

Ali Ehsani

List of Publications by Year in descending order

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147
papers

5,755
citations

47006

47
h-index

98798

67
g-index

154
all docs

154
docs citations

154
times ranked

3970
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of <i>Thymus vulgaris</i> plant extract as an eco-friendly corrosion inhibitor for stainless steel 304 in acidic solution by means of electrochemical impedance spectroscopy, electrochemical noise analysis and density functional theory. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 444-451.	9.4	230
2	In situ synthesis, electrochemical and quantum chemical analysis of an amino acid-derived ionic liquid inhibitor for corrosion protection of mild steel in 1M HCl solution. <i>Corrosion Science</i> , 2016, 112, 73-85.	6.6	218
3	Conductive polymer/reduced graphene oxide/Au nano particles as efficient composite materials in electrochemical supercapacitors. <i>Applied Surface Science</i> , 2015, 353, 594-599.	6.1	197
4	Electrochemical and DFT study on the inhibition of 316L stainless steel corrosion in acidic medium by 1-(4-nitrophenyl)-5-amino-1H-tetrazole. <i>RSC Advances</i> , 2014, 4, 20031-20037.	3.6	134
5	A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213441.	18.8	121
6	Recent Progress in the Development of Conducting Polymer-Based Nanocomposites for Electrochemical Biosensors Applications: A Mini-Review. <i>Chemical Record</i> , 2018, 18, 599-618.	5.8	112
7	Imidazolium-derived polymeric ionic liquid as a green inhibitor for corrosion inhibition of mild steel in 1.0 M HCl: Experimental and computational study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124195.	4.7	100
8	Electrochemical synthesis of Sm ₂ O ₃ nanoparticles: Application in conductive polymer composite films for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 940-946.	9.4	93
9	Electrosynthesis of polypyrrole composite film and electrocatalytic oxidation of ethanol. <i>Electrochimica Acta</i> , 2012, 71, 128-133.	5.2	92
10	Multifunctional superhydrophobic surfaces. <i>Advances in Colloid and Interface Science</i> , 2021, 290, 102397.	14.7	86
11	Synthesis of Au/Pd bimetallic nanoparticles and their application in the Suzuki coupling reaction. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 746-748.	5.8	85
12	Ternary nanocomposites of conductive polymer/functionalized GO/MOFs: Synthesis, characterization and electrochemical performance as effective electrode materials in pseudocapacitors. <i>Journal of Solid State Chemistry</i> , 2018, 265, 155-166.	2.9	84
13	Synthesis, characterization and gas permeation study of ZIF-11/Pebax [®] 2533 mixed matrix membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 414-423.	5.3	81
14	Electrochemical Pseudocapacitors Based on Ternary Nanocomposite of Conductive Polymer/Graphene/Metal Oxide: An Introduction and Review to it in Recent Studies. <i>Chemical Record</i> , 2019, 19, 908-926.	5.8	81
15	Enhancement of corrosion resistance of polypyrrole using metal oxide nanoparticles: Potentiodynamic and electrochemical impedance spectroscopy study. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 213-219.	9.4	79
16	Facile electrosynthesis of nano flower like metal-organic framework and its nanocomposite with conjugated polymer as a novel and hybrid electrode material for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 314-319.	9.4	77
17	Ternary nanocomposite of conductive polymer/chitosan biopolymer/metal organic framework: Synthesis, characterization and electrochemical performance as effective electrode materials in pseudocapacitors. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107885.	3.9	73
18	Electrophoretic Deposition of Graphene Oxide on Aluminum: Characterization, Low Thermal Annealing, Surface and Anticorrosive Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 722-728.	3.2	70

