Fahimeh Jalali

List of Publications by Year
in descending order

61 papers	1,594 citations	257357 24 h-index	315616 38 g-index
61 all docs	61 docs citations	61 times ranked	1807 citing authors

#	Article	IF	Citations
1	Fluorometric Chemosensors. Interaction of Toxic Heavy Metal Ions PbII, CdII, and HgIIwith Novel Mixed-Donor Phenanthroline-Containing Macrocycles:Â Spectrofluorometric, Conductometric, and Crystallographic Studies. Inorganic Chemistry, 2002, 41, 6623-6632.	1.9	151
2	Electrochemical fabrication of a novel ZnO/cysteic acid nanocomposite modified electrode and its application to simultaneous determination of sunset yellow and tartrazine. Food Chemistry, 2017, 227, 73-77.	4.2	113
3	Conductance study of the thermodynamics of micellization of 1-hexadecylpyridinium bromide in (water + cosolvent). Journal of Chemical Thermodynamics, 2000, 32, 755-765.	1.0	75
4	Preparation of a diclofenac potentiometric sensor and its application to pharmaceutical analysis and to drug recovery from biological fluids. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 943-947.	1.4	67
5	A novel pyridine containing self-assembling system: synthesis, characterization, X-ray crystal structure, 13 C solid phase NMR and solution studies. Journal of Molecular Structure, 2002, 605, 133-149.	1.8	66
6	Carbon Nanodots in Electrochemical Sensors and Biosensors: A Review. ChemElectroChem, 2021, 8, 15-35.	1.7	64
7	Preparation of a Novel Iodide-Selective Electrode Based on Iodide-Miconazole Ion-Pair and Its Application to Pharmaceutical Analysis. Analytical Sciences, 2005, 21, 1533-1535.	0.8	56
8	Synthesis, characterization, and X-ray crystal structures of Co(II) and La(III) complexes of a pyridine containing self-assembling system and solution studies of the Co(II) complex. Canadian Journal of Chemistry, 2002, 80, 1687-1696.	0.6	55
9	Novel sensitive electrochemical sensor for simultaneous determination of epinephrine and uric acid by using a nanocomposite of MWCNTsâ€“chitosan and gold nanoparticles attached to thioglycolic acid. Sensors and Actuators B: Chemical, 2014, 200, 251-258.	4.0	53
10	Application of metal-organic framework as redox probe in an electrochemical aptasensor for sensitive detection of MUC1. Biosensors and Bioelectronics, 2019, 141, 111433.	5.3	49
11	Preparation of a cimetidine ion-selective electrode and its application to pharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 867-872.	1.4	42
12	Sensitive determination of atorvastatin in human plasma by dispersive liquidâ€“liquid microextraction and solidification of floating organic drop followed by highâ€performance liquid chromatography. Journal of Separation Science, 2015, 38, 309-315.	1.3	39
13	Interaction of anthelmintic drug (thiabendazole) with DNA: Spectroscopic and molecular modeling studies. Arabian Journal of Chemistry, 2017, 10, S3947-S3954.	2.3	37
14	Simultaneous determination of lâ€˜DOPA, lâ€˜tyrosine and uric acid by cysteic acid - modified glassy carbon electrode. Materials Science and Engineering C, 2019, 98, 496-502.	3.8	36
15	Electrospun nanostructured polystyrene as a new coating material for solid-phase microextraction: Application to separation of multipesticides from honey samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1002, 387-393.	1.2	33
16	Zinc oxide-gold nanocomposite as a proper platform for label-free DNA biosensor. Bioelectrochemistry, 2020, 133, 107458.	2.4	33
17	Magnetic solid-phase extraction using metalâ€“organic framework-based biosorbent followed by ligandless deep-eutectic solvent-ultrasounds-assisted dispersive liquidâ€“liquid microextraction (DES-USA-DLLME) for preconcentration of mercury (II). Microchemical Journal, 2021, 166, 106209.	2.3	32
18	Differential pulse voltammetric determination of nanomolar concentrations of antiviral drug acyclovir at polymer film modified glassy carbon electrode. Materials Science and Engineering C, 2016, 61, 858-864.	3.8	31

