Mansour Arab Chamjangali

List of Publications by Year
in descending order

90 papers	1,331 citations	361413 20 h-index	434195 31 g-index
91 all docs	91 docs citations	91 times ranked	1622 citing authors

#	Article	IF	Citations
1	Application of random forest for modeling batch and continuous fixed-bed removal of crystal violet from aqueous solutions using Gypsophila aretioides stem-based biosorbent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120292.	3.9	13
2	Application of the LAD-LASSO as a dimensional reduction technique in the ANN-based QSAR study: Discovery of potent inhibitors using molecular docking simulation. Chemometrics and Intelligent Laboratory Systems, 2022, 222, 104510.	3.5	3
3	Theoretical and experimental study of the photodegradation of methyl orange in the presence of different morphologies of Au-ZnO using Monte Carlo dynamic simulation. Environmental Science and Pollution Research, 2022, 29, 55131-55146.	5.3	9
4	Removal of methylene blue and crystal violet in binary aqueous solution by magnetic Terminalia catappa kernel shell biosorbent using Box–Behnken design. Journal of the Iranian Chemical Society, 2022, 19, 3769-3781.	2.2	11
5	A comparative study of novel spectrophotometric methods for simultaneous determination of nitroaniline isomers in their binary mixtures with highly severe overlapping spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119278.	3.9	2
6	Removal of lead ions from aqueous solutions using functionalized pine cone powder. Journal of the Iranian Chemical Society, 2021, 18, 2369-2379.	2.2	1
7	Performance of smoothly clipped absolute deviation as a variable selection method in the artificial neural network–based QSAR studies. Journal of Chemometrics, 2021, 35, e3338.	1.3	6
8	Comparison of Capabilities of Four Spectrophotometric Techniques for Determining Concentrations of Compounds with Highly Severe Overlapping Spectra. Analytical Chemistry Letters, 2021, 11, 198-214.	1.0	0
9	Application of Tandem Dispersive Liquid–Liquid Microextraction as an Efficient Method for Preconcentration of Two Antidepressant Drugs in Real Samples Combined with High Performance Liquid Chromatography. Journal of Chromatographic Science, 2021, , .	1.4	3
10	Glassy carbon electrode modified by Pd–Cu bimetallic nano-dendrites film decorated on the reduced graphene oxide using galvanic replacement as a low-cost anode in methanol fuel cells. International Journal of Hydrogen Energy, 2021, 46, 14338-14350.	7.1	7
11	Suggestion of active 3-chymotrypsin like protease (3CL^{Pro}) inhibitors as potential anti-SARS-CoV-2 agents using predictive QSAR model based on the combination of ALASSO with an ANN model. SAR and QSAR in Environmental Research, 2021, 32, 863-888.	2.2	2
12	Artificial neural network and multiple linear regression for modeling sorption of Pb^{2+} ions from aqueous solutions onto modified walnut shell. Separation Science and Technology, 2020, 55, 222-233.	2.5	15
13	Heracleum Persicum based biosorbent for the removal of paraquat and diquat from waters. Journal of Environmental Chemical Engineering, 2020, 8, 104481.	6.7	15
14	Preparation and Characterization of a Novel Chemically Modified PVC Adsorbent for Methyl Orange Removal: Optimization, and Study of Isotherm, Kinetics, and Thermodynamics of Adsorption Process. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	2
15	LM-ANN-based QSAR model for the prediction of pEC50 for a set of potent NNRTI using the mixture of ligand–receptor interaction information and drug-like indexes. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	0
16	QSAR modeling of anti-HIV activity for DAPY-like derivatives using the mixture of ligand-receptor binding information and functional group features as a new class of descriptors. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	1
17	Combination of radial distribution functions as structural descriptors with ligand-receptor interaction information in the QSAR study of some 4-anilinoquinazoline derivatives as potent EGFR inhibitors. Structural Chemistry, 2020, 31, 1481-1491.	2.0	8