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19	Novel electroactive nanocomposite of POAP for highly efficient energy storage and electrocatalyst: Electrosynthesis and electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 308-313.	9.4	70
20	New synthesized ionic liquid functionalized graphene oxide: Synthesis, characterization and its nanocomposite with conjugated polymer as effective electrode materials in an energy storage device. <i>Electrochimica Acta</i> , 2018, 292, 789-804.	5.2	70
21	Facile and surfactant-free synthesis of Pd nanoparticles by the extract of the fruits of <i>Piper longum</i> and their catalytic performance for the Sonogashira coupling reaction in water under ligand- and copper-free conditions. <i>RSC Advances</i> , 2015, 5, 2562-2567.	3.6	69
22	Pulse electrosynthesis of novel wormlike gadolinium oxide nanostructure and its nanocomposite with conjugated electroactive polymer as a hybrid and high efficient electrode material for energy storage device. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 70-76.	9.4	69
23	P-type conductive polymer/zeolitic imidazolate framework-67 (ZIF-67) nanocomposite film: Synthesis, characterization, and electrochemical performance as efficient electrode materials in pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 189-194.	9.4	68
24	Ultrasound-promoted green approach for the synthesis of sulfonamides using natural, stable and reusable Natrolite nanozeolite catalyst at room temperature. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 275-282.	8.2	67
25	Electrosynthesis of poly ortho aminophenol films and nanoparticles: A comparative study. <i>Synthetic Metals</i> , 2012, 162, 199-204.	3.9	63
26	Nanocomposite of p-type conductive polymer/functionalized graphene oxide nanosheets as novel and hybrid electrodes for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 181-187.	9.4	63
27	Electrochemical properties and electrocatalytic activity of conducting polymer/copper nanoparticles supported on reduced graphene oxide composite. <i>Journal of Power Sources</i> , 2014, 257, 300-307.	7.8	62
28	Environment-friendly electrodes using biopolymer chitosan/poly ortho aminophenol with enhanced electrochemical behavior for use in energy storage devices. <i>Polymer Composites</i> , 2019, 40, 4629-4637.	4.6	61
29	Synthesis and highly efficient supercapacitor behavior of a novel poly pyrrole/ceramic oxide nanocomposite film. <i>RSC Advances</i> , 2015, 5, 91062-91068.	3.6	60
30	Facile electrosynthesis, characterisation and electrochemical performance of poly ortho aminophenol/Al ₅ Y ₃ O ₁₂ nanocomposite as a new high efficient supercapacitor. <i>RSC Advances</i> , 2016, 6, 41045-41052.	3.6	60
31	A simple and innovative route to electrosynthesis of Eu ₂ O ₃ nanoparticles and its nanocomposite with p-type conductive polymer: Characterisation and electrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 126-131.	9.4	60
32	A Novel and Facile Route for the Electrosynthesis of Ho ₂ O ₃ Nanoparticles and Its Nanocomposite with p-Type Conductive Polymer: Characterisation and Electrochemical Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1201-1206.	3.2	60
33	Electrosynthesis of neodymium oxide nanorods and its nanocomposite with conjugated conductive polymer as a hybrid electrode material for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 102-110.	9.4	60
34	High performance electrochemical pseudocapacitors from ionic liquid assisted electrochemically synthesized p-type conductive polymer. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 91-96.	9.4	60
35	Nanocomposite of p-type conductive polymer/Cu (II)-based metal-organic frameworks as a novel and hybrid electrode material for highly capacitive pseudocapacitors. <i>Ionics</i> , 2017, 23, 131-138.	2.4	56
36	Electrochemical study of supercapacitor performance of polypyrrole ternary nanocomposite electrode by fast Fourier transform continuous cyclic voltammetry. <i>RSC Advances</i> , 2015, 5, 96130-96137.	3.6	55