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19	Modified magnetic-metal organic framework as a green and efficient adsorbent for removal of heavy metals. Journal of Environmental Chemical Engineering, 2022, 10, 107297.	3.3	31
20	Remarkable electrocatalytic activity of Ni-nanoparticles on MOF-derived ZrO2-porous carbon/reduced graphene oxide towards methanol oxidation. International Journal of Hydrogen Energy, 2021, 46, 10723-10738.	3.8	29
21	Preparation of a Ketoconazole Ion-Selective Electrode and Its Application to Pharmaceutical Analysis.. Analytical Sciences, 2000, 16, 549-552.	0.8	28
22	Electrochemical, spectroscopic, and theoretical studies on the interaction between azathioprine and DNA. International Journal of Biological Macromolecules, 2015, 81, 427-434.	3.6	28
23	Hierarchical NiCo2O4/CuO-C nanocomposite derived from copper-based metal organic framework and Ni/Co hydroxides: Excellent electrocatalytic activity towards methanol oxidation. Journal of Alloys and Compounds, 2022, 907, 164510.	2.8	28
24	Electrochemical and spectroscopic studies of the interaction between the neuroleptic drug, gabapentin, and DNA. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 598-601.	1.4	26
25	A Nanocomposite of Poly(melamine) and Electrochemically Reduced Graphene Oxide Decorated with Cu Nanoparticles: Application to Simultaneous Determination of Hydroquinone and Catechol. Journal of the Electrochemical Society, 2015, 162, B237-B244.	1.3	25
26	Conductance study of the thermodynamics of micellization of 1-hexadecylpyridinium bromide in mixed solvents containing dilute electrolyte solutions. Journal of the Iranian Chemical Society, 2008, 5, 309-315.	1.2	24
27	Preparation of a gabapentin potentiometric sensor and its application to pharmaceutical analysis. Sensors and Actuators B: Chemical, 2007, 127, 304-309.	4.0	22
28	Binding of the neuroleptic drug, gabapentin, to bovine serum albumin: Insights from experimental and computational studies. Journal of Luminescence, 2014, 148, 347-352.	1.5	22
29	Zr-MOF@Polyaniline as an efficient platform for nickel deposition: Application to methanol electro-oxidation. Fuel, 2021, 296, 120677.	3.4	22
30	Preparation of an Atenolol Ionâ€Selective Electrode and its Application to Pharmaceutical Analysis. Analytical Letters, 2005, 38, 401-410.	1.0	21
31	Micellization of Cetyltrimethylammonium Bromide (CTAB) in Mixed Solvents and in the Presence of Potassium Bromide. Journal of Dispersion Science and Technology, 2011, 32, 659-666.	1.3	20
32	Sensitive amperometric determination of methimazole based on the electrocatalytic effect of rutin/multi-walled carbon nanotube film. Bioelectrochemistry, 2015, 101, 66-74.	2.4	20
33	Determination of free formaldehyde in vaccines and biological samples using solid-phase microextraction coupled to GC-MS. Journal of Separation Science, 2013, 36, 3883-3888.	1.3	18
34	Electrochemical Sensor Based on a Nanocomposite of Carbon Dots, Hexadecyltrimethylammonium Bromide and Chitosan for Mesalazine Determination. Journal of Analytical Chemistry, 2020, 75, 544-552.	0.4	18
35	Voltammetric determination of immunosuppressive agent, azathioprine, by using a graphene-chitosan modified-glassy carbon electrode. Russian Journal of Electrochemistry, 2015, 51, 70-76.	0.3	16
36	PREPARATION OF A CLOTRIMAZOLE ION-SELECTIVE ELECTRODE AND ITS APPLICATION TO PHARMACEUTICAL ANALYSIS. Analytical Letters, 2002, 35, 53-64.	1.0	15

