# Karim Asadpour-Zeynali

List of Publications by Year
in descending order



| 86 | 1,961 | 218677 | 289244 |
|---|---|---|---|
| papers | citations | 26 h-index | 40 g-index |

| 86 | 86 | 86 | 2282 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode. Journal of Electroanalytical Chemistry, 2006, 589, 32-37. | 3.8 | 104 |
| 2 | Study of acid orange 7 removal from aqueous solutions by powdered activated carbon and modeling of experimental results by artificial neural network. Desalination, 2007, 211, 87-95. | 8.2 | 89 |
| 3 | Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. Electrochimica Acta, 2017, 246, 303-314. | 5.2 | 85 |
| 4 | Znâ€“Fe-layered double hydroxide intercalated with vanadate and molybdate anions for electrocatalytic water oxidation. New Journal of Chemistry, 2018, 42, 2889-2895. | 2.8 | 81 |
| 5 | Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. Electrochimica Acta, 2007, 52, 6248-6253. | 5.2 | 74 |
| 6 | Novel electrochemical biosensor based on PVP capped CoFe 2 O 4 @CdSe core-shell nanoparticles modified electrode for ultra-trace level determination of rifampicin by square wave adsorptive stripping voltammetry. Biosensors and Bioelectronics, 2017, 92, 509-516. | 10.1 | 70 |
| 7 | Facile synthesis of TiO2@PANI@Au nanocomposite as an electrochemical sensor for determination of hydrazine. Microchemical Journal, 2021, 160, 105603. | 4.5 | 62 |
| 8 | Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes. Analytica Chimica Acta, 2018, 1011, 28-34. | 5.4 | 61 |
| 9 | Electrochemical synthesis of nickelâ€“iron layered double hydroxide: Application as a novel modified electrode in electrocatalytic reduction of metronidazole. Materials Science and Engineering C, 2014, 35, 179-184. | 7.3 | 59 |
| 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 | Bismuth Modified Disposable Pencilâ€Lead Electrode for Simultaneous Determination of 2â€Nitrophenol and 4â€Nitrophenol by Net Analyte Signal Standard Addition Method. Electroanalysis, 2011, 23, 2241-2247. | 2.9 | 52 |
| 12 | 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 |
| 13 | Sensing L-cysteine in urine using a pencil graphite electrode modified with a copper hexacyanoferrate nanostructure. Mikrochimica Acta, 2010, 169, 283-288. | 5.0 | 49 |
| 14 | Solubility and dissolution rate of a carbamazepineâ€“cinnamic acid cocrystal. Journal of Molecular Liquids, 2013, 187, 171-176. | 4.9 | 48 |
| 15 | Bimetallic Fe/Mn MOFs/MÎ²CD/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 |
| 16 | Net analyte signal standard addition method (NASSAM) as a novel spectrofluorimetric and spectrophotometric technique for simultaneous determination, application to assay of melatonin and pyridoxine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 589-597. | 3.9 | 41 |
| 17 | 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 MoS2 nanosheets incorporated with Au nanoparticles. Chemosphere, 2022, 288, 132531. | 8.2 | 39 |
| 18 | A novel voltammetric sensor for mercury(II) based on mercaptocarboxylic acid intercalated layered double hydroxide nanoparticles modified electrode. Sensors and Actuators B: Chemical, 2017, 246, 961-968. | 7.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Amperometric sensor based on carbon dots decorated self-assembled 3D flower-like Î²-Ni(OH)2 nanosheet arrays for the determination of nitrite. Electrochimica Acta, 2018, 291, 132-141. | 5.2 | 33 |
| 20 | Evaluation of physicochemical properties and in vivo efficiency of atorvastatin calcium/ezetimibe solid dispersions. European Journal of Pharmaceutical Sciences, 2016, 82, 21-30. | 4.0 | 32 |
| 21 | 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 |
| 22 | Simultaneous spectrofluorimetric and spectrophotometric determination of melatonin and pyridoxine in pharmaceutical preparations by multivariate calibration methods. Il Farmaco, 2005, 60, 451-458. | 0.9 | 30 |
| 23 | Genetic Algorithm Based Potential Selection in Simultaneous Voltammetric Determination of Isoniazid and Hydrazine by Using Partial Least Squares (PLS) and Artificial Neural Networks (ANNs). Electroanalysis, 2005, 17, 915-918. | 2.9 | 29 |