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37	Physioelectrochemical and DFT investigation of metal oxide/p-type conductive polymer nanoparticles as an efficient catalyst for the electrocatalytic oxidation of methanol. <i>RSC Advances</i> , 2015, 5, 30394-30404.	3.6	53
38	Physioelectrochemical investigation of the supercapacitive performance of a ternary nanocomposite by common electrochemical methods and fast Fourier transform voltammetry. <i>New Journal of Chemistry</i> , 2015, 39, 9454-9460.	2.8	53
39	Influence of ionic surfactant on physio-electrochemical properties and fractal dimension of poly ortho aminophenol film. <i>Progress in Organic Coatings</i> , 2010, 69, 510-516.	3.9	52
40	Electrochemical study on the semiconductor properties and fractal dimension of poly ortho aminophenol modified graphite electrode in contact with different aqueous electrolytes. <i>Synthetic Metals</i> , 2010, 160, 1252-1258.	3.9	52
41	An electrochemical study of the synthesis and properties of multi-walled carbon nanotube/poly ortho aminophenol composites. <i>Synthetic Metals</i> , 2011, 161, 1760-1765.	3.9	52
42	Electrochemical study of anomalous diffusion and fractal dimension in poly ortho aminophenol electroactive film: Comparative study. <i>Journal of Electroanalytical Chemistry</i> , 2013, 710, 29-35.	3.8	52
43	Nanocomposite of Conjugated Polymer/Nano-Flowers Cu(II) Metal-Organic System with 2-Methylpyridinecarboxaldehyde Isonicotinohydrazide as a Novel and Hybrid Electrode Material for Highly Capacitive Pseudocapacitors. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 617-622.	3.2	52
44	Copper-Catalyzed N-Arylation of Sulfonamides with Boronic Acids in Water under Ligand-Free and Aerobic Conditions. <i>Synlett</i> , 2014, 25, 505-508.	1.8	51
45	Palladium on nano-magnetite: a magnetically reusable catalyst in the ligand- and copper-free Sonogashira and Stille cross-coupling reactions. <i>RSC Advances</i> , 2014, 4, 19731.	3.6	50
46	Melamine-functionalized graphene oxide: Synthesis, characterization and considering as pseudocapacitor electrode material with intermixed POAP polymer. <i>Applied Surface Science</i> , 2018, 459, 874-883.	6.1	50
47	Fabrication, characterization and application of nanopolymer supported copper (II) complex as an effective and reusable catalyst for the CN bond cross-coupling reaction of sulfonamides with arylboronic acids in water under aerobic conditions. <i>Journal of Molecular Catalysis A</i> , 2014, 387, 123-129.	4.8	48
48	Green synthesis, optical properties and catalytic activity of silver nanoparticles in the synthesis of N-monosubstituted ureas in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 423-429.	3.9	48
49	Performance of all ionic liquids as the eco-friendly and sustainable compounds in inhibiting corrosion in various media: A comprehensive review. <i>Microchemical Journal</i> , 2021, 165, 106049.	4.5	48
50	Electrosynthesis, optical modeling and electrocatalytic activity of Ni-MWCNT-PT nanocomposite film. <i>Electrochimica Acta</i> , 2015, 159, 140-148.	5.2	47
51	Influence of counter ions in electrochemical properties and kinetic parameters of poly tyramine electroactive film. <i>Progress in Organic Coatings</i> , 2015, 78, 133-139.	3.9	47
52	Preparation, optical properties and catalytic activity of TiO ₂ @Pd nanoparticles as heterogeneous and reusable catalysts for ligand-free Heck coupling reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 205-210.	4.8	46
53	Poly ortho aminophenol/TiO ₂ nanocomposite: Electrosynthesis and characterization. <i>Synthetic Metals</i> , 2013, 165, 51-55.	3.9	45
54	Electrochemical and quantum chemical investigation of inhibitory of 1,4-Ph(OX) ₂ (Ts) ₂ on corrosion of 1005 aluminum alloy in acidic medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4363-4370.	5.8	45

