

Mir Reza Majidi

List of Publications by Year in descending order

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85
papers

3,108
citations

136885

32
h-index

168321

53
g-index

85
all docs

85
docs citations

85
times ranked

2859
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of inhibition effect of some amino acids against steel corrosion in HCl solution. <i>Applied Surface Science</i> , 2004, 225, 176-185.	3.1	321
2	Enantioselective electropolymerization of aniline in the presence of (+)- or (âˆ-)camphorsulfonate ion: a facile route to conducting polymers with preferred one-screw-sense helicity. <i>Polymer</i> , 1994, 35, 3113-3115.	1.8	172
3	Chemical generation of optically active polyaniline via the doping of emeraldine base with (+)- or (?)-camphorsulfonic acid. <i>Polymer</i> , 1995, 36, 3597-3599.	1.8	126
4	Simultaneous determination of dopamine and uric acid in biological samples on the pretreated pencil graphite electrode. <i>Electrochimica Acta</i> , 2013, 91, 36-42.	2.6	112
5	Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2006, 589, 32-37.	1.9	104
6	Carbon Nanotubeâ€“Ionic Liquid (CNTâ€“IL) Nanocomposite Modified Sol-Gel Derived Carbon-Ceramic Electrode for Simultaneous Determination of Sunset Yellow and Tartrazine in Food Samples. <i>Food Analytical Methods</i> , 2013, 6, 1388-1397.	1.3	89
7	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
8	Recent advances in the highly sensitive determination of zearalenone residues in water and environmental resources with electrochemical biosensors. <i>Environmental Research</i> , 2022, 204, 112082.	3.7	77
9	Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007, 52, 6248-6253.	2.6	74
10	Reaction and nucleation mechanisms of copper electrodeposition on disposable pencil graphite electrode. <i>Electrochimica Acta</i> , 2009, 54, 1119-1126.	2.6	69
11	Recent advances on portable sensing and biosensing assays applied for detection of main chemical and biological pollutant agents in water samples: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116344.	5.8	69
12	Facile synthesis of optically active polyaniline and polytoluidine. <i>Polymer</i> , 1996, 37, 359-362.	1.8	68
13	Influence of the chiral dopant anion on the generation of induced optical activity in polyanilines. <i>Polymer</i> , 1997, 38, 2627-2631.	1.8	66
14	MnO _x -based electrocatalysts for enhanced oxygen reduction in microbial fuel cell air cathodes. <i>Journal of Power Sources</i> , 2018, 390, 45-53.	4.0	64
15	State of the art: Lateral flow assays toward the point-of-care foodborne pathogenic bacteria detection in food samples. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 1868-1912.	5.9	60
16	Recent advances of electrochemical and optical biosensors for detection of C-reactive protein as a major inflammatory biomarker. <i>Microchemical Journal</i> , 2020, 158, 105287.	2.3	59
17	A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of <i>Haemophilus Influenzae</i> in human plasma samples. <i>Mikrochimica Acta</i> , 2021, 188, 100.	2.5	57
18	Lateral flow assays (LFA) for detection of pathogenic bacteria: A small point-of-care platform for diagnosis of human infectious diseases. <i>Talanta</i> , 2022, 243, 123330.	2.9	54

