

# Mandana Amiri

## List of Publications by Year in descending order

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59  
papers

1,763  
citations

304743

22  
h-index

276875

41  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticles in electrochemical sensors for environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1704-1715.	11.4	231
2	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019, 48, 4281-4316.	38.1	187
3	Electrochemical Methodologies for the Detection of Pathogens. <i>ACS Sensors</i> , 2018, 3, 1069-1086.	7.8	178
4	Electrostatic accumulation and determination of triclosan in ultrathin carbon nanoparticle composite film electrodes. <i>Analytica Chimica Acta</i> , 2007, 593, 117-122.	5.4	72
5	Graphitic Carbon Nitride/Chitosan Composite for Adsorption and Electrochemical Determination of Mercury in Real Samples. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 8114-8122.	3.7	71
6	Ultrathin Carbon Nanoparticle Composite Film Electrodes: Distinguishing Dopamine and Ascorbate. <i>Electroanalysis</i> , 2007, 19, 1032-1038.	2.9	67
7	Multi-walled carbon nanotube paste electrode for selective voltammetric detection of isoniazid. <i>Mikrochimica Acta</i> , 2007, 157, 149-158.	5.0	62
8	Poly-dopamine films: Voltammetric sensor for pH monitoring. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 53-58.	7.8	59
9	Electrocatalytic determination of sumatriptan on the surface of carbon-paste electrode modified with a composite of cobalt/Schiff-base complex and carbon nanotube. <i>Bioelectrochemistry</i> , 2011, 81, 81-85.	4.6	47
10	Carbon nanoparticle-chitosan composite electrode with anion, cation, and neutral binding sites: Dihydroxybenzene selectivity. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 194-200.	7.8	45
11	Poly-dopamine thin film for voltammetric sensing of atenolol. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 551-557.	7.8	38
12	Development of the catalytic reactivity of an oxo-peroxo Mo(Schiff base complex) supported on supermagnetic nanoparticles as a reusable green nanocatalyst for selective epoxidation of olefins. <i>RSC Advances</i> , 2016, 6, 27452-27459.	3.6	38
13	In Situ Synthesis of Co <sub>3</sub> O <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> Derived from a Metal-Organic Framework on Nickel Foam: High-Performance Electrocatalyst for Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021, 4, 2951-2959.	5.1	34
14	An Overview on Electrochemical Determination of Cholesterol. <i>Electroanalysis</i> , 2020, 32, 1391-1407.	2.9	33
15	Synthesis, characterization, and immobilization of nickel(II) tetradentate Schiff-base complexes on clay as heterogeneous catalysts for the oxidation of cyclooctene. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1837-1847.	2.2	31
16	Entrapment of uropathogenic E. coli cells into ultra-thin sol-gel matrices on gold thin films: A low cost alternative for impedimetric bacteria sensing. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 161-166.	10.1	29
17	Nickel (II) incorporated AlPO-5 modified carbon paste electrode for determination of thioridazine in human serum. <i>Materials Science and Engineering C</i> , 2014, 37, 342-347.	7.3	28
18	Dispersive liquid-liquid microextraction based on solidification of floating organic droplet followed by spectrofluorimetry for determination of carvedilol in human plasma. <i>Bioanalysis</i> , 2013, 5, 437-448.	1.5	27