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55	Graphene and Anticorrosive Properties. <i>Interface Science and Technology</i> , 2019, , 303-337.	3.3	43
56	A novel route for electrosynthesis of CuCr2O4 nanocomposite with p-type conductive polymer as a high performance material for electrochemical supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 401-406.	9.4	42
57	Review on innovative sustainable nanomaterials to enhance the performance of supercapacitors. <i>Journal of Energy Storage</i> , 2021, 37, 102474.	8.1	42
58	Enhancement of pseudocapacitance performance of p-type conductive polymer in the presence of newly synthesized graphene oxide-hexamethylene tributylammonium iodide nanosheets. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 346-352.	9.4	39
59	Electrosynthesis and absorbance spectra of TiO2 nanoparticles dispersed in the conductive polymer. <i>Applied Surface Science</i> , 2013, 283, 1060-1064.	6.1	38
60	Preparation of carbon supported CuPd nanoparticles as novel heterogeneous catalysts for the reduction of nitroarenes and the phosphine-free Suzuki–Miyaura coupling reaction. <i>New Journal of Chemistry</i> , 2015, 39, 1148-1153.	2.8	38
61	Sulfonated graphene oxide and its nanocomposites with electroactive conjugated polymer as effective pseudocapacitor electrode materials. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 258-265.	9.4	38
62	Electrosynthesis, physioelectrochemical and theoretical investigation of poly ortho aminophenol/magnetic functional graphene oxide nanocomposites as novel and hybrid electrodes for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 695-702.	9.4	38
63	Influence of synthesized functionalized reduced graphene oxide aerogel with 4,4'-methylenedianiline as reducing agent on electrochemical and pseudocapacitance performance of poly orthoaminophenol electroactive film. <i>Electrochimica Acta</i> , 2020, 354, 136736.	5.2	38
64	Influence of newly synthesized geminal dicationic ionic liquid on electrochemical and pseudocapacitance performance of conductive polymer electroactive film. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1158-1164.	9.4	37
65	Electrochemical and optical properties of TiO2 nanoparticles/poly tyramine composite film. <i>Journal of Electroanalytical Chemistry</i> , 2014, 713, 91-97.	3.8	36
66	Electrochemical energy storage electrodes from fruit biochar. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102263.	14.7	36
67	Synthesis, characterization, antibacterial and catalytic activity of a nanopolymer supported copper(ii) complex as a highly active and recyclable catalyst for the formamidation of arylboronic acids under aerobic conditions. <i>RSC Advances</i> , 2014, 4, 20351.	3.6	35
68	Electrosynthesis of Y2O3 nanoparticles and its nanocomposite with POAP as high efficient electrode materials in energy storage device: Surface, density of state and electrochemical investigation. <i>Solid State Ionics</i> , 2019, 338, 87-95.	2.7	35
69	Graphene-Based Electrochemical Supercapacitors. <i>Interface Science and Technology</i> , 2019, 27, 339-386.	3.3	35
70	Sustainability and Circular Economy of Food Wastes: Waste Reduction Strategies, Higher Recycling Methods, and Improved Valorization. <i>Materials Circular Economy</i> , 2021, 3, 1.	3.2	35
71	Influence of ionic liquid on pseudocapacitance performance of electrochemically synthesized conductive polymer: Electrochemical and theoretical investigation. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 315-320.	9.4	34
72	Electrochemical Energy Storage Electrodes via Citrus Fruits Derived Carbon: A Minireview. <i>Chemical Record</i> , 2020, 20, 820-830.	5.8	34

