissus extract as a natural source inhibitor for 304 stainless steel corrosion in 3.5% NaCl. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 31, 231-237	6.3	80
60	Fabrication of a new electrocatalytic sensor for determination of diclofenac, morphine and mefenamic acid using synergic effect of NiO-SWCNT and 2, 4-dimethyl-N-[1-(2, 3-dihydroxy phenyl) methylidene] aniline. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 228-233	8.5	69
59	Synthesis of Ni <sub>2</sub> O-Fe layered double hydroxide and Fe <sub>2</sub> O <sub>3</sub> /Graphene nanocomposites as actively materials for high electrochemical performance supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 83-92	6.7	67
58	Electrochemical reduced graphene oxide-polyaniline as effective nanocomposite film for high-performance supercapacitor applications. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 575-586	6.7	67
57	Direct electrosynthesis of polyaniline-montmorillonite nanocomposite coatings on aluminum alloy 3004 and their corrosion protection performance. <i>Corrosion Science</i> , <b>2011</b> , 53, 3035-3042	6.8	61
56	Synthesis, characterization and investigation of the electrochemical hydrogen storage properties of CuO/Fe <sub>2</sub> O <sub>3</sub> nanocomposites synthesized by green method. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 14608-14620	6.7	57
55	Determination of D&C Red 33 and Patent Blue V Azo dyes using an impressive electrochemical sensor based on carbon paste electrode modified with ZIF-8/g-CN/Co and ionic liquid in mouthwash and toothpaste as real samples.. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 112907	4.7	51
54	Electrochemical performance of aluminium alloy in strong alkaline media by urea and thiourea as inhibitor for aluminium-air batteries. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 242, 971-978	6	50
53	Electrochemical hydrogen storage properties of NiAl <sub>2</sub> O <sub>4</sub> /NiO nanostructures using TiO <sub>2</sub> , SiO <sub>2</sub> and graphene by auto-combustion method using green tea extract. <i>Renewable Energy</i> , <b>2018</b> , 115, 199-207	8.1	49
52	Electrochemical deposition and characterization of polyaniline-graphene nanocomposite films and its corrosion protection properties. <i>Journal of Polymer Research</i> , <b>2016</b> , 23, 1	2.7	48
51	Electrodeposition of polyaniline-montmorillonite nanocomposite coatings on 316L stainless steel for corrosion prevention. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	45
50	Modification of carbon paste electrode with NiO/graphene oxide nanocomposite and ionic liquids for fabrication of high sensitive voltammetric sensor on sulfamethoxazole analysis. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 220, 329-333	6	43
49	NiFeO-rGO/ionic liquid modified carbon paste electrode: An amplified electrochemical sensitive sensor for determination of Sunset Yellow in the presence of Tartrazine and Allura Red. <i>Food Chemistry</i> , <b>2021</b> , 339, 127841	8.5	39
48	Voltammetric analysis of mycophenolate mofetil in pharmaceutical samples via electrochemical nanostructure based sensor modified with ionic liquid and MgO/SWCNTs. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 80, 989-996	5.3	33

47	Novel bi-functional electrocatalysts based on the electrochemical synthesized bimetallicmetal organic frameworks: Towards high energy advanced reversible zincair batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 451, 227768	8.9	32
46	Electropolymerized coatings of polyaniline on copper by using the galvanostatic method and their corrosion protection performance in HCl medium. <i>Surface and Interface Analysis</i> , <b>2014</b> , 46, 472-479	1.5	32
45	An electrochemical strategy to determine thiosulfate, 4-chlorophenol and nitrite as three important pollutants in water samples via a nanostructure modified sensor. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 507, 11-17	9.3	32
44	Rapid and fast strategy for the determination of glutathione in the presence of vitamin B6 in biological and pharmaceutical samples using a nanostructure based electrochemical sensor. <i>RSC Advances</i> , <b>2015</b> , 5, 56255-56261	3.7	31
43	Gold nanoparticles and reduced graphene oxide-amplified label-free DNA biosensor for dasatinib detection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 16378-16383	3.6	31
