

Shahram Ghasemi

List of Publications by Year in descending order

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103
papers

3,081
citations

126708

33
h-index

197535

49
g-index

103
all docs

103
docs citations

103
times ranked

3774
citing authors

#	ARTICLE	IF	CITATIONS
1	Size effect investigation on battery performance: Comparison between micro- and nano-particles of $\text{Ni}(\text{OH})_2$ as nickel battery cathode material. <i>Journal of Power Sources</i> , 2010, 195, 5794-5800.	4.0	129
2	Nickel/mesoporous silica (SBA-15) modified electrode: An effective porous material for electrooxidation of methanol. <i>Electrochimica Acta</i> , 2013, 88, 463-472.	2.6	97
3	Sonochemical-assisted synthesis of nano-structured lead dioxide. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 448-455.	3.8	91
4	Effect of surfactant on the electrochemical performance of graphene/iron oxide electrode for supercapacitor. <i>Journal of Power Sources</i> , 2015, 289, 129-137.	4.0	90
5	A novel sensor based on Ag-loaded zeolitic imidazolate framework-8 nanocrystals for efficient electrocatalytic oxidation and trace level detection of hydrazine. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 627-633.	4.0	89
6	Sonochemical assisted synthesis MnO_2/RGO nanohybrid as effective electrode material for supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 675-685.	3.8	70
7	Nickel/P nanozeolite modified electrode: A new sensor for the detection of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 1-10.	4.0	69
8	Curcumin-loaded chitosan-alginate-STPP nanoparticles ameliorate memory deficits and reduce glial activation in pentylenetetrazol-induced kindling model of epilepsy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 462-471.	2.5	69
9	Adsorption of direct yellow 12 from aqueous solutions by an iron oxide-gelatin nano-adsorbent; kinetic, isotherm and mechanism analysis. <i>Journal of Cleaner Production</i> , 2018, 170, 570-580.	4.6	68
10	Inhibitory effect of some amino acids on corrosion of Pb-Ca-Sn alloy in sulfuric acid solution. <i>Corrosion Science</i> , 2008, 50, 1035-1045.	3.0	67
11	MnO_2 nanoparticles decorated on electrophoretically deposited graphene nanosheets for high performance supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1037-1046.	3.8	67
12	Gold-copper bimetallic nanoparticles supported on nano P zeolite modified carbon paste electrode as an efficient electrocatalyst and sensitive sensor for determination of hydrazine. <i>Biosensors and Bioelectronics</i> , 2018, 107, 111-117.	5.3	66
13	Preparation of graphene/nickel-iron hexacyanoferrate coordination polymer nanocomposite for electrochemical energy storage. <i>Electrochimica Acta</i> , 2015, 160, 337-346.	2.6	65
14	Fabrication of a gold nanocage/graphene nanoscale platform for electrocatalytic detection of hydrazine. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 55-65.	4.0	65
15	Palladium nanoparticles supported on graphene as an efficient electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16184-16191.	3.8	62
16	Design of turn-on luminescent sensor based on nanostructured molecularly imprinted polymer-coated zirconium metal-organic framework for selective detection of chloramphenicol residues in milk and honey. <i>Food Chemistry</i> , 2021, 347, 129034.	4.2	62
17	Synthesis of mesoporous silica (SBA-16) nanoparticles using silica extracted from stem cane ash and its application in electrocatalytic oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12774-12785.	3.8	59
18	Electrochemical deposition of lead dioxide in the presence of polyvinylpyrrolidone. <i>Electrochimica Acta</i> , 2007, 53, 459-467.	2.6	57