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73	Facile synthesis of Fe@Pd nanowires and their catalytic activity in ligand-free CN bond formation in water. <i>Tetrahedron Letters</i> , 2014, 55, 2813-2817.	1.4	33
74	A heterogeneous and reusable nanopolymer-supported palladium catalyst for the copper- and phosphine-free Sonogashira coupling reaction under aerobic conditions in water. <i>Tetrahedron Letters</i> , 2014, 55, 5298-5301.	1.4	33
75	Algae-based electrochemical energy storage devices. <i>Green Chemistry</i> , 2020, 22, 8062-8096.	9.0	33
76	Corn-based Electrochemical Energy Storage Devices. <i>Chemical Record</i> , 2020, 20, 1163-1180.	5.8	32
77	Lignin-derived carbon as a high efficient active material for enhancing pseudocapacitance performance of p-type conductive polymer. <i>Journal of Energy Storage</i> , 2021, 35, 102291.	8.1	32
78	Influence of electrosynthesis conditions and Al ₂ O ₃ nanoparticles on corrosion protection effect of polypyrrole films. <i>Anti-Corrosion Methods and Materials</i> , 2014, 61, 146-152.	1.5	30
79	Electrochemical deposition and plane-wave periodic DFT study on Dy ₂ O ₃ nanoparticles and pseudocapacitance performance of Dy ₂ O ₃ /conductive polymer nanocomposite film. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 632-643.	5.3	30
80	Enhanced pseudocapacitive performance of electroactive p-type conductive polymer in the presence of 1-octadecyl-3-methylimidazolium bromide. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 10-16.	9.4	29
81	Electrosynthesis and pseudocapacitance performance of ionic liquid [Cr (1-6-C6H5)] complex functionalized reduced graphene oxide/poly ortho aminophenol nanocomposite film. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 507-513.	9.4	29
82	Potentiodynamic and electrochemical impedance spectroscopy study of anticorrosive properties of p-type conductive polymer/TiO ₂ nanoparticles. <i>Solid State Ionics</i> , 2018, 324, 138-143.	2.7	28
83	Ternary nanocomposite of TiO ₂ -ZnO/MCM-41: synthesis and electrochemical performance in supercapacitors. <i>Journal of Energy Storage</i> , 2022, 50, 104633.	8.1	27
84	Electrochemical techniques and quantum chemical analysis as tools to study effect of a dicationic ionic liquid on steel behavior in H ₂ SO ₄ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 99, 18-28.	5.3	26
85	Electrosynthesis and physioelectrochemical properties of poly tyramine electroactive film in the presence of the surfactant: Comparable study. <i>Progress in Organic Coatings</i> , 2014, 77, 1674-1681.	3.9	25
86	Enhanced pseudocapacitance performance of conductive polymer electroactive film in the presence of green compound of 1-Butyl-3-methylimidazolium Chloride: Electrochemical and DFT study. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 151-157.	9.4	25
87	Electrochemical study of perlite-barium ferrite/conductive polymer nano composite for super capacitor applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28088-28095.	7.1	25
88	Physicoelectrochemical properties of facilely electrosynthesized reduced graphene oxide/p-type conductive polymer nanocomposite film. <i>New Journal of Chemistry</i> , 2016, 40, 2565-2573.	2.8	24
89	Geminal dicationic ionic liquid functionalized graphene nanoribbon/POAP composite film: synthesis, characterization and electrochemical pseudocapacitance performance. <i>Ionics</i> , 2018, 24, 2083-2092.	2.4	23
90	Functionalized graphene oxide GO-[imi-(CH ₂) ₂ -NH ₂] as a high efficient material for electrochemical sensing of lead: Synthesis surface and electrochemical characterization. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113784.	3.8	23