| 24 | A novel and facile synthesis of TGA-capped CdSe@Ag2Se core-shell quantum dots as a new substrate for high sensitive and selective methyldopa sensor. Sensors and Actuators B: Chemical, 2016, 237, 387-399. | 7.8 | 28 |
| 25 | Nanostructured Hexacyanoferrate Intercalated Ni/Al Layered Double Hydroxide Modified Electrode as a Sensitive Electrochemical Sensor for Paracetamol Determination. Electroanalysis, 2017, 29, 635-642. | 2.9 | 28 |
| 26 | Simultaneous polarographic determination of isoniazid and rifampicin by differential pulse polarography method and support vector regression. Electrochimica Acta, 2010, 55, 6570-6576. | 5.2 | 27 |
| 27 | Determination of Imidacloprid in Tomato Grown in Greenhouse Based on Copper(II) Phthalocyanine Modified Carbon Ceramic Electrode by Differential Pulse Voltammetry. Journal of the Chinese Chemical Society, 2011, 58, 207-214. | 1.4 | 27 |
| 28 | Preparation and characterization of cetirizine intercalated layered double hydroxide and chitosan nanocomposites. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 168-175. | 5.3 | 25 |
| 29 | Synthesis of dendritic silver nanostructures supported by graphene nanosheets and its application for highly sensitive detection of diazepam. Materials Science and Engineering C, 2015, 57, 257-264. | 7.3 | 23 |
| 30 | Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFe2O4@CdSeQD magnetic nanocomposite and rifampicin mediator. Analytical and Bioanalytical Chemistry, 2020, 412, 5053-5065. | 3.7 | 23 |
| 31 | Cauliflowerâ€like NiCo<sub>2</sub>O<sub>4</sub>â^Zn/Al Layered Double Hydroxide Nanocomposite as an Efficient Electrochemical Sensing Platform for Selective Pyridoxine Detection. Electroanalysis, 2020, 32, 1160-1169. | 2.9 | 22 |
| 32 | 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 |
| 33 | Electrochemical Determination of Bromate in Different Types of Flour and Bread by a Sensitive Amperometric Sensor Based on Palladium Nanoparticles/Graphene Oxide Nanosheets. Food Analytical Methods, 2015, 8, 2011-2019. | 2.6 | 20 |
| 34 | Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure. Analytical Methods, 2011, 3, 646. | 2.7 | 19 |
| 35 | Enhanced activity for non-enzymatic glucose biosensor by facile electro-deposition of cauliflower-like NiWO4 nanostructures. Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 301-308. | 5.3 | 19 |
| 36 | Modeling drug solubility in waterâ€“cosolvent mixtures using an artificial neural network. Il Farmaco, 2004, 59, 505-512. | 0.9 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Electrochemical Characteristics of a Copper Hexacyanoferrate (CuHCNF) Modified Composite Carbon Electrode and Its Application toward Sulfite Oxidation. Journal of the Chinese Chemical Society, 2010, 57, 391-398. | 1.4 | 15 |
| 38 | Second order advantage obtained by spectroelectrochemistry along with novel carbon nanotube modified mesh electrode: Application for determination of acetaminophen in Novafen samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 674-680. | 3.9 | 15 |
| 39 | A novel ZIF-8@ZIF-67/Au coreâ€“shell metal organic framework nanocomposite as a highly sensitive electrochemical sensor for nitrite determination. Electrochimica Acta, 2022, 417, 140278. | 5.2 | 15 |
| 40 | Resolution of Differential Pulse Voltammetric Peaks Using Genetic Algorithm Based Variable Selection-Partial Least Squares and Principal Component-Artificial Neural Networks. Journal of the Chinese Chemical Society, 2005, 52, 21-28. | 1.4 | 14 |
| 41 | Simultaneous polarographic determination of 2-nitrophenol and 4-nitrophenol by differential pulse polarography method and support vector regression. Environmental Monitoring and Assessment, 2012, 184, 1089-1096. | 2.7 | 14 |
| 42 | Simultaneous Spectrophotometric Determination of Sunset Yellow and Quinoline Yellow in a Single Step. Journal of the Chinese Chemical Society, 2015, 62, 772-779. | 1.4 | 14 |
| 43 | Nanobiocomposite Modified Carbonâ€Ceramic Electrode Based on Nanoâ€TiO‹sub›2‹/sub›â€Plant Tissue and Its Application for Electrocatalytic Oxidation of Dopamine. Electroanalysis, 2010, 22, 1772-1780. | 2.9 | 13 |
