Ali Mohammadi

List of Publications by Year
in descending order

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82 papers	1,725 citations	257101 24 h-index	315357 38 g-index
82 all docs	82 docs citations	82 times ranked	2012 citing authors

#	Article	IF	Citations
1	Simultaneous voltammetric determination of tramadol and acetaminophen using carbon nanoparticles modified glassy carbon electrode. Electrochimica Acta, 2010, 55, 2752-2759.	2.6	137
2	Molecularly imprinted polymer based potentiometric sensor for the determination of hydroxyzine in tablets and biological fluids. Analytica Chimica Acta, 2008, 612, 65-74.	2.6	120
3	A Biomimetic Potentiometric Sensor Using Molecularly Imprinted Polymer for the Cetirizine Assay in Tablets and Biological Fluids. Electroanalysis, 2008, 20, 2023-2030.	1.5	69
4	Paclitaxel molecularly imprinted polymer-PEG-folate nanoparticles for targeting anticancer delivery: Characterization and cellular cytotoxicity. Materials Science and Engineering C, 2016, 62, 626-633.	3.8	69
5	Amoxicillin Removal from Aqueous Media Using Multi-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 165-169.	1.0	63
6	Synthesis of new molecularly imprinted polymer via reversible addition fragmentation transfer polymerization as a drug delivery system. Polymer, 2018, 143, 245-257.	1.8	60
7	Microwave-assisted polyol synthesis and characterization of pvp-capped cds nanoparticles for the photocatalytic degradation of tartrazine. Materials Research Bulletin, 2016, 74, 387-396.	2.7	53
8	Dipyridamole recognition and controlled release by uniformly sized molecularly imprinted nanospheres. Materials Science and Engineering C, 2011, 31, 1692-1699.	3.8	50
9	Development of a stabilityâ€indicating CE assay for the determination of amlodipine enantiomers in commercial tablets. Electrophoresis, 2008, 29, 4583-4592.	1.3	48
10	Novel Method for the Fast Determination of Ultra Trace Amount of Nortriptyline in its Pharmaceutical Formulations by Fast Fourier Transform Continuous Cyclic Voltammetric Technique at Au Microelectrode in Flowing Solutions. Journal of Pharmaceutical Sciences, 2007, 96, 893-904.	1.6	46
11	Molecular Recognition Ability of Molecularly Imprinted Polymer Nano- and Micro-Particles by Reversible Addition-Fragmentation Chain Transfer Polymerization. Polymer Reviews, 2016, 56, 557-583.	5.3	43
12	Synthesis and characterization of ZnO nanoparticle synthesized by a microwave-assisted combustion method and catalytic activity for the removal of ortho-nitrophenol. Desalination and Water Treatment, 2015, 54, 1939-1948.	1.0	41
13	Specific targeting delivery to MUC1 overexpressing tumors by albumin-chitosan nanoparticles conjugated to DNA aptamer. International Journal of Pharmaceutics, 2016, 515, 607-615.	2.6	40
14	Integration of nickel doping with loading on graphene for enhanced adsorptive and catalytic properties of CdS nanoparticles towards visible light degradation of some antibiotics. Journal of Hazardous Materials, 2016, 320, 304-314.	6.5	38
15	Electromembrane extraction of tartrazine from food samples: Effects of nanoâ€sorbents on membrane performance. Journal of Separation Science, 2016, 39, 2642-2651.	1.3	37
16	Electromembrane extraction of gonadotropinâ€releasing hormone agonists from plasma and wastewater samples. Electrophoresis, 2016, 37, 826-833.	1.3	37
17	Synthesis of nickel oxides nanoparticles on glassy carbon as an electron transfer facilitator for horseradish peroxidase: Direct electron transfer and H2O2 determination. Materials Science and Engineering C, 2009, 29, 1752-1758.	3.8	34
18	Electrochemical determination of naltrexone on the surface of glassy carbon electrode modified with Nafion-doped carbon nanoparticles: Application to determinations in pharmaceutical and clinical preparations. Journal of Electroanalytical Chemistry, 2010, 638, 212-217.	1.9	34