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19	Hydrophilic carbon nanoparticulates at the surface of carbon paste electrode improve determination of paracetamol, phenylephrine and dextromethorphan. <i>Journal of Electroanalytical Chemistry</i> , 2014, 735, 10-18.	3.8	27
20	Mercaptotriazole as a nucleophile in addition to o-quinone electrochemically derived from catechol: application to electrosynthesis of a new group of triazole compounds. <i>Electrochemistry Communications</i> , 2005, 7, 68-73.	4.7	25
21	Solution Processable Cu(II) macrocycle for the Formation of Cu <sub>2</sub> O Thin Film on Indium Tin Oxide and Its Application for Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16510-16518.	3.1	25
22	Voltammetric determination of thiocytosine based on its electrocatalytic oxidation on the surface of carbon-paste electrode modified with cobalt Schiff base complexes. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1133-1138.	2.5	23
23	Cu(II) Schiff base complexes on montmorillonite as nano-reactor heterogeneous catalysts for the epoxidation of cyclooctene: synthesis, characterization and immobilization. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 367-381.	1.7	22
24	Simultaneous voltammetric determination of uric acid and ascorbic acid using carbon paste/cobalt Schiff base composite electrode. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2187-2195.	2.5	22
25	Graphene-family materials in electrochemical aptasensors. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 673-699.	3.7	22
26	Cobalt Flower-like Nanostructure as Modifier for Electrocatalytic Determination of Chloropheniramine. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 14384-14389.	3.7	20
27	Excellent photocatalytic reduction of nitroarenes to aminoarenes by BiVO <sub>4</sub> nanoparticles grafted on reduced graphene oxide (rGO/BiVO <sub>4</sub> ). <i>Applied Organometallic Chemistry</i> , 2019, 33, e5059.	3.5	19
28	Facile synthesis of silver nanostructures by using various deposition potential and time: A nonenzymatic sensor for hydrogen peroxide. <i>Materials Chemistry and Physics</i> , 2015, 155, 129-135.	4.0	18
29	Amino functionalized ATRP-prepared polyacrylamide-g-magnetite nanoparticles for the effective removal of Cu(II) ions: Kinetics investigations. <i>Materials Chemistry and Physics</i> , 2018, 205, 195-205.	4.0	18
30	Covalent supporting of novel dioxo-molybdenum tetradentate pyrrole-imine complex on Fe <sub>3</sub> O <sub>4</sub> as high efficiency nanocatalyst for selective epoxidation of olefins. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3804.	3.5	17
31	Modification of MnFe <sub>2</sub> O <sub>4</sub> surface by Mo (VI) pyridylimine complex as an efficient nanocatalyst for (ep)oxidation of alkenes and sulfides. <i>Journal of Molecular Liquids</i> , 2021, 330, 115690.	4.9	16
32	Cysteine-anchored receptor on carbon nanoparticles for dopamine sensing. <i>Electrochimica Acta</i> , 2014, 123, 362-368.	5.2	15
33	Magnetically Reusable MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Modified with Oxo-Peroxo Mo (VI) Schiff-Base Complexes: A High Efficiency Catalyst for Olefin Epoxidation under Solvent-Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 2877-2881.	1.5	15
34	Mixed metal oxides as efficient electrocatalysts for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5250-5259.	7.1	14
35	Effect of post-annealing treatment on the wetting, optical and structural properties of Ag/Indium tin oxide thin films prepared by electron beam evaporation technique. <i>Materials Express</i> , 2015, 5, 137-145.	0.5	13
36	Palladium nanoparticles in electrochemical sensing of trace terazosin in human serum and pharmaceutical preparations. <i>Materials Science and Engineering C</i> , 2017, 75, 368-374.	7.3	12