18	The efficiency of ligand–receptor interaction information alone as new descriptors in QSAR modeling via random forest artificial neural network. Chemical Biology and Drug Design, 2020, 96, 812-824.	3.2	3

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19	Combination of least absolute shrinkage and selection operator with Bayesian Regularization artificial neural network (LASSO-BR-ANN) for QSAR studies using functional group and molecular docking mixed descriptors. Chemometrics and Intelligent Laboratory Systems, 2020, 200, 103998.	3.5	10
20	Recycled polystyrene-cotton composites, giving a second life to plastic residues for environmental remediation. Journal of Environmental Chemical Engineering, 2019, 7, 103424.	6.7	15
21	An asymmetric flow injection determination of hydroquinone and catechol: An analytic hierarchy and artificial neural network approach. Measurement: Journal of the International Measurement Confederation, 2019, 139, 454-466.	5.0	10
22	Construction and characterization of GCE/MWCNT/Au-NP as a new impedimetric and voltammetric sensor for determination of gemfibrozil in pharmaceutical and biological samples. Biomedical Physics and Engineering Express, 2019, 5, 025029.	1.2	1
23	Application of Allura Red in the construction of a novel amperometric flow sensor for the automatic determination of hydroquinone and catechol using a two-line flow injection manifold with a single-sensor/double-pulse amperometric detection. Measurement Science and Technology, 2019, 30, 025801.	2.6	1
24	Application of nanoperlite as a new natural sorbent in the preconcentration of three organophosphorus pesticides by microextraction in packed syringe coupled with gas chromatography and mass spectrometry. Journal of Separation Science, 2018, 41, 2245-2252.	2.5	26
25	Modification of glassy carbon electrode with poly(hydroxynaphthol blue)/multi-walled carbon nanotubes composite and construction a new voltammetric sensor for the simultaneous determination of hydroquinone, catechol, and resorcinol. Materials Research Express, 2018, 5, 035307.	1.6	10
26	Synthesis of ZnO nanostructure using activated carbon for photocatalytic degradation of methyl orange from aqueous solutions. Applied Water Science, 2018, 8, 1.	5.6	86
27	Simultaneous removal of Pb^{2+} and methylene blue from aqueous solution by a new carboxylic acid functionalized walnut shell: Optimization by multivariate method. Materials Research Express, 2018, 5, 065510.	1.6	8
28	Synthesis and characterization of a new magnetic bio-adsorbent using walnut shell powder and its application in ultrasonic assisted removal of lead. Journal of Environmental Chemical Engineering, 2017, 5, 1429-1437.	6.7	36
29	Construction and characterization a non-amalgamation voltammetric flow sensor for online simultaneous determination of lead and cadmium ions. Sensors and Actuators B: Chemical, 2017, 253, 124-136.	7.8	26
30	Application of Ultrasound-Assisted Surfactant-Enhanced Emulsification Microextraction Based on Solidi¬cation of Floating Organic Droplets and High Performance Liquid Chromatography for Preconcentration and Determination of Alprazolam and Chlordiazepoxide in Human Serum Samples. Journal of Chromatographic Science, 2017, 55, 669-675.	1.4	5
31	Modified dispersive solid-liquid microextraction coupled to HPLC and application of experimental design methodology to determine the trace amount of levothyroxine in human real samples. Microchemical Journal, 2017, 133, 417-422.	4.5	4
32	Effective simultaneous removal of Pb(II) and Cd(II) ions by a new magnetic zeolite prepared from stem sweep. Materials Research Express, 2017, 4, 116104.	1.6	11
33	Application of linear and non-linear methods for modeling removal efficiency of textile dyes from aqueous solutions using magnetic Fe_3O_4 impregnated onto walnut shell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 268-279.	3.9	43
34	Double injection/single detection asymmetric flow injection manifold for spectrophotometric determination of ascorbic acid and uric acid: Selection the optimal conditions by MCDM approach based on different criteria weighting methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 203-213.	3.9	11