| 44 | Bismuth and Bismuth-Chitosan modified electrodes for determination of two synthetic food colorants by net analyte signal standard addition method. Open Chemistry, 2014, 12, 711-718. | 1.9 | 13 |
| 45 | Electrochemical synthesis of nickelâ€“cobalt oxide nanoparticles on the glassy carbon electrode and its application for the voltammetric determination of 4-nitrophenol. Journal of the Iranian Chemical Society, 2017, 14, 2229-2238. | 2.2 | 13 |
| 46 | 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 |
| 47 | Comparison of Different 2D and 3D-QSAR Methods on Activity Prediction of Histamine H3 Receptor Antagonists. Iranian Journal of Pharmaceutical Research, 2012, 11, 97-108. | 0.5 | 13 |
| 48 | Determination of Fenitrothion in River Water and Commercial Formulations by Adsorptive Stripping Voltammetry with a Carbon Ceramic Electrode. Journal of AOAC INTERNATIONAL, 2009, 92, 548-554. | 1.5 | 12 |
| 49 | Layered double hydroxide decorated with Ag nanodendrites as an enhanced sensing platform for voltammetric determination of pyrazinamide. New Journal of Chemistry, 2018, 42, 2140-2148. | 2.8 | 12 |
| 50 | Î±-Fe2O3@MoS2 nanostructure as an efficient electrochemical catalyst for water oxidation. Microchemical Journal, 2020, 157, 104939. | 4.5 | 11 |
| 51 | Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs). Fluid Phase Equilibria, 2004, 225, 133-139. | 2.5 | 10 |
| 52 | Carbon ceramic electrode incorporated with zeolite ZSM-5 for determination of Piroxicam. Open Chemistry, 2010, 8, 155-162. | 1.9 | 10 |
| 53 | Modeling GCâ€ECD retention times of pentafluorobenzyl derivatives of phenol by using artificial neural networks. Journal of Separation Science, 2008, 31, 3788-3795. | 2.5 | 9 |
| 54 | Solâ€Gelâ€Derived Biosensor Based on Plant Tissue: The Inhibitory Effect of Atrazine on Polyphenol Oxidase Activity for Determination of Atrazine. Journal of the Chinese Chemical Society, 2008, 55, 522-528. | 1.4 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Amperometric Biosensor for Dopamine Determination Based on Over-Oxidized Polypyrrole-Plant Tissue Composite. International Journal of Polymer Analysis and Characterization, 2009, 14, 89-101. | 1.9 | 9 |
| 56 | 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. Analytical Methods, 2014, 6, 6110. | 2.7 | 9 |
| 57 | Analysis of variation matrix array by bilinear least squaresâ€“residual bilinearization (BLLSâ€“RBL) for resolving and quantifying of foodstuff dyes in a candy sample. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 273-281. | 3.9 | 9 |
| 58 | High quantum efficiency of photocatalytic water oxidation over the TiO2/MMO nanocomposite under visible-light irradiation. Journal of Molecular Liquids, 2019, 288, 111035. | 4.9 | 9 |
| 59 | ZnFe2O4@ZnFe2S4 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 |
| 60 | Simultaneous Spectrophotometric Determination of Benzoic Acid, Sorbic Acid, and Ascorbic Acid Using a Net Analyte Signal-Based Method. Journal of AOAC INTERNATIONAL, 2009, 92, 1807-1814. | 1.5 | 8 |
| 61 | Simultaneous Determination of Antazoline and Naphazoline by the Net Analyte Signal Standard Addition Method and Spectrophotometric Technique. Journal of AOAC INTERNATIONAL, 2010, 93, 1995-2001. | 1.5 | 8 |
| 62 | Application of Glassy Carbon Electrode Modified with Gold-Copper Nanoparticles as Novel Electrochemical Sensor for Determination of Metronidazole. Sensor Letters, 2019, 17, 399-404. | 0.4 | 8 |
| 63 | Sensitive sensing platform based on NiO and NiO-Ni nanoparticles for electrochemical determination of Metronidazole. Chemical Physics, 2022, 560, 111590. | 1.9 | 8 |
| 64 | Net analyte signal standard addition method for the simultaneous determination of cadmium and nickel. Journal of the Serbian Chemical Society, 2009, 74, 789-799. | 0.8 | 7 |
| 65 | Layered double hydroxide nanoparticles embedded in a biopolymer: a novel platform for electroanalytical determination of diazepam. New Journal of Chemistry, 2019, 43, 7463-7470. | 2.8 | 7 |
| 66 | Preparation of Electrospun Fibers of Polyethylene Glycol Monomethyl Ether-Co-Polyaniline Blended with Polycaprolactone: Effect of Low Molecular Weight Copolymer on Obtained Fibers. Polymer-Plastics Technology and Engineering, 2014, 53, 254-261. | 1.9 | 6 |
