

# Karim Asadpour-Zeynali

## List of Publications by Year in descending order

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86  
papers

1,961  
citations

218677

26  
h-index

289244

40  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Fe/Mn MOFs/M <sup>2</sup> 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. Chemosphere, 2022, 287, 132373.	8.2	48
2	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 <sub>2</sub> nanosheets incorporated with Au nanoparticles. Chemosphere, 2022, 288, 132531.	8.2	39
3	Enhanced electrocatalytic reduction activity of Fe-MOF/Pt nanoparticles as a sensitive sensor for ultra-trace determination of Tinidazole. Microchemical Journal, 2022, 172, 106976.	4.5	21
4	Ni <sub>3</sub> S <sub>2</sub> nanosheets decorated on NiCo <sub>2</sub> O <sub>4</sub> flakes-arrays directional growth of Ni foam for enhanced electrochemical hydrogen generation. Journal of Electroanalytical Chemistry, 2022, 908, 116110.	3.8	4
5	Electrochemical Synthesis of Tungstate Bimetallic Nanoparticles with Application in Electrocatalytic Determination of Paracetamol. ChemistrySelect, 2022, 7, .	1.5	3
6	A novel ZIF-8@ZIF-67/Au core-shell metal organic framework nanocomposite as a highly sensitive electrochemical sensor for nitrite determination. Electrochimica Acta, 2022, 417, 140278.	5.2	15
7	Sensitive sensing platform based on NiO and NiO-Ni nanoparticles for electrochemical determination of Metronidazole. Chemical Physics, 2022, 560, 111590.	1.9	8
8	Facile synthesis of TiO <sub>2</sub> @PANI@Au nanocomposite as an electrochemical sensor for determination of hydrazine. Microchemical Journal, 2021, 160, 105603.	4.5	62
9	Enhanced activity for non-enzymatic glucose biosensor by facile electro-deposition of cauliflower-like NiWO <sub>4</sub> nanostructures. Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 301-308.	5.3	19
10	A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of Haemophilus Influenzae in human plasma samples. Mikrochimica Acta, 2021, 188, 100.	5.0	57
11	ZnFe <sub>2</sub> O <sub>4</sub> @ZnFe <sub>2</sub> S <sub>4</sub> core-shell nanosheet on Ni foam as efficient and novel electrocatalyst for oxygen generation. International Journal of Hydrogen Energy, 2021, 46, 26940-26949.	7.1	9
12	Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFe <sub>2</sub> O <sub>4</sub> @CdSeQD magnetic nanocomposite and rifampicin mediator. Analytical and Bioanalytical Chemistry, 2020, 412, 5053-5065.	3.7	23
13	Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol. Journal of Electroanalytical Chemistry, 2020, 856, 113672.	3.8	32
14	±-Fe <sub>2</sub> O <sub>3</sub> @MoS <sub>2</sub> nanostructure as an efficient electrochemical catalyst for water oxidation. Microchemical Journal, 2020, 157, 104939.	4.5	11
15	Cauliflower-like NiCo <sub>2</sub> O <sub>4</sub> @Zn/Al Layered Double Hydroxide Nanocomposite as an Efficient Electrochemical Sensing Platform for Selective Pyridoxine Detection. Electroanalysis, 2020, 32, 1160-1169.	2.9	22
16	Preparation of A Magnetic Nanosensor Based on Cobalt Ferrite Nanoparticles for The Electrochemical Determination of Methyldopa in The Presence of Uric Acid. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 1023-1031.	1.1	3
17	Facile synthesis of ZnTe/Quinhydrone nanocomposite as a promising catalyst for electro-oxidation of ethanol in alkaline medium. International Journal of Hydrogen Energy, 2019, 44, 22085-22097.	7.1	13
18	A highly active oxygen evolution electrocatalyst: Ni-Fe-layered double hydroxide intercalated with the Molybdate and Vanadate anions. International Journal of Hydrogen Energy, 2019, 44, 14842-14852.	7.1	52