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19	Energy storage capacity investigation of pulsed current formed nano-structured lead dioxide. <i>Electrochimica Acta</i> , 2006, 52, 1596-1602.	2.6	54
20	Electrospun CuO-ZnO nanohybrid: Tuning the nanostructure for improved amperometric detection of hydrogen peroxide as a non-enzymatic sensor. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 180-189.	5.0	50
21	Lead ⁺ acid bipolar battery assembled with primary chemically formed positive pasted electrode. <i>Journal of Power Sources</i> , 2007, 164, 896-904.	4.0	46
22	Preparation of CuO/NiO composite nanofibers by electrospinning and their application for electro-catalytic oxidation of hydrazine. <i>Journal of Power Sources</i> , 2017, 343, 467-476.	4.0	46
23	Structural and frequency-dependent dielectric properties of PVP-SiO ₂ -TMSPM hybrid thin films. <i>Organic Electronics</i> , 2016, 32, 100-108.	1.4	43
24	A new modified electrode based on Ag-doped mesoporous SBA-16 nanoparticles as non-enzymatic sensor for hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 271-278.	4.0	42
25	Synthesis and morphological investigation of pulsed current formed nano-structured lead dioxide. <i>Electrochemistry Communications</i> , 2005, 7, 1257-1264.	2.3	40
26	Synthesis and characterization of NaX nanozeolite using stem sweep as silica source and application of Ag-modified nanozeolite in electrocatalytic reduction of H ₂ O ₂ . <i>Biosensors and Bioelectronics</i> , 2014, 62, 1-7.	5.3	39
27	Ag-doped zeolitic imidazolate framework-8 nanoparticles modified CPE for efficient electrocatalytic reduction of H ₂ O ₂ . <i>Electrochimica Acta</i> , 2015, 163, 280-287.	2.6	39
28	Induction of apoptosis in HeLa cancer cells by an ultrasonic-mediated synthesis of curcumin-loaded chitosan–alginate–STPP nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8545-8556.	3.3	39
29	Nano-structured Ni(II) ⁺ curcumin modified glassy carbon electrode for electrocatalytic oxidation of fructose. <i>Electrochimica Acta</i> , 2008, 54, 490-498.	2.6	38
30	Gold nanocages decorated biocompatible amine functionalized graphene as an efficient dopamine sensor platform. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 290-299.	5.0	38
31	A novel non-precious catalyst containing transition metal in nanoporous cobalt based metal-organic framework (ZIF-67) for electrooxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113181.	1.9	36
32	High effective adsorption of acid fuchsin dye using magnetic biodegradable polymer-based nanocomposite from aqueous solutions. <i>Microchemical Journal</i> , 2019, 149, 103966.	2.3	36
33	Studying saturation mobility, threshold voltage, and stability of PMMA-SiO ₂ -TMSPM nano-hybrid as OFET gate dielectric. <i>Synthetic Metals</i> , 2016, 221, 332-339.	2.1	34
34	Removal of Diazinon from aqueous solution by electrocoagulation process using aluminum electrodes. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1016-1020.	1.2	33
35	Application of nano-sized nanoporous zinc 2-methylimidazole metal-organic framework for electrocatalytic oxidation of methanol in alkaline solution. <i>Journal of Power Sources</i> , 2016, 303, 379-387.	4.0	31
36	A dual electrochromic film based on nanocomposite of aniline and o-toluidine copolymer with tungsten oxide nanoparticles. <i>Organic Electronics</i> , 2016, 37, 213-221.	1.4	30