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19	Enhanced photodegradation of hazardous tartrazine by composite of nanomolecularly imprinted polymer-nanophotocatalyst with high efficiency. Desalination and Water Treatment, 2016, 57, 3142-3151.	1.0	33
20	Molecularly Imprinted Polymers for Selective Solid-Phase Extraction of Verapamil from Biological Fluids and Human Urine. Current Pharmaceutical Analysis, 2009, 5, 269-276.	0.3	31
21	The determination of acetaminophen using a carbon nanotube:graphite-based electrode. Mikrochimica Acta, 2010, 171, 377-384.	2.5	31
22	Development of fast Fourier transformation continuous cyclic voltammetry as a highly sensitive detection system for ultra trace monitoring of penicillin V. Analytical Biochemistry, 2007, 360, 175-181.	1.1	29
23	Electroâ€oxidation and simultaneous determination of amlodipine and atorvastatin in commercial tablets using carbon nanotube modified electrode. Micro and Nano Letters, 2013, 8, 413-417.	0.6	28
24	Electrochemical determinations of 6-mercaptopurine on the surface of a carbon nanotube-paste electrode modified with a cobalt salophen complex. Journal of Solid State Electrochemistry, 2012, 16, 1643-1650.	1.2	27
25	Shape-controlled ZnO nanocrystals synthesized via auto combustion method and enhancement of the visible light catalytic activity by decoration on graphene. Journal of Alloys and Compounds, 2017, 703, 396-406.	2.8	26
26	Photocatalytic removal of doxycycline from aqueous solution using ZnO nano-particles: a comparison between UV-C and visible light. Water Science and Technology, 2016, 74, 1658-1670.	1.2	24
27	Enhanced photocatalytic degradation of doxycycline using a magnetic polymer-ZnO composite. Water Science and Technology, 2018, 2017, 791-801.	1.2	21
28	Stability evaluation of tramadol enantiomers using a chiral stabilityâ€indicating capillary electrophoresis method and its application to pharmaceutical analysis. Journal of Separation Science, 2011, 34, 1613-1620.	1.3	20
29	Photocatalytic removal of two antibiotic compounds from aqueous solutions using ZnO nanoparticles. Desalination and Water Treatment, 2016, 57, 14774-14784.	1.0	19
30	A norepinephrine biosensor based on a glassy carbon electrode modified with carbon nanotubes. Analytical Methods, 2011, 3, 2406.	1.3	17
31	Immunoreaction-triggered diagnostic device using reduced graphene oxide/CuO NPs/chitosan ternary nanocomposite, toward enhanced electrochemical detection of albumin. Journal of Electroanalytical Chemistry, 2020, 877, 114642.	1.9	17
32	Electrochemical quantification of fluoxetine in pharmaceutical formulation using carbon nanoparticles. Micro and Nano Letters, 2013, 8, 853-857.	0.6	16
33	Application of Maltodextrin as Chiral Selector in Capillary Electrophoresis for Quantification of Amlodipine Enantiomers in Commercial Tablets. Chirality, 2014, 26, 394-399.	1.3	16
34	PVCâ€Based on Thiopyrilium Derivatives Membrane Electrodes for Determination of Histamine. Journal of the Chinese Chemical Society, 2007, 54, 1495-1504.	0.8	15
35	An Electrodiffusion Model Coupled with Fluid-Flow Effects for an On-Chip Electromembrane Extraction System. Transport in Porous Media, 2022, 142, 317-331.	1.2	15
36	Quantitation of zolpidem in biological fluids by electro-driven microextraction combined with HPLC-UV analysis. EXCLI Journal, 2018, 17, 349-361.	0.5	15

