

Rahim Mohammad-Rezaei

List of Publications by Year in descending order

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52
papers

1,310
citations

394421

19
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361022

35
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54
all docs

54
docs citations

54
times ranked

2102
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#	ARTICLE	IF	CITATIONS
1	Electrodeposition of Cerium Oxide Nanoparticles on the Graphenized Carbon Ceramic Electrode (GCCE) for the Sensitive Determination of Isoprenaline in Human Serum by Differential Pulse Voltammetry (DPV). <i>Analytical Letters</i> , 2022, 55, 2418-2435.	1.8	10
2	The heterostructure of ceria and hybrid transition metal oxides with high electrocatalytic performance for water splitting and enzyme-free glucose detection. <i>Journal of Electroanalytical Chemistry</i> , 2022, 915, 116369.	3.8	11
3	Enhanced water splitting through different substituted cobalt-salophen electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 389-402.	7.1	12
4	Water oxidation activity of azo-azomethine-based Ni (II), Co (II), and Cu (II) complexes. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6103.	3.5	12
5	Preparation of cerium oxide-MWCNTs nanocomposite bulk modified carbon ceramic electrode: a sensitive sensor for tamoxifen determination in human serum samples. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14601-14609.	2.2	3
6	Ionic liquid-functionalized graphene quantum dots as an efficient quasi-solid-state electrolyte for dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2288-2297.	2.2	25
7	Preconcentration of mercury(II) using a magnetite@carbon/dithizone nanocomposite, and its quantification by anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2020, 187, 2.	5.0	30
8	A novel bio-inspired conductive, biocompatible, and adhesive terpolymer based on polyaniline, polydopamine, and polylactide as scaffolding biomaterial for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1174-1184.	7.5	56
9	Controlled Electrodeposition of Au-Copper Oxide Nanocomposite on a Renewable Carbon Ceramic Electrode for Sensitive Determination of NADH in Serum Samples. <i>Electroanalysis</i> , 2020, 32, 606-612.	2.9	7
10	Fabrication of flexible polyaniline@ZnO hollow sphere hybrid films for high-performance NH ₃ sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19119-19129.	2.2	7
11	Conducting polymer-based electrically conductive adhesive materials: design, fabrication, properties, and applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10947-10961.	2.2	30
12	Nickel (II) and cobalt (II) complexes with bidentate nitrogen-sulfur donor pyrazole derivative ligands: Syntheses, characterization, X-ray structure, electrochemical studies, and antibacterial activity. <i>Polyhedron</i> , 2020, 180, 114423.	2.2	18
13	A de novo theranostic nanomedicine composed of PEGylated graphene oxide and gold nanoparticles for cancer therapy. <i>Journal of Materials Research</i> , 2020, 35, 430-441.	2.6	33
14	Green and Efficient Synthesis of Fluorescent Bis(pyrazolyl)methanes in Choline Chloride/Urea Deep Eutectic Solvent. <i>Letters in Organic Chemistry</i> , 2020, 17, 548-554.	0.5	2
15	Graphene quantum dots coated on quartz sand as efficient and low-cost adsorbent for removal of Hg ²⁺ and Pb ²⁺ from aqueous solutions. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S24.	2.3	21
16	Amine-functionalized carbon nanotubes as curing agent for polystyrene-modified novolac epoxy resin: synthesis, characterization and possible applications. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	7
17	Scaffolding polymeric biomaterials: Are naturally occurring biological macromolecules more appropriate for tissue engineering?. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 673-694.	7.5	145
18	Polystyrene-modified novolac epoxy resin/clay nanocomposite: Synthesis, and characterization. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1484-1492.	3.2	9

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19	Synthesis and characterization of poly (1-ethyl-3-(3-butylimidazolium) methyl methacrylate) gel polymer electrolytes for dye-sensitized solar cells: Effect of structure and composition. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1767-1776.	3.2	6
20	Electrically conductive adhesive based on novolac-grafted polyaniline: synthesis and characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2821-2828.	2.2	8
21	Manganese oxide nanoparticles electrodeposited on graphenized pencil lead electrode as a sensitive miniaturized pH sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1998-2005.	2.2	7
22	PEGylated graphene oxide/Fe ₃ O ₄ nanocomposite: Synthesis, characterization, and evaluation of its performance as de novo drug delivery nanosystem. <i>Bio-Medical Materials and Engineering</i> , 2018, 29, 177-190.	0.6	30
23	Novel strategies for the synthesis of hydroxylated and carboxylated polystyrenes. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	16
24	Magnetic solid-phase extraction of malachite green using soluble eggshell membrane protein doped with magnetic graphene oxide nanocomposite. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 1242-1252.	3.3	9
25	Target-triggered three-way junction in conjugation with catalytic concatemers-functionalized nanocomposites provides a highly sensitive colorimetric method for miR-21 detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 567-574.	10.1	34
26	Electrodeposition of Ag nanoparticles on graphenized pencil lead electrode as a sensitive and low-cost sensor for iodate determination. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 2475-2482.	2.2	2
27	NiO nanoparticles electrodeposited on reduced GO-CuO nanocomposite bulk modified CCE as a sensitive glucose sensor. <i>Micro and Nano Letters</i> , 2017, 12, 217-222.	1.3	11
28	Preparation and Characterization of Graphenized Pencil Lead Electrode for Sensitive Determination of Bisphenol A in Canned Food and Plastic Bottled Drinking Water Samples. <i>Sensor Letters</i> , 2017, 15, 729-735.	0.4	2
29	Graphene quantum dots-eggshell nanocomposite to extract polycyclic aromatic hydrocarbons in water. <i>Environmental Chemistry Letters</i> , 2016, 14, 521-526.	16.2	22
30	Multiwall carbon nanotubes decorated on calcined eggshell waste as a novel nano-sorbent: Application for anionic dye Congo red removal. <i>Chemical Engineering Research and Design</i> , 2016, 109, 824-834.	5.6	52
31	Synthesis and fluorescence studies of dual-responsive nanoparticles based on amphiphilic azobenzene-contained poly (monomethyl itaconate). <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	4
32	Chemical and electrochemical grafting of polyaniline onto poly(vinyl chloride): synthesis, characterization, and materials properties. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1056-1063.	3.2	15
33	Ultrasensitive caspase-3 activity detection using an electrochemical biosensor engineered by gold nanoparticle functionalized MCM-41: Its application during stem cell differentiation. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 561-575.	7.8	53
34	Solid phase extraction of mercury(II) using soluble eggshell membrane protein doped with reduced graphene oxide, and its quantitation by anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2016, 183, 555-562.	5.0	24
35	A Renewable and Sensitive Glucose Sensor Based on Bulk-Modified Reduced Graphene Oxide-Nickel Oxide Nanocomposite Carbon Ceramic Electrode. <i>Sensor Letters</i> , 2016, 14, 967-973.	0.4	1
36	Chemical and electrochemical grafting of polypyrrole onto thiophene-functionalized polystyrene macromonomer. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 463-470.	4.0	18