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37	A dual electrochromic film based on nanocomposite of copolymer and WO ₃ nanoparticles: Enhanced electrochromic coloration efficiency and switching response. <i>Journal of Electroanalytical Chemistry</i> , 2016, 774, 14-21.	1.9	30
38	An electrode with Ni(II) loaded analcime zeolite catalyst for the electrooxidation of methanol. <i>Chinese Journal of Catalysis</i> , 2014, 35, 383-390.	6.9	29
39	Emulsion polymerization for the fabrication of poly(o-phenylenediamine)@multi-walled carbon nanotubes nanocomposites: characterization and their application in the corrosion protection of 316L SS. <i>RSC Advances</i> , 2015, 5, 68788-68795.	1.7	29
40	Preparation of Ag nanoparticles on nano cobalt-based metal organic framework (ZIF-67) as catalyst support for electrochemical determination of hydrazine. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5410-5420.	1.1	29
41	Simultaneous electrochemical determination of hydrazine and hydroxylamine by CuO doped in ZSM-5 nanoparticles as a new amperometric sensor. <i>New Journal of Chemistry</i> , 2017, 41, 13712-13723.	1.4	28
42	<p><p>Fabrication and evaluation of novel quercetin-conjugated Fe₃O₄-β-cyclodextrin nanoparticles for potential use in epilepsy disorder</p>.</p> <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6481-6495.	3.3	28
43	A new attitude to environment: Preparation of an efficient electrocatalyst for methanol oxidation based on Ni-doped P zeolite nanoparticles synthesized from stem sweep ash. <i>Electrochimica Acta</i> , 2014, 137, 395-403.	2.6	27
44	Cu ₂ O-Cu(OH) ₂ -graphene nanohybrid as new capacitive material for high performance supercapacitor. <i>Electrochimica Acta</i> , 2016, 210, 225-235.	2.6	27
45	Electrophoretic deposition of graphene nanosheets: A suitable method for fabrication of silver-graphene counter electrode for dye-sensitized solar cell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 477-487.	2.3	27
46	An efficient platform for the electrooxidation of formaldehyde based on amorphous NiWO ₄ nanoparticles modified electrode for fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113270.	1.9	26
47	Bipotential deposition of nickel-cobalt hexacyanoferrate nanostructure on graphene coated stainless steel for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14918-14926.	3.8	25
48	Effect of surfactants on electrocatalytic performance of copper nanoparticles for hydrogen evolution reaction. <i>Journal of Molecular Liquids</i> , 2016, 222, 1068-1075.	2.3	25
49	Modeling the Removal of Endosulfan from Aqueous Solution by Electrocoagulation Process Using Artificial Neural Network (ANN). <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9844-9849.	1.8	24
50	Preparation of NiO nanofibers by electrospinning and their application for electro-catalytic oxidation of ethylene glycol. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 906-913.	3.8	24
51	The low threshold voltage n-type silicon transistors based on a polymer/silica nanocomposite gate dielectric: The effect of annealing temperatures on their operation. <i>Applied Surface Science</i> , 2017, 416, 234-240.	3.1	23
52	Nano P zeolite modified with Au/Cu bimetallic nanoparticles for enhanced hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 605-617.	3.8	23
53	A new DNA-nanobiosensor based on G-quadruplex immobilized on carbon nanotubes modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2012, 82, 143-151.	2.6	22
54	Electrocatalytic detection of hydrazine on synthesized nanozeolite-supported Ag nanoparticle-modified carbon paste electrode at a negative potential in an alkaline medium. <i>Journal of Molecular Liquids</i> , 2016, 218, 663-669.	2.3	22