35	Determination of Three Organochlorine Pesticides in Aqueous Samples by Solid-Phase Extraction Based on Natural Nano Diatomite in Packed Syringe Coupled to Gas Chromatography–Mass Spectrometry. Analytical Sciences, 2017, 33, 1135-1140.	1.6	9
36	High Sensitivity and Fast Oxidation of Caffeine in Coffee and Theophylline at Nanostructured Electrodes. Electroanalysis, 2016, 28, 2506-2513.	2.9	5

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37	Optimization of ultrasound-assisted dispersive liquid-liquid microextraction based on solidification of floating organic droplets by experimental design methodologies for determination of three anti-anxiety drugs in human serum and urine samples by high performance liquid chromatography. Microchemical Journal, 2016, 128, 47-54.	4.5	34
38	Quantitative structure-property relationships of retention indices of some sulfur organic compounds using random forest technique as a variable selection and modeling method. Journal of Separation Science, 2016, 39, 3835-3842.	2.5	2
39	H-point Standard Addition Method (HPSAM) for Simultaneous Spectrophotometric Determination of Cu(II) and Pd(II) by 1-(2-thiazolylazo)-2-naphthol (TAN) in Micellar Media. Analytical Chemistry Letters, 2016, 6, 181-192.	1.0	0
40	Application of a thin film of poly(solochrome black T) as a redox mediator for the electro-catalytic simultaneous determination of dopamine and acetaminophen in the pharmaceutical and biological samples. Materials Science and Engineering C, 2016, 58, 532-540.	7.3	21
41	Clean and Green Synthesis of New Benzothiazole Derivatives via Electrochemical Oxidation of Catechol Derivatives. Croatica Chemica Acta, 2016, 89, 7-15.	0.4	2
42	Methylthiouracilâ€modified Carbon Paste Electrode as a New Voltammetric Sensor Based on a 1,4â€Michael Addition Reaction for Detection of Dopamine. Electroanalysis, 2015, 27, 2708-2717.	2.9	1
43	Optimization of modified dispersive liquidâ€"liquid microextraction coupled with highâ€performance liquid chromatography for the simultaneous preconcentration and determination of nitrazepam and midazolam drugs: An experimental design. Journal of Separation Science, 2015, 38, 1673-1679.	2.5	25
44	Development of coupled ultrasoundâ€assisted and reversedâ€phase dispersive liquidâ€"liquid microextraction before highâ€performance liquid chromatography for the sensitive determination of vitamin A and vitamin E in oil samples. Journal of Separation Science, 2015, 38, 3254-3261.	2.5	31
45	Development of a new electrochemical sensor for verapamil based on multi-walled carbon nanotube immobilized on glassy carbon electrode. Measurement: Journal of the International Measurement Confederation, 2015, 71, 23-30.	5.0	18
46	Synthesis of Agâ€"ZnO with multiple rods (multipods) morphology and its application in the simultaneous photo-catalytic degradation of methyl orange and methylene blue. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 230-237.	3.9	62
47	Electrochemical oxidation of catechol derivatives in the presence of 3-acetyldihydro-2(3H)-furanone: efficient and green method for synthesis of new butyrolactone derivatives. Monatshefte FÃ¼r Chemie, 2015, 146, 111-117.	1.8	9
48	A voltammetric sensor based on the glassy carbon electrode modified with multi-walled carbon nanotube/poly(pyrocatechol violet)/bismuth film for determination of cadmium and lead as environmental pollutants. Sensors and Actuators B: Chemical, 2015, 216, 384-393.	7.8	117
49	A new and sensitive reaction rate method for spectrophotometric determination of trace amounts of thiourea in different water samples based on an induction period. Journal of Analytical Science and Technology, 2015, 6, .	2.1	6
50	An on-line spectrophotometric determination of trace amounts of thiourea in tap water, orange juice, and orange peel samples using multi-channel flow injection analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 580-587.	3.9	12