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19	High quantum efficiency of photocatalytic water oxidation over the TiO <sub>2</sub> /MMO nanocomposite under visible-light irradiation. <i>Journal of Molecular Liquids</i> , 2019, 288, 111035.	4.9	9
20	Layered double hydroxide nanoparticles embedded in a biopolymer: a novel platform for electroanalytical determination of diazepam. <i>New Journal of Chemistry</i> , 2019, 43, 7463-7470.	2.8	7
21	Preparation of GCE modified with ZnO@CoFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles and its application in electrocatalytic determination of Acetaminophen. <i>Micro and Nano Letters</i> , 2019, 14, 1397-1401.	1.3	3
22	Application of Glassy Carbon Electrode Modified with Gold-Copper Nanoparticles as Novel Electrochemical Sensor for Determination of Metronidazole. <i>Sensor Letters</i> , 2019, 17, 399-404.	0.4	8
23	Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2018, 1011, 28-34.	5.4	61
24	Zn-Fe-layered double hydroxide intercalated with vanadate and molybdate anions for electrocatalytic water oxidation. <i>New Journal of Chemistry</i> , 2018, 42, 2889-2895.	2.8	81
25	Layered double hydroxide decorated with Ag nanodendrites as an enhanced sensing platform for voltammetric determination of pyrazinamide. <i>New Journal of Chemistry</i> , 2018, 42, 2140-2148.	2.8	12
26	Liquid Crystalline Nanomaterials Extracted from Egg Yolk: Encapsulation and Characterization of Their Electro-Optical Activity as Potential Materials for Flexible LCD Displays. <i>Journal of Electronic Materials</i> , 2018, 47, 7143-7150.	2.2	2
27	Amperometric sensor based on carbon dots decorated self-assembled 3D flower-like Ni(OH) <sub>2</sub> nanosheet arrays for the determination of nitrite. <i>Electrochimica Acta</i> , 2018, 291, 132-141.	5.2	33
28	A novel voltammetric sensor for mercury(II) based on mercaptocarboxylic acid intercalated layered double hydroxide nanoparticles modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 961-968.	7.8	33
29	Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. <i>Electrochimica Acta</i> , 2017, 246, 303-314.	5.2	85
30	Electrochemical synthesis of nickel-cobalt oxide nanoparticles on the glassy carbon electrode and its application for the voltammetric determination of 4-nitrophenol. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2229-2238.	2.2	13
31	Novel electrochemical biosensor based on PVP capped CoFe <sub>2</sub> O <sub>4</sub> @CdSe core-shell nanoparticles modified electrode for ultra-trace level determination of rifampicin by square wave adsorptive stripping voltammetry. <i>Biosensors and Bioelectronics</i> , 2017, 92, 509-516.	10.1	70
32	Nanostructured Hexacyanoferrate Intercalated Ni/Al Layered Double Hydroxide Modified Electrode as a Sensitive Electrochemical Sensor for Paracetamol Determination. <i>Electroanalysis</i> , 2017, 29, 635-642.	2.9	28
33	A novel and facile synthesis of TGA-capped CdSe@Ag <sub>2</sub> Se core-shell quantum dots as a new substrate for high sensitive and selective methyl dopa sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 387-399.	7.8	28
34	Second-order advantage in determining Co (II) in real samples using kinetic-spectrophotometric data matrices and multivariate curve resolution-alternating least square approach. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 679-687.	2.2	6
35	Evaluation of physicochemical properties and in vivo efficiency of atorvastatin calcium/ezetimibe solid dispersions. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 82, 21-30.	4.0	32
36	Second order advantage obtained by spectroelectrochemistry along with novel carbon nanotube modified mesh electrode: Application for determination of acetaminophen in Novafen samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 674-680.	3.9	15

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37	Electrochemical synthesis of Fe/Al-layered double hydroxide on a glassy carbon electrode: application for electrocatalytic reduction of isoniazid. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 29-36.	2.2	5
38	A Simple and Cheap Method for Microchip Capillary Electrophoresis Construction. <i>Sensor Letters</i> , 2016, 14, 938-942.	0.4	2
39	Application of Multivariate Calibration Methods, in Dissolution Testing and Simultaneous Determination of Atorvastatin and Ezetimibe in Their Combined Solid Dosage Form. <i>Pharmaceutical Sciences</i> , 2016, 22, 105-111.	0.8	4
40	Simultaneous Spectrophotometric Determination of Rifampicin, Isoniazid and Pyrazinamide in a Single Step. <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 713-723.	0.5	6
41	Simultaneous Spectrophotometric Determination of Sunset Yellow and Quinoline Yellow in a Single Step. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 772-779.	1.4	14
42	Electroactive Nanofibers of Poly (2-hydroxyethyl methacrylate-graft-aniline) Copolymers and Their Blends with Polycaprolactone. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 21-32.	1.9	4
43	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.	2.6	20
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.	7.3	23
45	Experimental Design for the Optimization of the Synthesis Conditions of Zn-Al-Layered Double Hydroxides Nanoparticles Based on X-ray Diffraction Data. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 608, 177-189.	0.9	4
46	Preparation and characterization of cetirizine intercalated layered double hydroxide and chitosan nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 168-175.	5.3	25
47	Biodegradation of Para Amino Acetanilide by <i>Halomonas</i> sp. TBZ3. <i>Jundishapur Journal of Microbiology</i> , 2015, 8, e18622.	0.5	4
48	Generalized Net Analyte Signal Standard Addition as a Novel Method for Simultaneous Determination: Application in Spectrophotometric Determination of Some Pesticides. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 252-258.	1.5	5
49	Bismuth and Bismuth-Chitosan modified electrodes for determination of two synthetic food colorants by net analyte signal standard addition method. <i>Open Chemistry</i> , 2014, 12, 711-718.	1.9	13
50	Preparation of Electrospun Fibers of Polyethylene Glycol Monomethyl Ether-Co-Polyaniline Blended with Polycaprolactone: Effect of Low Molecular Weight Copolymer on Obtained Fibers. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 254-261.	1.9	6
51	Electrochemical synthesis of nickel-iron layered double hydroxide: Application as a novel modified electrode in electrocatalytic reduction of metronidazole. <i>Materials Science and Engineering C</i> , 2014, 35, 179-184.	7.3	59
52	Simultaneous standard addition method for novel determination of components in a single step: application in analysis of Sunset yellow and Carmoisine by a spectrophotometric technique. <i>Analytical Methods</i> , 2014, 6, 6110.	2.7	9
53	Analysis of variation matrix array by bilinear least squares-residual bilinearization (BLLS-RBL) for resolving and quantifying of foodstuff dyes in a candy sample. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 273-281.	3.9	9
54	Electrocatalytic Reduction of Metronidazole on Bismuth Modified Pencil-Lead Electrode. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1253-1259.	1.4	3