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19	Sensing L-cysteine in urine using a pencil graphite electrode modified with a copper hexacyanoferrate nanostructure. <i>Mikrochimica Acta</i> , 2010, 169, 283-288.	2.5	49
20	Layer double hydroxides (LDHs)- based electrochemical and optical sensing assessments for quantification and identification of heavy metals in water and environment samples: A review of status and prospects. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 31, e00139.	5.3	49
21	Bimetallic Fe/Mn MOFs/M ¹² CD/AuNPs stabilized on MWCNTs for developing a label-free DNA-based genosensing bio-assay applied in the determination of Salmonella typhimurium in milk samples. <i>Chemosphere</i> , 2022, 287, 132373.	4.2	48
22	Reusable potentiometric screen-printed sensor and label-free aptasensor with pseudo-reference electrode for determination of tryptophan in the presence of tyrosine. <i>Talanta</i> , 2016, 150, 425-433.	2.9	47
23	Carbon-supported Fe/Mn-based perovskite-type oxides boost oxygen reduction in bioelectrochemical systems. <i>Carbon</i> , 2019, 145, 716-724.	5.4	47
24	Patulin and Trichothecene: characteristics, occurrence, toxic effects and detection capabilities via clinical, analytical and nanostructured electrochemical sensing/biosensing assays in foodstuffs. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5540-5568.	5.4	45
25	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021, 281, 130717.	4.2	45
26	Lateral flow assays (LFA) as an alternative medical diagnosis method for detection of virus species: The intertwine of nanotechnology with sensing strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 145, 116460.	5.8	45
27	Frontiers in conventional and nanomaterials based electrochemical sensing and biosensing approaches for Ochratoxin A analysis in foodstuffs: A review. <i>Food and Chemical Toxicology</i> , 2021, 149, 112030.	1.8	44
28	A PCR-free genosensing platform for detection of Shigella dysenteriae in human plasma samples by porous and honeycomb-like biochar decorated with ultrathin flower-like MoS ₂ nanosheets incorporated with Au nanoparticles. <i>Chemosphere</i> , 2022, 288, 132531.	4.2	39
29	A sensitive and fast electrochemical sensor based on copper nanostructures for nitrate determination in foodstuffs and mineral waters. <i>Analytical Methods</i> , 2013, 5, 3552.	1.3	38
30	Ion Selective Nanochannels: From Critical Principles to Sensing and Biosensing Applications. <i>Advanced Materials Technologies</i> , 2021, 6, 2000765.	3.0	37
31	Facile fabrication and characterization of silver nanodendrimers supported by graphene nanosheets: A sensor for sensitive electrochemical determination of Imidacloprid. <i>Journal of Electroanalytical Chemistry</i> , 2017, 792, 46-53.	1.9	35
32	State-of-the-art cancer biomarker detection by portable (Bio) sensing technology: A critical review. <i>Microchemical Journal</i> , 2022, 177, 107248.	2.3	35
33	Amperometric sensor based on carbon dots decorated self-assembled 3D flower-like Ni(OH) ₂ nanosheet arrays for the determination of nitrite. <i>Electrochimica Acta</i> , 2018, 291, 132-141.	2.6	33
34	Formation of graphene nanoplatelet-like structures on carbon-ceramic electrode surface: application for simultaneous determination of sunset yellow and tartrazine in some food samples. <i>Ionics</i> , 2015, 21, 863-875.	1.2	31
35	Graphene nanoplatelets like structures formed on ionic liquid modified carbon-ceramic electrode: As a sensing platform for simultaneous determination of dopamine and acetaminophen. <i>Journal of Molecular Liquids</i> , 2016, 220, 778-787.	2.3	31
36	Development of Simple Electrochemical Sensor for Selective Determination of Methadone in Biological Samples Using Multi-walled Carbon Nanotubes Modified Pencil Graphite Electrode. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 461-468.	0.8	29