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91	Carbon nanotube/metal oxide dispersed poly(ortho-aminophenol) as a ternary nanocomposite film: Facile electrosynthesis, surface characterization, and electrochemical pseudocapacitive performance. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 396-401.	1.4	22
92	Sensitive electrochemical detection of picloram utilising a multi-walled carbon nanotube/Cr-based metal-organic framework composite-modified glassy carbon electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 197-214.	3.3	21
93	A study of the galvanic corrosion of titanium/L 316 stainless steel in artificial seawater using electrochemical noise (EN) measurements and electrochemical impedance spectroscopy (EIS). <i>Anti-Corrosion Methods and Materials</i> , 2011, 58, 250-257.	1.5	20
94	Electrochemical properties, optical modeling and electrocatalytic activity of pulse-electropolymerized ternary nanocomposite of poly (methylene blue) in aqueous solution. <i>Journal of Molecular Liquids</i> , 2016, 215, 24-30.	4.9	20
95	Graphene oxides/multi-walled carbon nanotubes hybrid-modified carbon electrodes for fast and sensitive voltammetric determination of the anticancer drug 5-fluorouracil in spiked human plasma samples. <i>Chemical Papers</i> , 2018, 72, 431-439.	2.2	20
96	Hybrid Pd/Fe ₃ O ₄ nanowires: Fabrication, characterization, optical properties and application as magnetically reusable catalyst for the synthesis of N-monosubstituted ureas under ligand-free conditions. <i>Materials Research Bulletin</i> , 2014, 55, 168-175.	5.2	19
97	Electrochemical performance of Silsesquioxane-GO loaded with alkoxy substituted ammonium-based ionic liquid and POAP for supercapacitor. <i>Electrochimica Acta</i> , 2020, 354, 136663.	5.2	19
98	Zinc-based metal-organic frameworks: synthesis and recent progress in biomedical application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3339-3354.	3.7	19
99	Functionalization of graphene oxide via chromium complexes coordinated on 5-aminopyridine-2-carboxylic acid as a symmetric supercapacitor electrode materials in energy storage devices. <i>Composites Science and Technology</i> , 2021, 211, 108844.	7.8	18
100	Nanostructured Metal Organic Framework Modified Glassy Carbon Electrode as a High Efficient Non-Enzymatic Amperometric Sensor for Electrochemical Detection of H ₂ O ₂ . <i>Journal of Electrochemical Science and Technology</i> , 2018, 9, 28-36.	2.2	17
101	Electrocatalytic Oxidation of Paracetamol on Ni and NiCu Alloy Modified Glassy Carbon Electrode. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1086-1093.	1.4	16
102	Electrocatalytic Oxidation of Ethanol on the Surface of Graphene Based Nanocomposites: An Introduction and Review to it in Recent Studies. <i>Chemical Record</i> , 2019, 19, 2341-2360.	5.8	16
103	Alcohol Oxidation and Hydrogen Evolution. <i>Interface Science and Technology</i> , 2019, 27, 253-301.	3.3	16
104	Electrosynthesis and characterization of poly methylene blue and its nanocomposite with ZnO nanoparticles. <i>Synthetic Metals</i> , 2014, 197, 80-85.	3.9	14
105	Influence of different N-benzoyl derivatives of isoleucine on electrochemical properties and pseudocapacitance performance of conductive polymer electroactive film: Electrochemical and theoretical study. <i>Journal of Electroanalytical Chemistry</i> , 2018, 826, 65-75.	3.8	14
106	Electrosynthesis of high-purity TbMn ₂ O ₅ nanoparticles and its nanocomposite with conjugated polymer: Surface, density of state and electrochemical investigation. <i>Solid State Sciences</i> , 2020, 105, 106227.	3.2	14
107	Functionalized graphene oxide aerogel as a high efficient material for electrochemical sensing of organic pollutant. <i>Surfaces and Interfaces</i> , 2021, 22, 100817.	3.0	12
108	Influence of nanostructured VO-acetylacetonate coordination system with 2-(pyridin-4-ylmethylene) hydrazine-1-carbothioamide in pseudocapacitance performance of p-type conductive polymer composite film. <i>Plastics, Rubber and Composites</i> , 2021, 50, 172-179.	2.0	12