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37	Efficient synthesis of xanthene derivatives using carboxyl functionalized graphene quantum dots as an acidic nano-catalyst under microwave irradiation. <i>RSC Advances</i> , 2015, 5, 88202-88208.	3.6	18
38	Carboxyl and nitrite functionalized graphene quantum dots as a highly active reagent and catalyst for rapid diazotization reaction and synthesis of azo-dyes under solvent-free conditions. <i>Dyes and Pigments</i> , 2015, 113, 522-528.	3.7	40
39	Graphene ceramic composite as a new kind of surface-renewable electrode: application to the electroanalysis of ascorbic acid. <i>Mikrochimica Acta</i> , 2014, 181, 1879-1885.	5.0	8
40	Electrochemically Reduced Graphene Oxide Modified Carbon Ceramic Electrode for the Determination of Pyridoxine. <i>Analytical Chemistry Letters</i> , 2014, 4, 73-85.	1.0	8
41	Preparation and characterization of Fe ₃ O ₄ /graphene quantum dots nanocomposite as an efficient adsorbent in magnetic solid phase extraction: application to determination of bisphenol A in water samples. <i>Analytical Methods</i> , 2014, 6, 8413-8419.	2.7	54
42	Preparation of graphene oxide doped eggshell membrane bioplatfrom modified Prussian blue nanoparticles as a sensitive hydrogen peroxide sensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 188-193.	5.0	21
43	Synthesis of CdTe Nanocrystals in Different Sizes and Study of Their Interactions with Dopamine by Fluorescence Spectroscopy. <i>Sensor Letters</i> , 2014, 12, 147-152.	0.4	0
44	Electrochemical Behavior and Voltammetric Determination of Diclofenac at a Multi-Walled Carbon Nanotube-Ionic Liquid Composite Modified Carbon Ceramic Electrode. <i>Analytical Letters</i> , 2013, 46, 1885-1896.	1.8	18
45	Graphene quantum dots as a new substrate for immobilization and direct electrochemistry of glucose oxidase: Application to sensitive glucose determination. <i>Biosensors and Bioelectronics</i> , 2013, 41, 498-504.	10.1	290
46	penicillamine capped cadmium telluride quantum dots as a novel fluorometric sensor of copper(II). <i>Luminescence</i> , 2013, 28, 503-509.	2.9	14
47	Prussian Blue Nanoparticles Self Assembling on Electrochemically Reduced Graphene Oxide Modified CC Electrode for Sensitive Hydrogen Peroxide Detection. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1484-1490.	1.4	4
48	Reduced Graphene Oxide Carbon Ceramic Electrode Modified with CdS@Hemoglobin as a Sensitive Hydrogen Peroxide Biosensor. <i>Electroanalysis</i> , 2012, 24, 2094-2101.	2.9	12
49	Amperometric determination of L-tyrosine by an enzymeless sensor based on a carbon ceramic electrode modified with copper oxide nanoparticles. <i>Mikrochimica Acta</i> , 2011, 173, 59-64.	5.0	29
50	Preparation of tungsten oxide nanoporous thin film at carbon ceramic electrode for electrocatalytic applications. <i>Electrochimica Acta</i> , 2011, 56, 7220-7223.	5.2	17
51	Non-enzymatic hydrogen peroxide sensor using an electrode modified with iron pentacyanonitrosylferrate nanoparticles. <i>Mikrochimica Acta</i> , 2010, 171, 257-265.	5.0	23
52	Simultaneous Electrodeposition of Reduced Graphene Quantum Dots/Copper Oxide Nanocomposite on the Surface of Carbon Ceramic Electrode for the Electroanalysis of Adenine and Guanine. <i>Electroanalysis</i> , 0, , .	2.9	1