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37	Development and Validation of a Stability-Indicating Method for the Quantitation of Paclitaxel in Pharmaceutical Dosage Forms. Journal of Chromatographic Science, 2009, 47, 599-604.	0.7	14
38	Electromembrane extraction of phenytoin from biological fluids: A survey on the effects of molecularly imprinted polymer and carbon nanotubes on extraction efficiency. Microchemical Journal, 2020, 156, 104800.	2.3	14
39	Direct electron transfer of ferritin on electrodeposited nickel oxide cubic nanoparticles. Analytical Methods, 2012, 4, 1024.	1.3	12
40	Preparation of a new nanoparticle Cd(II)-imprinted polymer and its application for selective separation of cadmium(II) ions from aqueous solutions and determination via inductively coupled plasma optical emission spectrometry. Desalination and Water Treatment, 2016, 57, 14280-14289.	1.0	12
41	An electromembrane extractionâ€“HPLCâ€UV analysis for the determination of valproic acid in human plasma. Journal of the Chinese Chemical Society, 2018, 65, 989-994.	0.8	12
42	A computational simulation of electromembrane extraction based on Poisson - Nernst - Planck equations. Analytica Chimica Acta, 2021, 1158, 338414.	2.6	12
43	Investigation of the effective factors on the mutagen X formation in drinking water by response surface methodology. Journal of Environmental Management, 2019, 251, 109515.	3.8	11
44	Electromembrane extractionâ€highâ€performance liquid chromatographyâ€ultraviolet detection of phenobarbital and phenytoin in human plasma, saliva, and urine. Journal of the Chinese Chemical Society, 2021, 68, 1522-1530.	0.8	11
45	Chemical Composition and Repellent Activity of Achillea vermiculata and Satureja hortensis against Anopheles stephensi. Journal of Arthropod-Borne Diseases, 2016, 10, 201-10.	0.9	11
46	Synthesis of a new ion-imprinted polymer and its characterization for the selective extraction and determination of nickel ions in aqueous solutions. Desalination and Water Treatment, 2015, 56, 2135-2144.	1.0	10
47	Application of cobalt oxide nanoparticles as an electron transfer facilitator in direct electron transfer and biocatalytic reactivity of cytochrome c. Journal of Applied Electrochemistry, 2011, 41, 115-121.	1.5	9
48	Green synthesis and application of nanomagnetic molecularly imprinted polymerfor fast solid-phase extraction of brilliant blue FCF from real samples. Journal of Polymer Research, 2019, 26, 1.	1.2	9
49	Construction of a ternary nano-architecture based graphene oxide sheets, toward electrocatalytic determination of tumor-associated anti-p53 autoantibodies in human serum. Talanta, 2021, 230, 122276.	2.9	9
50	Electrochemical synthesis and characterization of solid-phase microextraction fibers using conductive polymers: application in extraction of benzaldehyde from aqueous solution. Journal of Solid State Electrochemistry, 2014, 18, 1763-1771.	1.2	8
51	Partially decomposed PVP as a surface modification of ZnO, CdO, ZnS and CdS nanostructures for enhanced stability and catalytic activity towards sulphamethoxazole degradation. Bulletin of Materials Science, 2017, 40, 513-522.	0.8	8
52	Construction of a TiO 2 â€“Fe 3 O 4 â€decorated molecularly imprinted polymer nanocomposite for tartrazine degradation: Response surface methodology modeling and optimization. Journal of the Chinese Chemical Society, 2019, 66, 474-483.	0.8	8
53	Morphology selective construction of Î²-cyclodextrin functionalized Fe3O4-Bi2WO6 nanocomposite with superior adsorptivity and visible-light-driven catalytic activity. Frontiers of Chemical Science and Engineering, 2020, 14, 561-578.	2.3	8
54	Simultaneous Determination of 2-Nitrophenol and 4-Nitrophenol in Pharmaceutical Industrial Wastewater by Electromembrane Extraction Coupled with HPLC-UV Analysis. Pharmaceutical Sciences, 2019, 25, 57-64.	0.1	8