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37	Factors controlling the induction of optical activity in chiral polyanilines. <i>Synthetic Metals</i> , 1997, 84, 115-116.	2.1	28
38	Hydrogen bubble dynamic template fabrication of nanoporous Cu film supported by graphene nanosheets: A highly sensitive sensor for detection of nitrite. <i>Talanta</i> , 2017, 175, 21-29.	2.9	28
39	Determination of Imidacloprid in Tomato Grown in Greenhouse Based on Copper(II) Phthalocyanine Modified Carbon Ceramic Electrode by Differential Pulse Voltammetry. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 207-214.	0.8	27
40	Microfluidic paper-based analytical devices (μ PADs) for fast and ultrasensitive sensing of biomarkers and monitoring of diseases. <i>BioImpacts</i> , 2018, 8, 237-240.	0.7	27
41	Direct detection of tryptophan for rapid diagnosis of cancer cell metastasis competence by an ultra-sensitive and highly selective electrochemical biosensor. <i>Analytical Methods</i> , 2016, 8, 7910-7919.	1.3	25
42	Electrochemical Synthesis of Optically Active Polyanilines. <i>Australian Journal of Chemistry</i> , 1998, 51, 23.	0.5	25
43	Determination of uric acid in biological samples on the pretreated pencil graphite electrode. <i>Analytical Methods</i> , 2012, 4, 2288.	1.3	23
44	Synthesis of dendritic silver nanostructures supported by graphene nanosheets and its application for highly sensitive detection of diazepam. <i>Materials Science and Engineering C</i> , 2015, 57, 257-264.	3.8	23
45	Development of screen-printed tryptophan-kynurenine immunosensor for in vitro assay of kynurenine-mediated immunosuppression effect of cancer cells on activated T-cells. <i>Biosensors and Bioelectronics</i> , 2017, 92, 287-293.	5.3	23
46	Emerging electrochemical sensing and biosensing approaches for detection of Fumonisin in food samples. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8761-8776.	5.4	21
47	Recent trends in layered double hydroxides based electrochemical and optical (bio)sensors for screening of emerging pharmaceutical compounds. <i>Environmental Research</i> , 2022, 211, 113068.	3.7	21
48	Electrochemical Determination of Bromate in Different Types of Flour and Bread by a Sensitive Amperometric Sensor Based on Palladium Nanoparticles/Graphene Oxide Nanosheets. <i>Food Analytical Methods</i> , 2015, 8, 2011-2019.	1.3	20
49	Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure. <i>Analytical Methods</i> , 2011, 3, 646.	1.3	19
50	Voltammetric Determination of Hemoglobin Using a Pencil Lead Electrode. <i>Electroanalysis</i> , 2011, 23, 1984-1990.	1.5	19
51	Enhanced activity for non-enzymatic glucose biosensor by facile electro-deposition of cauliflower-like NiWO ₄ nanostructures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 301-308.	2.7	19
52	Modeling drug solubility in water-cosolvent mixtures using an artificial neural network. <i>Il Farmaco</i> , 2004, 59, 505-512.	0.9	18
53	Ionic liquid modified carbon-ceramic electrode with structure similar to Graphene nanoplatelets: Application to Imidacloprid determination in some agricultural products. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 93, 29-35.	2.5	18
54	Pencil Lead Electrode Modified with Hemoglobin Film as a Novel Biosensor for Nitrite Determination. <i>Electroanalysis</i> , 2013, 25, 1742-1750.	1.5	16

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55	Electrochemical layered double hydroxide (LDH)-based biosensors for pesticides detection in food and environment samples: A review of status and prospects. <i>Food and Chemical Toxicology</i> , 2022, 164, 113010.	1.8	16
56	Electrochemical Characteristics of a Copper Hexacyanoferrate (CuHCNF) Modified Composite Carbon Electrode and Its Application toward Sulfite Oxidation. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 391-398.	0.8	15
57	Resolution of Differential Pulse Voltammetric Peaks Using Genetic Algorithm Based Variable Selection-Partial Least Squares and Principal Component-Artificial Neural Networks. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 21-28.	0.8	14
58	Microfluidic-based separation and detection of synthetic antioxidants by integrated gold electrodes followed by HPLC-DAD. <i>Microchemical Journal</i> , 2019, 149, 104059.	2.3	14
59	Nanobiocomposite Modified Carbon-Ceramic Electrode Based on Nano-TiO ₂ -Plant Tissue and Its Application for Electrocatalytic Oxidation of Dopamine. <i>Electroanalysis</i> , 2010, 22, 1772-1780.	1.5	13
60	Simple and Rapid Amperometric Monitoring of Hydrogen Peroxide at Hemoglobin-Modified Pencil Lead Electrode as a Novel Biosensor: Application to the Analysis of Honey Sample. <i>Food Analytical Methods</i> , 2015, 8, 1067-1077.	1.3	13
61	Facile synthesis of ZnTe/Quinhydrone nanocomposite as a promising catalyst for electro-oxidation of ethanol in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22085-22097.	3.8	13
62	Determination of Fenitrothion in River Water and Commercial Formulations by Adsorptive Stripping Voltammetry with a Carbon Ceramic Electrode. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 548-554.	0.7	12
63	Evaluation of Flavonoid Derivative and Doxorubicin Effects in Lung Cancer Cells (A549) Using Differential Pulse Voltammetry Method. <i>Advanced Pharmaceutical Bulletin</i> , 2018, 8, 637-642.	0.6	12
64	An electrochemical sensor for simultaneous determination of some pharmaceutical compounds using ionic liquid and Pd nanoparticles supported on porous silicon doped carbon-ceramic electrode as a renewable surface composite electrode. <i>Microchemical Journal</i> , 2021, 161, 105724.	2.3	12
65	Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs). <i>Fluid Phase Equilibria</i> , 2004, 225, 133-139.	1.4	10
66	Development of Voltammetric Sensor for Determination of Tryptophan Using MWCNTs-modified Sol-Gel Electrode. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1473-1478.	0.8	10
67	Tailoring morphology and structure of manganese oxide nanomaterials to enhance oxygen reduction in microbial fuel cells. <i>Synthetic Metals</i> , 2020, 268, 116487.	2.1	10
68	Sol-Gel-Derived Biosensor Based on Plant Tissue: The Inhibitory Effect of Atrazine on Polyphenol Oxidase Activity for Determination of Atrazine. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 522-528.	0.8	9
69	Amperometric Biosensor for Dopamine Determination Based on Over-Oxidized Polypyrrole-Plant Tissue Composite. <i>International Journal of Polymer Analysis and Characterization</i> , 2009, 14, 89-101.	0.9	9
70	Carbon nanotube-ionic liquid nanocomposite modified carbon-ceramic electrode for determination of dopamine in real samples. <i>Open Chemistry</i> , 2013, 11, 1172-1186.	1.0	8
71	Simultaneous Determination of Nitrite and Hydrogen Peroxide Using Hemoglobin Modified Pencil Lead Electrode as a Novel Biosensor: Application to the Analysis of Mother's Milk. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 83-89.	0.8	8
72	Net analyte signal standard addition method for the simultaneous determination of cadmium and nickel. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 789-799.	0.4	7