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109	Green-synthesized Zn-BTC metal-organic frameworks as a highly efficient material to improving electrochemical pseudocapacitance performance of P-type conductive polymer. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26539-26547.	2.2	12
110	Electrochemical Investigation of Inhibitory of New Synthesized 3-(4-Iodophenyl)-2-Imino-2,3-Dihydrobenzo[d]Oxazol-5-yl 4-Methylbenzenesulfonate on Corrosion of Stainless Steel in Acidic Medium. <i>Journal of Electrochemical Science and Technology</i> , 2015, 6, 7-15.	2.2	12
111	Physioelectrochemical Investigation of Electrocatalytic Activity of Modified Carbon Paste Electrode in Alcohol Oxidation as Anode in Fuel Cell. <i>Journal of the Korean Electrochemical Society</i> , 2014, 17, 179-186.	0.1	12
112	Functionalized graphene oxide/activated carbon from canola waste as sustainable nanomaterials to improve pseudocapacitance performance of the electroactive conductive polymer. <i>Journal of Energy Storage</i> , 2022, 50, 104279.	8.1	12
113	Synthesis of different new copolyimides and influence of different molar ratios of diamines and dianhydride on pseudocapacitance performance of p-type conductive polymer. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 123-136.	3.8	11
114	Nanocomposite of p-type conductive polymer/iron (III) trimesic (Fe-BTC) metal-organic frameworks: synthesis, characterisation and pseudocapacitance performance. <i>Plastics, Rubber and Composites</i> , 2022, 51, 196-204.	2.0	11
115	Electrochemical and theoretical study on enhanced pseudocapacitance performance of poly orthoaminophenol film in the presence of different derivatives of phenylglycine. <i>Solid State Ionics</i> , 2019, 329, 52-60.	2.7	10
116	Graphene and Graphene/Polymer Composites as the Most Efficient Protective Coatings for Steel, Aluminum and Copper in Corrosive Media: A Review of Recent Studies. <i>Chemical Record</i> , 2020, 20, 467-493.	5.8	10
117	Electrochemical Investigation of Inhibitory of New Synthesized 3-(4-Iodophenyl)-2-Imino-2,3-Dihydrobenzo[d]Oxazol-5-yl 4-Methylbenzenesulfonate on Corrosion of Stainless Steel in Acidic Medium. <i>Journal of Electrochemical Science and Technology</i> , 2015, 6, 7-15.	2.2	10
118	Electroactive Conjugated Polymer / Magnetic Functional Reduced Graphene Oxide for Highly Capacitive Pseudocapacitors: Electrosynthesis, Physioelectrochemical and DFT Investigation. <i>Journal of Electrochemical Science and Technology</i> , 2018, 9, 301-307.	2.2	10
119	Energy Harvesting/Storage and Environmental Remediation via Hot Drinks Wastes. <i>Chemical Record</i> , 2021, 21, 1098-1118.	5.8	9
120	High-performance symmetric supercapacitor based on new functionalized graphene oxide composites with pyrimidine nucleotide and nucleoside. <i>Journal of Molecular Liquids</i> , 2022, 348, 118381.	4.9	9
121	Silver recovery from radiographic film processing effluents by hydrogen peroxide: Modeling and optimization using response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 74-80.	2.7	8
122	Stimuli-Responsive Electrochemical Energy Storage Devices. <i>Chemical Record</i> , 2022, 22, .	5.8	8
123	Theoretical, common electrochemical and electrochemical noise investigation of inhibitory effect of new organic compound nanoparticles in the corrosion of stainless steel in acidic solution. <i>Transactions of the Indian Institute of Metals</i> , 2016, 69, 1519-1527.	1.5	7
124	ZnO/Polytyramine nanocomposite film: Facile electrosynthesis and high performance electrocatalytic activity toward methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6987-6996.	7.1	7
125	Electrosynthesis and characterization of poly aniline/garnet nanoparticles for high-performance electrochemical capacitors. <i>Ionics</i> , 2018, 24, 505-511.	2.4	7
126	Synthesis and electrochemical capacitor characterization of new copolyimides containing thiazole ring and their composites with conductive polymer. <i>Research on Chemical Intermediates</i> , 2020, 46, 871-890.	2.7	7