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55	Development and validation of a stability-indicating reversed phase HPLC method for the quality control of Zolpidem in bulk and tablet dosage forms. Journal of Analytical Chemistry, 2015, 70, 738-743.	0.4	7
56	Application of polyanilineâ€“multiwalled carbon nanotubes composite fiber for determination of benzaldehyde in injectable pharmaceutical formulations by solid-phase microextraction GCâ€“FID using experimental design. Journal of Analytical Chemistry, 2017, 72, 264-271.	0.4	7
57	Synthesis and characterization of novel water-compatible magnetic molecularly imprinted polymer for tartrazine. Journal of the Chinese Advanced Materials Society, 2018, 6, 706-721.	0.7	7
58	Development and Validation of a Stability-Indicating RP-HPLC Method for Rapid Determination of Doxycycline in Pharmaceutical Bulk and Dosage Forms. Pharmaceutical Sciences, 2016, 22, 96-104.	0.8	7
59	Simultaneous Voltammetric Determination of Mefenamic Acid and Paracetamol using Graphene Nanosheets/Nickel Oxide Nanoparticles Modified Carbon Paste Electrode. Journal of Electrochemical Science and Technology, 2017, 8, 282-293.	0.9	7
60	Electroâ€oxidation of acetaminophen on nickel/poly(oâ€aminophenol)/multiâ€walled carbon nanotube nanocomposite modified graphite electrode. Micro and Nano Letters, 2014, 9, 691-696.	0.6	6
61	Electrochemical Derivatization of Acetaminophen for Indirect Determination of Eflornithine Using Î²â€CD Modified Glassy Carbon Electrode. Electroanalysis, 2019, 31, 1719-1727.	1.5	6
62	NiFe₂O₄ nanomagnets prepared through a microwave autocombustion route as an efficient recoverable adsorbent for 2-nitrophenol removal. Particulate Science and Technology, 2019, 37, 528-537.	1.1	6
63	Quantitative analysis of phenobarbital in biological fluids: Analyte enrichment by an electrically-assisted microextraction technique. Brazilian Journal of Pharmaceutical Sciences, 0, 56, .	1.2	6
64	Therapeutic roles of CAR T cells in infectious diseases: Clinical lessons learnt from cancer. Reviews in Medical Virology, 2022, 32, e2325.	3.9	6
65	EFFECT OF STRONTIUM DOPING ON NANOSTRUCTURE AND CHROMATICITY OF Y₂O₃:Eu COMPOUNDS. International Journal of Modern Physics B, 2011, 25, 2949-2956.	1.0	5
66	Synthesis and characterization of diethyl-dithiocarbamic acid 2-[4-(2-diethylthiocarbamoylsulfanyl-2-phenyl-acetyl)-2,5-dioxo-piperazin-1-yl]-2-oxo-1-phenyl-ethyl ester as new reversible addition-fragmentation chain transfer agent for polymerization of ethyl methacrylate. Designed Monomers and Polymers, 2016, 19, 56-66.	0.7	5
67	Development and Validation of a Stability-Indicating HPLC Method for the Determination of Acarbose in Pharmaceutical Dosage Forms. Journal of Analytical Chemistry, 2018, 73, 910-916.	0.4	5
68	A study on determination of theophylline in plasma and urine sample using electromembrane extraction combined with high-performance liquid chromatographyâ€“ultraviolet. Chemical Papers, 0, , 1.	1.0	5
69	A novel threeâ€dimensional printed device with conductive elements for electromembrane extraction combined with highâ€performance liquid chromatography and ultraviolet detector. Journal of Separation Science, 2022, 45, 3187-3196.	1.3	5
70	Electropolymerized Fluorinated Aniline-Based Fiber for Headspace Solid-Phase Microextraction and Gas Chromatographic Determination of Benzaldehyde in Injectable Pharmaceutical Formulations. Journal of Chromatographic Science, 2014, 52, 971-976.	0.7	4
71	Wild Rodents and Their Ectoparasites in an Enzootic Plague Focus, Western Iran. Vector-Borne and Zoonotic Diseases, 2020, 20, 334-347.	0.6	4
72	Voltammetric determination of paracetamol at NiO nanoparticles-modified carbon paste electrode in bulk and tablet dosage forms. Journal of Analytical Chemistry, 2017, 72, 783-792.	0.4	3

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73	Enhancement mitochondrial apoptosis in breast cancer cells by paclitaxel-triphenylphosphonium conjugate in DNA aptamer modified nanoparticles. Journal of Drug Delivery Science and Technology, 2019, 54, 101228.	1.4	3
74	Micronization and characterization of ultrafine pure and composite aspirin by CO2-expanded solution. Chemical Papers, 2021, 75, 99-113.	1.0	3
75	Electrochemical and scanning electron microscopic studies of the influence of anatase TiO2 nanoparticles on the electropolymerization of aniline. Mendeleev Communications, 2008, 18, 90-91.	0.6	2
76	A nanostructure ion-imprinted polymer for the selective separation and determination of copper ions in aqueous solutions. Desalination and Water Treatment, 0, , 1-10.	1.0	2
77	A survey on endoparasites in wild rodents ofÂthe Jaz Murian depression and adjacent areas, southeast of Iran. Journal of Parasitic Diseases, 2018, 42, 589-597.	0.4	2
78	Removal of mutagen X â€œMXâ€•from drinking water using reduced graphene oxide coated sand particles. Journal of Environmental Health Science & Engineering, 2019, 17, 827-837.	1.4	2
79	Electrochemical Sensing Platform Based on Graphene Oxideâ€chitosan for Simultaneous Determination of some Antihypertensive Drugs. Electroanalysis, 2023, 35, .	1.5	2
80	Preparation, optimization, and in-vitro evaluation of aspirin/PEG solid dispersions using subcritical CO2 by response surface methodology. Korean Journal of Chemical Engineering, 2020, 37, 2295-2306.	1.2	1
81	A simple, sensitive and rapid isocratic reversed-phase high-performance liquid chromatography method for determination and stability study of curcumin in pharmaceutical samples. Avicenna Journal of Phytomedicine, 2017, 7, 444-453.	0.1	1
82	Determination of Biological Activity of Recombinant Reteplase Using Clot Lysis Time and Activated Partial Thromboplastin Time (APTT) Lysis Methods: A Comparative Study. Iranian Journal of Pharmaceutical Research, 2018, 17, 1503-1508.	0.3	1