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37	Copper-based metal-organic framework decorated by CuO hair-like nanostructures: Electrocatalyst for oxygen evolution reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5871.	3.5	11
38	Electrochemiluminescence Sensor Based on N-Doped Carbon Quantum Dots for Determination of Cefazidime in Real Samples. <i>Journal of the Electrochemical Society</i> , 2022, 169, 026523.	2.9	11
39	Interfacial Electron-Shuttling Processes across KolliphorEL Monolayer Grafted Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15458-15465.	8.0	10
40	Carbon nanoparticles with tosyl functional group for distinguishing voltammetric peaks of ascorbic acid and uric acid. <i>Materials Science and Engineering C</i> , 2015, 47, 189-195.	7.3	10
41	Pre-Adsorbed Methylene Blue at Carbon-Modified TiO <sub>2</sub> Electrode: Application for Lead Sensing in Water. <i>IEEE Sensors Journal</i> , 2018, 18, 9477-9485.	4.7	10
42	Polymers of intrinsic microporosity (PIMs) in sensing and in electroanalysis. <i>Current Opinion in Chemical Engineering</i> , 2022, 35, 100765.	7.8	10
43	Positively charged carbon nanoparticulate/sodium dodecyl sulphate bilayer electrode for extraction and voltammetric determination of ciprofloxacin in real samples. <i>RSC Advances</i> , 2016, 6, 30867-30874.	3.6	9
44	Transfer of multivariate calibration model for simultaneous electrochemical determination of ascorbic acid and uric acid. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	1.5	9
45	Alizarin-modified sulfonate carbon nanoparticles in vanadium sensing. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1005-1013.	2.5	8
46	Nanomolar Determination of Penicillamine by Using a Novel Cobalt/Polyaniline/Carbon Paste Nanocomposite Electrode. <i>Electroanalysis</i> , 2012, 24, 2186-2192.	2.9	7
47	Non-enzymatic electrochemical cholesterol sensor based on strong host-guest interactions with a polymer of intrinsic microporosity (PIM) with DFT study. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6523-6533.	3.7	7
48	Synthesis, characterization, crystal structure, electrochemical, solvatochromic and biological investigation of novel N4 and N3 type Cu( <sup>ii</sup> ) Schiff base complexes. <i>New Journal of Chemistry</i> , 2017, 41, 12554-12561.	2.8	6
49	Manganese Ferrite Nanoparticles Modified by Mo(VI) Complex: Highly Efficient Catalyst for Sulfides and Olefins Oxidation Under Solventless Condition. <i>ChemistrySelect</i> , 2019, 4, 7116-7122.	1.5	6
50	An Overview on Electrochemical Sensors Based on Nanomaterials for the Determination of Drugs of Abuse. <i>Current Drug Delivery</i> , 2021, 18, 162-183.	1.6	6
51	Voltammetric Chloride Sensing Based on Trace-Level Mercury Impregnation Into Amine-Functionalized Carbon Nanoparticle Films. <i>IEEE Sensors Journal</i> , 2017, 17, 5437-5443.	4.7	5
52	Effect of Carbon Support on the Electrocatalytic Performance of the Pt Nanoparticles Toward Oxidation of Formic Acid. <i>Catalysis Letters</i> , 2020, 150, 312-321.	2.6	5
53	Indirect Determination of Amikacin by Gold Nanoparticles as Redox Probe. <i>Current Drug Delivery</i> , 2021, 18, 761-769.	1.6	4
54	Electrochemical Determination of Famotidine in Real Samples Using rGO/Cu <sub>2</sub> O Nanocomposite Modified Carbon Paste Electrode. <i>Journal of the Electrochemical Society</i> , 2022, 169, 016505.	2.9	4

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55	Adsorption of Amlodipine at the Surface of Tosylâ”€Carbon Nanoparticles for Electrochemical Sensing. Iranian Journal of Pharmaceutical Research, 2016, 15, 303-311.	0.5	3
56	Nucleophilic Addition of Thiaproline to Electrochemically Derivedo-Quinone, Application to the Sensitive Voltammetric Detection of Thiaproline. Electroanalysis, 2006, 18, 2225-2231.	2.9	1
57	Chemometrics-assisted electrochemical determination of dextromethorphan hydrobromide and phenylephrine hydrochloride by carbon paste electrode. Chemical Papers, 2021, 75, 6565-6573.	2.2	1
58	Achievements of Graphene and Its Derivatives Materials on Electrochemical Drug Assays and Drug-DNA Interactions.. Critical Reviews in Analytical Chemistry, 2021, , 1-22.	3.5	0
59	A mini review on materials used for the colorimetric detection of corticosteroids. Chemical Papers, 0, , 1.	2.2	0