42	Electrosynthesis of a polyaniline/zeolite nanocomposite coating on copper in a three-step process and the effect of current density on its corrosion protection performance. <i>RSC Advances</i> , <b>2015</b> , 5, 96601-96610 <sup>29</sup>	3.7	29
41	Incorporation of graphene oxideNiO nanocomposite and n-hexyl-3-methylimidazolium hexafluoro phosphate into carbon paste electrode: application as an electrochemical sensor for simultaneous determination of benserazide, levodopa and tryptophan. <i>Journal of the Iranian Chemical Society</i> , <b>2017</b> , 14, 955-961	2	28
40	Investigation of Mn2O3 as impurity on the electrochemical hydrogen storage performance of MnO2CeO2 nanocomposites. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 28473-28484	6.7	27
39	Electropolymerized coatings of poly(o-anisidine) and poly(o-anisidine)-TiO2 nanocomposite on aluminum alloy 3004 by using the galvanostatic method and their corrosion protection performance. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 279-287	3.2	27
38	Novel enzymatic graphene oxide based biosensor for the detection of glutathione in biological body fluids. <i>Chemosphere</i> , <b>2022</b> , 287, 132187	8.4	27
37	High lithium anodic performance of reduced Sn particles on Co metal-organic frameworks for lithium-ion batteries with a long-cycle life. <i>Composites Part B: Engineering</i> , <b>2020</b> , 193, 108008	10	26
36	Fabrication of an Electroanalytical Sensor for Determination of Deoxyepinephrine in the Presence of Uric Acid Using CuFe2O4[Nanoparticle/Ionic Liquid Amplified Sensor. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, H218-H223	3.9	25
35	Electrocatalytic Determination of Hydroxylamine in the Presence of Thiosulfate in Water and Wastewater Samples Using a Nanostructure Modified Carbon Paste Electrode. <i>Electroanalysis</i> , <b>2015</b> , 27, 1733-1741	3	24
34	Green Approach to Corrosion Inhibition of Copper by the Extract of Calligonum comosum in Strong Acidic Medium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 293-299	2.3	19
33	Interaction of anionic azo dye and TTAB: cationic surfactant. <i>Journal of the Brazilian Chemical Society</i> , <b>2009</b> , 20, 460-465	1.5	18
32	Square wave voltammetric determination of hydrazine and 4-chlorophenol as two important water pollutants using nanostructure-amplified sensor. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 5389-5401 <sup>2,8</sup>	2.8	17
31	Study of N-benzylidene derivatives synthesized as corrosion inhibitors for copper in HCl solution. <i>RSC Advances</i> , <b>2015</b> , 5, 23357-23366	3.7	16
30	Inhibition of acid corrosion of glass ampoule in Pb/HBF4/PbO2 reserve batteries using nanobis[3-(trimethoxysilyl)propyl]amine. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112578	6	16

29	Enhanced Supercapacitor Performance Using a Co O @Co S Nanocomposite on Reduced Graphene Oxide/Ni Foam Electrodes. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1258-1270	4.5	15
28	Introducing the Santolina chamaecyparissus Extract as a Suitable Green Inhibitor for 304 Stainless Steel Corrosion in Strong Acidic Medium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 5139-5148	2.3	13
27	Sol-gel synthesis, characterization and electrochemical corrosion behavior of S-N-C-doped TiO <sub>2</sub> nano coating on copper. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 266, 99-105	6	12
26	Voltammetric Determination of Thiosulfate in Presence of p-Nitrophenol Using an Electrochemical Nanostructure Sensor Modified with a New Mediator. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, H975-H980	3.9	11
25	Study of hydrogen storage performance of ZnO/CeO <sub>2</sub> ceramic nanocomposite and the effect of various parameters to reach the optimum product. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 22955-22965	6.7	11
24	An Electrochemical Sensor for Analysis of Food Red 17 in the Presence of Tartrazine in Food Products Amplified with CdO/rGO Nanocomposite and 1,3-Dipropylimidazolium Bromide. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 646-653	3.4	10
23	The potential of electrochemistry for one-pot and sensitive analysis of patent blue V, tartrazine, acid violet 7 and ponceau 4R in foodstuffs using IL/Cu-BTC MOF modified sensor. <i>Food Chemistry</i> , <b>2022</b> , 368, 130811	8.5	10
22	Root and shoot extracts of <i>Ajuga chamaecistus</i> subsp. <i>scoparia</i> as natural inhibitors for 304 stainless steel corrosion in strong acidic medium. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2017</b> , 53, 560-569	0.8	9