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55	Self-assemble l-glycine and l-cysteine/polydopamine nanohybrid films coated on 304 stainless steel for corrosion study in sterile seawater. <i>Progress in Organic Coatings</i> , 2018, 119, 127-137.	1.9	22
56	Synthesis of Pt@Cu/poly (o-Anisidine) nanocomposite onto carbon paste electrode and its application for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 292-302.	3.8	21
57	Synthesis of anticorrosion nanohybrid films based on bioinspired dopamine, L-cys/CNT@PDA through self-assembly on 304 stainless steel in 3.5% NaCl. <i>Bioelectrochemistry</i> , 2019, 126, 79-85.	2.4	21
58	Pd-Cu/poly (o-Anisidine) nanocomposite as an efficient catalyst for formaldehyde oxidation. <i>Materials Research Bulletin</i> , 2016, 80, 107-119.	2.7	20
59	Amperometric hydrazine sensor based on the use of Pt-Pd nanoparticles placed on reduced graphene oxide nanosheets. <i>Mikrochimica Acta</i> , 2019, 186, 601.	2.5	19
60	Electrophoretic preparation of graphene-iron oxide nanocomposite as an efficient Pt-free counter electrode for dye-sensitized solar cell. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 245-253.	1.2	18
61	Novel bimetallic nanoporous Pd-Cu-SBA-16/CPE as a highly sensitive sensor for determination of formaldehyde. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 308-314.	1.9	17
62	Preparation of electrochemically reduced graphene oxide/bimetallic copper-platinum nanohybrid as counter electrode for fabrication of dye-sensitized solar cell. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 242-250.	1.9	17
63	Conducting nanocomposites of polypyrrole-co-polyindole doped with carboxylated CNT: Synthesis approach and anticorrosion/antibacterial/antioxidation property. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114673.	1.7	17
64	Synthesis of poly (2-Methoxyaniline)/sodium dodecyl sulfate film including bimetallic Pt@Cu nanoparticles and its application for formic acid oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2182-2192.	3.8	16
65	The synthesis of analcime zeolite nanoparticles using silica extracted from stem of sorghum Halepensis ash and their application as support for electrooxidation of formaldehyde. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21181-21192.	3.8	16
66	Preparation of a novel supported electrode comprising a nickel (II) hydroxide-modified carbon paste electrode (Ni(OH) ₂ -X/CPE) for the electrocatalytic oxidation of formaldehyde. <i>Chinese Journal of Catalysis</i> , 2016, 37, 159-168.	6.9	16
67	Using of silver nanoparticles incorporated in nanoporous ZSM-5 hierarchical zeolite prepared from bagasse as a new sensor for electrocatalytic determination of H ₂ O ₂ in biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 583-594.	1.9	16
68	Synthesis and Characterization of Cross-Linked Nanocomposite as a Gate Dielectric for p-Type Silicon Field-Effect Transistor. <i>Journal of Electronic Materials</i> , 2018, 47, 3717-3726.	1.0	16
69	Ultrasonic assisted synthesis of Ni ₃ (VO ₄) ₂ -reduced graphene oxide nanocomposite for potential use in electrochemical energy storage. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104869.	3.8	15
70	PdCu bimetallic nanoparticles decorated on ordered mesoporous silica (SBA-15) /MWCNTs as superior electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25468-25485.	3.8	15
71	Preparation of an efficient electrocatalyst for oxalic acid oxidation based on Ag-doped ZSM-5 nanozeolites synthesized from bagasse. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 235-245.	1.9	14
72	Preparation anchored Pd nanoparticles on glyoxal modified metal-organic framework for Sonogashira coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2020, 907, 121069.	0.8	14

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73	Fabrication of novel nanozeolite-supported bimetallic Pt Cu nanoparticles modified carbon paste electrode for electrocatalytic oxidation of formaldehyde. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14026-14035.	3.8	13
74	Electrochemical deposition of Pt-Ni on reduced graphene oxide as counter electrode material for dye-sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 263-268.	2.0	13
75	Electrophoretic deposition of copper-copper hydroxide/graphene oxide nanocomposite for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9067-9076.	1.1	13
76	Sonochemical assisted synthesis of manganese-nickel molybdate/reduced graphene oxide nanohybrid for energy storage. <i>Journal of Alloys and Compounds</i> , 2020, 840, 155665.	2.8	13
77	The synthesis of functionalized magnetic graphene oxide with 5-amino-1,10-phenanthroline and investigation of its dual application in C-N coupling reactions and adsorption of heavy metal ions. <i>Journal of Molecular Structure</i> , 2022, 1261, 132832.	1.8	13
78	Sensitive amperometric determination of hydrazine using a carbon paste electrode modified with silver-doped zeolite L nanoparticles. <i>Bulletin of Materials Science</i> , 2017, 40, 177-185.	0.8	12
79	Versatile and an efficient Sonogashira coupling reaction catalyzed with modified Pd-functionalized TMU-16 as a novel and reusable nanocatalyst. <i>Journal of Organometallic Chemistry</i> , 2021, 950, 121975.	0.8	12
80	MOF nano porous-supported C-S cross coupling through one-pot post-synthetic modification. <i>Journal of Organometallic Chemistry</i> , 2019, 898, 120867.	0.8	11
81	Förster resonance energy transfer-based molecularly imprinted polymer /amine-functionalized metal-organic framework nanocomposite for trace level detection of 4-nitrophenol. <i>Analytica Chimica Acta</i> , 2022, 1202, 339638.	2.6	11
82	Reduction the leakage current through povidone-SiO ₂ nano-composite as a promising gate dielectric of FETs. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13313-13319.	1.1	10
83	Preparation of nanohybrid electrocatalyst based on reduced graphene oxide sheets decorated with Pt nanoparticles for hydrogen evolution reaction. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 101-109.	1.2	10
84	Enhancement of electron transfer kinetics on a polyaniline-modified electrode in the presence of anionic dopants. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 259-268.	1.2	9
85	Hydrothermal synthesis of lead dioxide/multiwall carbon nanotube nanocomposite and its application in removal of some organic water pollutants. <i>Journal of Materials Science</i> , 2014, 49, 1014-1024.	1.7	9
86	Novel Composite Based on Bimetallic AuNi-Embedded Nano X Zeolite/MWCNT as a Superior Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19384-19395.	3.2	9
87	Improved electrocatalytic activity of ethanol oxidation over Pd/TiO ₂ nanofibers-carbon black nanocomposite. <i>Materials Chemistry and Physics</i> , 2020, 252, 123317.	2.0	9
88	Nanostructured nickel sulfide/graphene oxide-polypyrrole as platinum-free counter electrode for dye-sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 405, 112966.	2.0	8
89	Microwave-assisted synthesis of NaA nanozeolite from slag and performance of Ag-doped nanozeolite as an efficient material for determination of hydrogen peroxide. <i>RSC Advances</i> , 2016, 6, 52058-52066.	1.7	7
90	Ag-supported nanozeolite L-modified electrode: a new high performance nonenzymatic hydrogen peroxide sensor. <i>Monatshefte für Chemie</i> , 2016, 147, 1467-1474.	0.9	7