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55	Solubility and dissolution rate of a carbamazepine-cinnamic acid cocrystal. <i>Journal of Molecular Liquids</i> , 2013, 187, 171-176.	4.9	48
56	Resolving of Voltammetric Data for the Ni-Glycine and Cu-Glycine Complexation Systems with Reversible and Irreversible Electrochemical Response Using MCR-ALS. <i>Journal of Solution Chemistry</i> , 2012, 41, 1299-1310.	1.2	4
57	Simultaneous polarographic determination of 2-nitrophenol and 4-nitrophenol by differential pulse polarography method and support vector regression. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1089-1096.	2.7	14
58	Comparison of Different 2D and 3D-QSAR Methods on Activity Prediction of Histamine H3 Receptor Antagonists. <i>Iranian Journal of Pharmaceutical Research</i> , 2012, 11, 97-108.	0.5	13
59	Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure. <i>Analytical Methods</i> , 2011, 3, 646.	2.7	19
60	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.	1.4	4
61	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.	1.4	27
62	Bismuth Modified Disposable Pencil-Lead Electrode for Simultaneous Determination of 2-Nitrophenol and 4-Nitrophenol by Net Analyte Signal Standard Addition Method. <i>Electroanalysis</i> , 2011, 23, 2241-2247.	2.9	52
63	Carbon ceramic electrode incorporated with zeolite ZSM-5 for determination of Piroxicam. <i>Open Chemistry</i> , 2010, 8, 155-162.	1.9	10
64	Sensing L-cysteine in urine using a pencil graphite electrode modified with a copper hexacyanoferrate nanostructure. <i>Mikrochimica Acta</i> , 2010, 169, 283-288.	5.0	49
65	Nanobiocomposite Modified Carbon-Ceramic Electrode Based on Nano-TiO <sub>2</sub> -Plant Tissue and Its Application for Electrocatalytic Oxidation of Dopamine. <i>Electroanalysis</i> , 2010, 22, 1772-1780.	2.9	13
66	Net analyte signal standard addition method (NASSAM) as a novel spectrofluorimetric and spectrophotometric technique for simultaneous determination, application to assay of melatonin and pyridoxine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 589-597.	3.9	41
67	Simultaneous polarographic determination of isoniazid and rifampicin by differential pulse polarography method and support vector regression. <i>Electrochimica Acta</i> , 2010, 55, 6570-6576.	5.2	27
68	Simultaneous Determination of Antazoline and Naphazoline by the Net Analyte Signal Standard Addition Method and Spectrophotometric Technique. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1995-2001.	1.5	8
69	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.	1.4	15
70	Multivariate curve resolution of voltammetric data for Ni-tartrate complexation system with both labile and inert behaviour. <i>Analytical Methods</i> , 2010, 2, 1969.	2.7	5
71	Simultaneous determination of antazoline and naphazoline by the net analyte signal standard addition method and spectrophotometric technique. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1995-2001.	1.5	3
72	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.	1.5	12

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73	Simultaneous Spectrophotometric Determination of Benzoic Acid, Sorbic Acid, and Ascorbic Acid Using a Net Analyte Signal-Based Method. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1807-1814.	1.5	8
74	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.	0.8	7
75	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.	1.9	9
76	Modeling GC-ECD retention times of pentafluorobenzyl derivatives of phenol by using artificial neural networks. <i>Journal of Separation Science</i> , 2008, 31, 3788-3795.	2.5	9
77	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.	1.4	9
78	Study of acid orange 7 removal from aqueous solutions by powdered activated carbon and modeling of experimental results by artificial neural network. <i>Desalination</i> , 2007, 211, 87-95.	8.2	89
79	Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007, 52, 6248-6253.	5.2	74
80	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.	3.8	104
81	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.	1.4	14
82	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
83	Simultaneous spectrofluorimetric and spectrophotometric determination of melatonin and pyridoxine in pharmaceutical preparations by multivariate calibration methods. <i>Il Farmaco</i> , 2005, 60, 451-458.	0.9	30
84	Genetic Algorithm Based Potential Selection in Simultaneous Voltammetric Determination of Isoniazid and Hydrazine by Using Partial Least Squares (PLS) and Artificial Neural Networks (ANNs). <i>Electroanalysis</i> , 2005, 17, 915-918.	2.9	29
85	Modeling drug solubility in water-cosolvent mixtures using an artificial neural network. <i>Il Farmaco</i> , 2004, 59, 505-512.	0.9	18
86	Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs). <i>Fluid Phase Equilibria</i> , 2004, 225, 133-139.	2.5	10