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127	Electrochemical and theoretical investigation of functionalized reduced graphene aerogel modified electrode for lead ions sensing. <i>Microchemical Journal</i> , 2021, 165, 106074.	4.5	7
128	Enhanced electrochemical performance of redox conductive polymer in the presence of high efficient modified reduced graphene oxide. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2459-2467.	3.1	7
129	Electrochemical energy storage electrodes from rice biochar. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12413-12429.	4.6	6
130	Enhancing the electrochemical properties of the p-type conductive polymer on the surface of the new synthesized 2-(pyridin-3-ylmethylene) hydrazine-1-carbothioamide-modified electrode: computational and electrochemical study. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1441-1449.	2.2	5
131	Electroanalytical Sensing of Piperazine at Carbon Nanotubes/Nafion Composite-modified Glassy Carbon and Screen-printed Carbon Electrodes in Human Plasma. <i>Journal of Analytical Chemistry</i> , 2020, 75, 238-245.	0.9	4
132	Application of Nanocrystalline Graphite-like Pyrolytic Carbon Film Electrode in the Electroanalytical Determination of Famotidine. <i>Electroanalysis</i> , 2017, 29, 756-764.	2.9	3
133	A Study of the Electro-Catalytic Oxidation of Methanol on a Ni-Functionalized Graphene Oxide/p-Type Conductive Polymer Modified Graphite Electrode: Experimental and Theoretical Approach. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 381-391.	0.9	3
134	Electrosynthesis of highly pure perovskite type YbMnO ₃ nanoparticles and its nanocomposite with conjugated polymer: Surface, density of state and electrochemical investigation. <i>Surfaces and Interfaces</i> , 2021, 24, 101130.	3.0	3
135	Physioelectrochemical Investigation of Electrocatalytic Oxidation of Saccharose on Conductive Polymer Modified Graphite Electrode. <i>Journal of Electrochemical Science and Technology</i> , 2015, 6, 88-94.	2.2	3
136	Inhibitory effect of new azole derivative in the corrosion of aluminum in acidic medium: common electrochemical and electrochemical noise investigation. <i>Metallic Materials</i> , 2016, 54, 233-239.	0.3	3
137	Electrochemical and Optical Investigation of Conductive Polymer and MWCNT Nanocomposite Film. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	3
138	Electrochemical investigation of inhibitory of new synthesized 3-(4-iodophenyl)-2-imino-2,3-dihydrobenzo[d]oxazol-5-yl 4-methylbenzenesulfonate on corrosion of Al in acidic medium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 348-355.	1.1	2
139	Anodized Edge-plane pyrolytic graphite for electroanalysis of pantoprazole in tablet dosage forms and human urine samples. <i>South African Journal of Chemistry</i> , 2016, 69, .	0.6	2
140	Physioelectrochemical Investigation of Electrocatalytic Oxidation of Saccharose on Conductive Polymer Modified Graphite Electrode. <i>Journal of Electrochemical Science and Technology</i> , 2015, 6, 88-94.	2.2	2
141	Effect of Complex Ceramic Oxide Nanoparticles Addition on the Corrosion Behavior of Stainless Steel in Artificial Sea Water: Physical Chemistry Approach. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019, 55, 371-376.	1.1	1
142	Effect of morphology on supercapacitive and optical properties of chemically grown Graphene-Nickel Oxide nanocomposites. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050229.	2.0	1
143	External Electric Field Effects on Electronic Properties of a Candidate Eco-friendly Biopolymer and Its Anticorrosive Properties in Acidic Media. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 522-534.	2.5	1
144	Superior rate capability and cyclic stability of poly orthoaminophenol nanocomposite film in the presence of benzidine functionalized graphene oxide. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1789.	1.4	1

#	ARTICLE	IF	CITATIONS
145	Nano-alginate. , 2021, , 219-248.		0
146	Inhibitory effect of new azole derivative in the corrosion of aluminum in acidic medium: common electrochemical and electrochemical noise investigation. Metallic Materials, 2021, 54, 233-239.	0.3	0
147	Electrochemical and QTAIM Evaluation of Anticorrosive Properties of bis(1,4-Isomeric Pyridine) Tj ETQq1 1 0.784314,rgBT /Overlock 1	1.1	0