21	Determination of Acid Green 25 in the presence of Brilliant Blue in hair dye and wastewater using voltammetric sensor amplified with reduced graphene oxide/CoFe <sub>2</sub> O <sub>4</sub> -ionic liquid nanocomposite. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 101020	7	7
20	Electrosynthesis of Poly(ortho-phenetidine) Coatings on Steel and Investigation of Their Corrosion Protection Properties. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2018</b> , 54, 104-112	0.9	7
19	A Practical One-Pot Electrochemical Synthesis of Pyrimido[4,5-b]indole Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 68-73	5.1	6
18	Facile synthesis of crumpled-paper like CoWO <sub>4</sub> -CoMn <sub>2</sub> O <sub>4</sub> /N-doped Graphene hybrid nanocomposites for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 45, 103513	7.8	6
17	Characterization of hydrogen storage behavior of the as-synthesized p-type NiO/n-type CeO <sub>2</sub> nanocomposites by carbohydrates as a capping agent: The influence of morphology. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 14557-14568	6.7	6
16	Cu-BTC Metal-Organic Frameworks as Catalytic Modifier for Ultrasensitive Electrochemical Determination of Methocarbamol in the Presence of Methadone. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 097507	3.9	6
15	The study of synergistic effects of ZnO decorated graphene nanosheets and room temperature ionic liquid for analysis of raloxifene in pharmaceutical samples. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 5181-5191	2.8	4
14	Graphene oxide/NiO nanoparticle composite-ionic liquid modified carbon paste electrode for selective sensing of 4-chlorophenol in the presence of nitrite. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 114687 <sup>6</sup>		4
13	Electrochemical Synthesis of Some 6-Amino-5-hydroquinone-1,3-dimethyluracil Derivatives: A Green, Simple and Efficient Strategy. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, G10-G16	3.9	3
12	An Electrochemical Platform for Determination of Isoprenaline in the Presence of Acetaminophen Based on a Nanoporous Gold Film Electrode Modified With Polyaniline. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 9502-9509	4	3

11	Poly(2-chloroaniline) Electropolymerization Coatings on Aluminum Alloy 3105 and Evaluating Their Corrosion Protection Performance. <i>Transactions of the Indian Institute of Metals</i> , <b>2014</b> , 67, 511-520	1.2	3
10	A Potential Strategy for Simultaneous Determination of Deferoxamine and Vitamin C Using MCR-ALS with Nanostructured Electrochemical Sensor in Serum and Urine of Thalassemia and Diabetic Patients. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 046514	3.9	3
9	Introducing of LiFeMnO /C-CN /IL nanocomposite for electrochemical determination of pantoprazole sodium in real samples. <i>Chemosphere</i> , <b>2022</b> , 287, 132311	8.4	3
8	High sensitive titanium/chitosan-coated nanoporous gold film electrode for electrochemical determination of acetaminophen in the presence of piroxicam. <i>Progress in Organic Coatings</i> , <b>2021</b> , 151, 106100	4.8	2
7	A green approach for the electroorganic synthesis of 2-[(4-methyl-2-pyridyl)amino]-1,4-benzenediol derivatives in aqueous solution. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 171-179	2	1
6	Development of an amplified nanostructured electrochemical sensor for the detection of cefixime in pharmaceuticals and biological samples.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 212, 114657	3.5	1
5	Simultaneous determination of citalopram and selegiline using an efficient electrochemical sensor based on ZIF-8 decorated with RGO and g-C <sub>3</sub> N <sub>4</sub> in real samples.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1203, 339662	6.6	1
4	Fabrication of a sensitive sensor for electrochemical detection of diltiazem in presence of methyl dopa.. <i>Chemosphere</i> , <b>2022</b> , 134170	8.4	1
3	A new strategy to design label-free electrochemical biosensor for ultrasensitive diagnosis of CYFRA 21-1 as a biomarker for detection of non-small cell lung cancer.. <i>Chemosphere</i> , <b>2022</b> , 301, 134636	8.4	1
2	Sensing and Monitoring. <i>Carbon Nanostructures</i> , <b>2018</b> , 171-186	0.6	0
1	A novel platform based on CoMnO-rGO/1-ethyl-3-methylimidazolium chloride modified carbon paste electrode for voltammetric detection of pethidine in the presence morphine and olanzapine.. <i>Chemosphere</i> , <b>2022</b> , 301, 134710	8.4	0