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91	Fabrication and Performance Evaluation of Pd-Cu Nanoparticles for Hydrogen Evolution Reaction. ChemistrySelect, 2019, 4, 6854-6861.	0.7	7
92	Nickel-cobalt manganate supported on reduced graphene oxide/carbon nanotube for improving air cathode performance in single chamber microbial fuel cell. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 275, 115492.	1.7	7
93	Efficient electrocatalysis of formic acid oxidation onto Pd-Cu/poly (2-methoxyaniline)-SDS nanocomposite film. Ionics, 2017, 23, 707-716.	1.2	5
94	The effect of electro-polymerization method on supercapacitive properties of poly (o-Anisidine)/CNT nanocomposites. Synthetic Metals, 2018, 246, 16-22.	2.1	5
95	Synthesis of MCM-41 nanoparticles from stem of common reed ash silica and their application as substrate in electrooxidation of methanol. Bulletin of Materials Science, 2018, 41, 1.	0.8	5
96	Preparation of MoS ₂ -reduced graphene oxide/Au nanohybrid for electrochemical sensing of hydrazine. Journal of Materials Science: Materials in Electronics, 2021, 32, 7765-7777.	1.1	5
97	Acute administration of sulfur-doped g-C ₃ N ₄ induces cognitive deficits and exacerbates the levels of glial activation in mouse hippocampus. Brain Research Bulletin, 2021, 176, 54-66.	1.4	5
98	Pd nanoparticles catalyst supported on TMU-16-NH ₂ metal-organic framework for Sonogashira cross-coupling reaction. Journal of Organometallic Chemistry, 2022, 958, 122158.	0.8	5
99	Pd-modified TMU-3 metal-organic framework through a simple ion-exchange method as an efficient and reusable nanocatalyst for Sonogashira coupling reaction. Journal of Organometallic Chemistry, 2022, 964, 122301.	0.8	5
100	The removal of Direct Yellow 12 from synthetic aqueous solution by a novel magnetic nanobioadsorbent. International Journal of Environmental Science and Technology, 2019, 16, 8343-8354.	1.8	3
101	TMU-16-NH ₂ MOF modified with organic ligands for stabilization of copper nanoparticles: an efficient and crystalline heterogeneous catalyst for the synthesis of propargyl amines derivatives under green reaction condition. Applied Organometallic Chemistry, 0, , .	1.7	3
102	Preparation Immobilized Cu Nanoparticles on Modified Metal-Organic Framework via Linker Design as an Effective and Highly Efficient Nanocatalyst for the Synthesis of Propargyl Amines Derivatives. Polycyclic Aromatic Compounds, 2023, 43, 2920-2937.	1.4	2
103	Comparative Evaluation of Physical and Mechanical Properties of Different Brands of Primary Molar Stainless-Steel Crowns: An In Vitro Study. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 4120-4126.	0.1	1