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37	Application of carbon nanotubes-ionic liquid hybrid in a sensitive atorvastatin ion-selective electrode. Materials Science and Engineering C, 2016, 69, 276-282.	3.8	15
38	Voltammetric Determination of Captopril Using Chlorpromazine as a Homogeneous Mediator. International Journal of Electrochemistry, 2011, 2011, 1-6.	2.4	13
39	Cloud point extraction-preconcentration and flame atomic absorption spectrometric determination of low levels of zinc in water and blood serum samples. Open Chemistry, 2009, 7, 938-944.	1.0	12
40	Potentiometric Determination of Trace Amounts of Amantadine Using a Modified Carbon-Paste Electrode. Analytical Sciences, 2009, 25, 1227-1230.	0.8	12
41	New nanostructure of polydimethylsiloxane coating as a solid-phase microextraction fiber: Application to analysis of BTEX in aquatic environmental samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 287-295.	1.2	12
42	Highly selective electrode for potentiometric analysis of methadone in biological fluids and pharmaceutical formulations. Materials Science and Engineering C, 2016, 63, 30-36.	3.8	11
43	Spectrophotometric Determination of Trace Amounts of Nitrite Ion Based on Its Catalytic Effect in the Reaction between Thymol Blue and Bromate. Microchemical Journal, 1997, 57, 224-230.	2.3	10
44	Spectrofluorimetric Study and Detection of Ketoconazole in the Presence of Î²-cyclodextrin. Journal of Fluorescence, 2008, 18, 219-225.	1.3	10
45	Electrocatalytic oxidation of captopril using a carbon-paste electrode modified with copper-cobalt hexacyanoferrate. Russian Journal of Electrochemistry, 2014, 50, 482-489.	0.3	8
46	Electrocatalytic determination of anti-hyperthyroid drug, methimazole, using a modified carbon-paste electrode. African Journal of Pharmacy and Pharmacology, 2013, 7, 269-274.	0.2	6
47	Amperometric Determination of Cholesterol-Reducing Drug, Ezetimibe, Using Glassy Carbon Electrode Modified with Multiwalled Carbon Nanotubes and Sodium Dodecylsulfate. Analytical Letters, 2010, 43, 1481-1490.	1.0	5
48	Investigation of the Interaction of Sertraline with Calf Thymus DNA by Spectroscopic Methods. Journal of the Brazilian Chemical Society, 2013, , .	0.6	5
49	Fast Electrocatalytic Determination of Methimazole at an Activated Glassy Carbon Electrode. Iranian Journal of Pharmaceutical Research, 2016, 15, 735-741.	0.3	5
50	Conductance study of the thermodynamics of complexation of amantadine, rimantadine and aminocyclohexane with some macrocyclic compounds in acetonitrile solution. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 61, 77-82.	1.6	4
51	Measurement of Dissolved Oxygen in Biological Fluids by Using a Modified Carbon Paste Electrode. Electroanalysis, 2009, 21, 201-205.	1.5	4
52	Spectrofluorimetric study and determination of desipramine in the presence of Î²-cyclodextrin. Journal of Analytical Chemistry, 2014, 69, 367-370.	0.4	3
53	Spectral, electrochemical, and molecular docking evaluation of the interaction of the anti-hyperthyroid drug methimazole with DNA. Canadian Journal of Chemistry, 2015, 93, 1132-1139.	0.6	3
54	Surface-confined amantadineâ€“Î²-cyclodextrin inclusion complex: voltammetric study and application. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 81, 153-160.	0.9	3

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55	Electrospun nanofibers as a new solid phase microextraction coating for determination of volatile organic impurities in biological products. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1153, 122279.	1.2	3
56	Homogeneous electrocatalytic oxidation of captopril by iodide and its application to pharmaceutical analysis. Journal of the Iranian Chemical Society, 2012, 9, 889-894.	1.2	2
57	Simultaneous voltammetric determination of nitrophenol isomers based on a modified electrode by silver nanowires and poly-L-arginine. International Journal of Environmental Analytical Chemistry, 2019, , 1-13.	1.8	2
58	A Kinetic Study on Electrooxidation of Propyl-Thiouracil: An Anti-Hyperthyroid Drug by Potassium Iodide. Journal of the Electrochemical Society, 2013, 160, H710-H714.	1.3	1
59	Extractive Spectrophotometric Determination of Fluconazole by Ionâ€pair Complex Formation with Bromocresol Green. Chinese Journal of Chemistry, 2007, 25, 1300-1303.	2.6	0
60	Voltammetric Determination of Gabapentin by a Carbon Ceramic Electrode Modified with Multiwalled Carbon Nanotubes and Nickel-Catechol Complex. Journal of the Brazilian Chemical Society, 2014, , .	0.6	0
61	Magnetically induced catalytic electrooxidation of As(III) on GC modified Fe@Cu-BTC MOF nanoparticles: Application for determination of As(III). Surfaces and Interfaces, 2022, 30, 101946.	1.5	0