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73	Voltammetric Determination of Folic Acid with a Overoxidized Polypyrrole Film Modified Sol-Gel Carbon Ceramic Electrode. <i>International Journal of Polymer Analysis and Characterization</i> , 2011, 16, 486-495.	0.9	7
74	Immobilization of lactate as an electroactive indicator on pencil graphite electrode for the development of a new electrochemical biosensor for the detection of lactate dehydrogenase. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, 59-67.	1.2	6
75	Modeling the electrophoretic mobility of beta-blockers in capillary electrophoresis using artificial neural networks. <i>Il Farmaco</i> , 2005, 60, 255-259.	0.9	5
76	Fabrication of ferrocene functionalised ionic liquid/carbon nanotube nanocomposite modified carbon-ceramic electrode: application to the determination of hydrazine. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 50-67.	1.8	5
77	Application of Net Analyte Signal Standard Addition Method (NASSAM) for Simultaneous Determination of Lead and Tin by Differential Pulse Polarography. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 353-361.	0.8	4
78	Effect of Electrophoresis on the Efficiency of Graphite-Nano-TiO ₂ Modified Silica Sol-Gel Electrode. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3405-3410.	0.9	4
79	Simultaneous Determination of Ascorbic Acid and Uric Acid in Blood Serum Using an Overoxidized Polypyrrole Film Modified Glassy Carbon Electrode. <i>International Journal of Polymer Analysis and Characterization</i> , 2010, 15, 351-359.	0.9	3
80	Electrocatalytic Reduction of Metronidazole on Bismuth Modified Pencil-Gel Electrode. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1253-1259.	0.8	3
81	Electrocatalytic Oxidation and Determination of Nitrite at Multi-walled Carbon Nanotubes Modified Carbon Ceramic Electrode. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 314-320.	0.8	3
82	Nano TiO ₂ Modified Carbon-ceramic Electrode and Its Application for Electrocatalytic Oxidation of NADH. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 632-639.	0.8	2
83	Determination of fenitrothion in river water and commercial formulations by adsorptive stripping voltammetry with a carbon ceramic electrode. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 548-54.	0.7	2
84	Chiral Conductive Polymers. <i>ACS Symposium Series</i> , 0, , 287-312.	0.5	2
85	SU8/glass microchip capillary electrophoresis integrated with Pt electrodes for separation and simultaneous detection of phenylephrine and acetaminophen. <i>BioImpacts</i> , 2020, 11, 263-269.	0.7	1