51	Synthesis and application of multiple rods goldâ€"zinc oxide nanostructures in the photocatalytic degradation of methyl orange. International Journal of Environmental Science and Technology, 2015, 12, 151-160.	3.5	36
52	Application of Dispersive Liquid-Liquid Microextraction in Separation and Preconcentration of Silver prior its Determination by Flame Atomic Absorption Spectrometry. Croatica Chemica Acta, 2014, 87, 241-248.	0.4	4
53	Suspended droplet solvent microextraction-flame atomic absorption spectrometry (SDSME-FAAS) determination of trace amounts of copper in river and sea water samples. Journal of Analytical Chemistry, 2014, 69, 1061-1065.	0.9	14
54	Kinetic and Mechanistic Investigation of Electrochemical Oxidation of Hydroquinones in the Absence and Presence of 2-acetyl-gamma-butyrolactone. Progress in Reaction Kinetics and Mechanism, 2014, 39, 391-403.	2.1	1

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55	Calculation of Hildebrand solubility parameters of some polymers using QSPR methods based on LS-SVM technique and theoretical molecular descriptors. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overl	3.7	9
56	Application of random forests method to predict the retention indices of some polycyclic aromatic hydrocarbons. Journal of Chromatography A, 2014, 1333, 25-31.	3.7	28
57	Application of a new SPA-SVM coupling method for QSPR study of electrophoretic mobilities of some organic and inorganic compounds. Chinese Chemical Letters, 2013, 24, 904-908.	9.0	9
58	Effects of Surfactant and Polyelectrolyte on Distribution of Silicate Species in Alkaline Aqueous Tetraoctylammonium Silicate Solutions Using 29Si NMR Spectroscopy. Applied Magnetic Resonance, 2013, 44, 1095-1103.	1.2	5
59	QSAR study of necroptosis inhibitory activities (EC50) of [1,2,3] thiadiazole and thiophene derivatives using Bayesian regularized artificial neural network and calculated descriptors. Medicinal Chemistry Research, 2013, 22, 392-400.	2.4	11
60	Linear and Nonlinear QSAR Study of N2 and O6 Substituted Guanine Derivatives as Cyclin-Dependent Kinase 2 Inhibitors. , 2013, 2013, 1-8.		0
61	Application of Flame Atomic Absorption Spectrometry Combined with Direct Solvent Microextraction (DSME-FAAS) to Determine of Trace Amounts of Cobalt (II) as a Pollutant in Natural Water Samples. Analytical Chemistry Letters, 2013, 3, 147-158.	1.0	0
62	Synthesis of Flower-like Ag-ZnO Nanostructure and its Application in the Photodegradation of Methyl Orange. Journal of the Brazilian Chemical Society, 2013, , .	0.6	9
63	Determination of Piroxicam in Different Pharmaceutical Products by a Simple Kinetic Procedure Based on An Induction Period Effect. Analytical Chemistry Letters, 2012, 2, 44-55.	1.0	2
64	Bayesian Regularized Artificial Neural Network Modeling of the Anti‐protozoal Activities of 1‐Methylbenzimidazole Derivatives Against <i>T. Vaginalis</i> Infection. Journal of the Chinese Chemical Society, 2012, 59, 743-752.	1.4	5
65	Synthesis and application of chloromethylated polystyrene modified with 1-phenyl-1,2-propanedione-2-oxime thiosemicarbazone (PPDOT) as a new sorbent for the on-line preconcentration and determination of copper in water, soil, and food samples by FAAS. Journal of Hazardous Materials, 2011, 192, 1641-1649.	12.4	37
66	Development of a Simple and Inexpensive Optical Absorption One‐Shot Sensor Membrane for Detection and Determination of Cyanide Ions in Water Samples. Journal of the Chinese Chemical Society, 2011, 58, 118-125.	1.4	7
67	Sequential eluent injection technique as a new approach for the on-line enrichment and speciation of Cr(III) and Cr(VI) species on a single column with FAAS detection. Journal of Hazardous Materials, 2011, 192, 813-821.	12.4	33
68	Application of chloromethylated polystyrene functionalized with N,N-bis(naphthylideneimino)diethylenetriamine in an on-line preconcentration system for the determination of cadmium by FAAS. Journal of Hazardous Materials, 2010, 174, 843-850.	12.4	38
69	Selective spectrophotometric determination of periodate based on its reaction with methylene green and its application to indirect determination of ethylene glycol and glycerol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 29-32.	3.9	5