| 67 | Second-order advantage in determining Co (II) in real samples using kinetic-spectrophotometric data matrices and multivariate curve resolution-alternating least square approach. Journal of the Iranian Chemical Society, 2016, 13, 679-687. | 2.2 | 6 |
| 68 | Simultaneous Spectrophotometric Determination of Rifampicin, Isoniazid and Pyrazinamide in a Single Step. Iranian Journal of Pharmaceutical Research, 2016, 15, 713-723. | 0.5 | 6 |
| 69 | Modeling the electrophoretic mobility of beta-blockers in capillary electrophoresis using artificial neural networks. Il Farmaco, 2005, 60, 255-259. | 0.9 | 5 |
| 70 | Multivariate curve resolution of voltammetric data for Ni-tartarate complexation system with both labile and inert behaviour. Analytical Methods, 2010, 2, 1969. | 2.7 | 5 |
| 71 | Generalized Net Analyte Signal Standard Addition as a Novel Method for Simultaneous Determination: Application in Spectrophotometric Determination of Some Pesticides. Journal of AOAC INTERNATIONAL, 2014, 97, 252-258. | 1.5 | 5 |
| 72 | Electrochemical synthesis of Fe/Al-layered double hydroxide on a glassy carbon electrode: application for electrocatalytic reduction of isoniazid. Journal of the Iranian Chemical Society, 2016, 13, 29-36. | 2.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Application of Net Analyte Signal Standard Addition Method (NASSAM) for Simultaneous Determination of Lead and Tin by Differential Pulse Polarography. Journal of the Chinese Chemical Society, 2011, 58, 353-361. | 1.4 | 4 |
| 74 | Resolving of Voltammetric Data for the Niâ€“Glycine and Cuâ€“Glycine Complexation Systems with Reversible and Irreversible Electrochemical Response Using MCR-ALS. Journal of Solution Chemistry, 2012, 41, 1299-1310. | 1.2 | 4 |
| 75 | Electroactive Nanofibers of Poly (2-hydroxyethyl methacrylate-graft-aniline) Copolymers and Their Blends with Polycaprolactone. Polymer-Plastics Technology and Engineering, 2015, 54, 21-32. | 1.9 | 4 |
| 76 | Experimental Design for the Optimization of the Synthesis Conditions of Zn-Al-Layered Double Hydroxides Nanoparticles Based on X-ray Diffraction Data. Molecular Crystals and Liquid Crystals, 2015, 608, 177-189. | 0.9 | 4 |
| 77 | Application of Multivariate Calibration Methods, in Dissolution Testing and Simultaneous Determination of Atorvastatin and Ezetimibe in Their Combined Solid Dosage Form. Pharmaceutical Sciences, 2016, 22, 105-111. | 0.8 | 4 |
| 78 | Biodegradation of Para Amino Acetanilide by Halomonas sp. TBZ3. Jundishapur Journal of Microbiology, 2015, 8, e18622. | 0.5 | 4 |
| 79 | Ni3S2 nanosheets decorated on NiCo2O4 flakes-arrays directional growth of Ni foam for enhanced electrochemical hydrogen generation. Journal of Electroanalytical Chemistry, 2022, 908, 116110. | 3.8 | 4 |
| 80 | Electrocatalytic Reduction of Metronidazole on Bismuth Modified Pencilâ€lead Electrode. Journal of the Chinese Chemical Society, 2013, 60, 1253-1259. | 1.4 | 3 |
| 81 | Preparation of GCE modified with ZnO@CoFe<sub>2</sub>O<sub>4</sub>magnetic nanoparticles and its application in electrocatalytic determination of Acetaminophen. Micro and Nano Letters, 2019, 14, 1397-1401. | 1.3 | 3 |
| 82 | 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 |
| 83 | Electrochemical Synthesis of Tungstate Bimetallic Nanoparticles with Application in Electrocatalytic Determination of Paracetamol. ChemistrySelect, 2022, 7, . | 1.5 | 3 |
| 84 | Simultaneous determination of antazoline and naphazoline by the net analyte signal standard addition method and spectrophotometric technique. Journal of AOAC INTERNATIONAL, 2010, 93, 1995-2001. | 1.5 | 3 |
| 85 | Liquid Crystalline Nanomaterials Extracted from Egg Yolk: Encapsulation and Characterization of Their Electro-Optical Activity as Potential Materials for Flexible LCD Displays. Journal of Electronic Materials, 2018, 47, 7143-7150. | 2.2 | 2 |
| 86 | A Simple and Cheap Method for Microchip Capillary Electrophoresis Construction. Sensor Letters, 2016, 14, 938-942. | 0.4 | 2 |