70	Application of 29Si NMR spectroscopy to study of alkaline aqueous and alcoholic tetraoctylammonium (TOA) silicate solutions. Journal of Molecular Structure, 2010, 982, 127-132.	3.6	6
71	Synthesis and application of a functionalized polystyrene resin for on-line preconcentration and determination of cobalt(II) in water samples by flow injection/FAAS. Journal of the Brazilian Chemical Society, 2010, 21, 525-532.	0.6	8
72	Derivatives Using Calculated Molecular Descriptors and Levenberg‐Marquardt Artificial Neural Network. Chemical Biology and Drug Design, 2009, 73, 456-465.	3.2	17

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73	Development and characterization of a copper optical sensor based on immobilization of synthesized 1-phenyl-1,2-propanedione-2-oxime thiosemicarbazone on a triacetylcellulose membrane. Sensors and Actuators B: Chemical, 2009, 138, 251-256.	7.8	33
74	A new induction period based reaction rate method for determination trace amounts of phenylhydrazine in water samples. Journal of Hazardous Materials, 2009, 166, 701-705.	12.4	9
75	Determination of trace amounts of oxalate in vegetable and water samples using a new kineticâ€"catalytic reaction system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 112-116.	3.9	18
76	Silicon-29 NMR Study of Alkaline Aqueous and Alcoholic Tri-butylmethyl Ammonium (TBMA) Silicate Solutions. Spectroscopy Letters, 2009, 42, 20-27.	1.0	10
77	(4,7-Diphenyl-1,10-phenanthroline-Î°2N,Nâ€²)diiodidomercury(II). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1339-m1340.	0.2	10
78	(E)-2-{N-Ethyl-4-[(4-nitrophenyl)diazenyl]anilino}ethyl acrylate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o789-o789.	0.2	0
79	Prediction of cytotoxicity data (CC50) of anti-HIV 5-pheny-l-phenylamino-1H-imidazole derivatives by artificial neural network trained with Levenbergâ€"Marquardt algorithm. Journal of Molecular Graphics and Modelling, 2007, 26, 360-367.	2.4	38
80	Simultaneous determination of cobalt and palladium in micellar media using H-point standard addition method and partial least square regression. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 378-384.	3.9	14
81	Determination of trace amounts of thiocyanate by a new kinetic procedure based on an induction period. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1252-1256.	3.9	18
82	Kinetic Spectrophotometric Method for the Determination of Trace Amounts of Oxalate by an Activation Effect. Analytical Sciences, 2006, 22, 333-336.	1.6	13
83	Simultaneous determination of cobalt, nickel and palladium in micellar media using partial least square regression and direct orthogonal signal correction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 189-196.	3.9	21
84	Flow Injection Spectrophotometric Determination of Trace Amounts of Hydrazine by the Inhibition of the Pyrogallol Red-Iodate Reaction. Journal of Analytical Chemistry, 2004, 59, 129-133.	0.9	8
85	Sequential Determination of Iron(II) and Iron(III) in Pharmaceutical by Flow-Injection Analysis with Spectrophotometric Detection. Analytical Sciences, 2004, 20, 645-650.	1.6	29
86	Sequential flow injection determination of iodate and periodate with spectrophotometric detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 2897-2903.	3.9	20
87	Flow-injection spectrophotometric determination of periodate and iodate by their reaction with pyrogallol red in acidic media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2835-2839.	3.9	19
88	Catalytic spectrophotometric determination of ruthenium by flow injection method. Talanta, 2001, 55, 715-720.	5.5	18
89	Evaluation of nanosilica, extracted from stem sweep, as a new adsorbent for simultaneous removal of crystal violet and methylene blue from aqueous solutions. , 0, 88, 207-220.		8
90	QSRR models for predicting the retention indices of VOCs in different datasets using an efficient variable selection method coupled with artificial neural network modeling: ANN-based QSPR modeling. Journal of the Iranian Chemical Society, 0, , .	2.2	2