

# Mansour Arab Chamjangali

## List of Publications by Year in descending order

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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	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. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 384-393.	7.8	117
2	Synthesis of ZnO nanostructure using activated carbon for photocatalytic degradation of methyl orange from aqueous solutions. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	86
3	Synthesis of Ag@ZnO with multiple rods (multipods) morphology and its application in the simultaneous photo-catalytic degradation of methyl orange and methylene blue. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 230-237.	3.9	62
4	Application of linear and non-linear methods for modeling removal efficiency of textile dyes from aqueous solutions using magnetic Fe <sub>3</sub> O <sub>4</sub> impregnated onto walnut shell. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 268-279.	3.9	43
5	Prediction of cytotoxicity data (CC50) of anti-HIV 5-phenyl-1-phenylamino-1H-imidazole derivatives by artificial neural network trained with Levenberg-Marquardt algorithm. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 26, 360-367.	2.4	38
6	Application of chloromethylated polystyrene functionalized with N,N-bis(naphthylideneimino)diethylenetriamine in an on-line preconcentration system for the determination of cadmium by FAAS. <i>Journal of Hazardous Materials</i> , 2010, 174, 843-850.	12.4	38
7	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. <i>Journal of Hazardous Materials</i> , 2011, 192, 1641-1649.	12.4	37
8	Synthesis and application of multiple rods gold@zinc oxide nanostructures in the photocatalytic degradation of methyl orange. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 151-160.	3.5	36
9	Synthesis and characterization of a new magnetic bio-adsorbent using walnut shell powder and its application in ultrasonic assisted removal of lead. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1429-1437.	6.7	36
10	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. <i>Microchemical Journal</i> , 2016, 128, 47-54.	4.5	34
11	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. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 251-256.	7.8	33
12	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. <i>Journal of Hazardous Materials</i> , 2011, 192, 813-821.	12.4	33
13	Development of coupled ultrasound-assisted and reversed-phase dispersive liquid-liquid microextraction before high-performance liquid chromatography for the sensitive determination of vitamin A and vitamin E in oil samples. <i>Journal of Separation Science</i> , 2015, 38, 3254-3261.	2.5	31
14	Sequential Determination of Iron(II) and Iron(III) in Pharmaceutical by Flow-Injection Analysis with Spectrophotometric Detection. <i>Analytical Sciences</i> , 2004, 20, 645-650.	1.6	29
15	Application of random forests method to predict the retention indices of some polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 2014, 1333, 25-31.	3.7	28
16	Construction and characterization a non-amalgamation voltammetric flow sensor for online simultaneous determination of lead and cadmium ions. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 124-136.	7.8	26
17	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. <i>Journal of Separation Science</i> , 2018, 41, 2245-2252.	2.5	26
18	Optimization of modified dispersive liquid-liquid microextraction coupled with high-performance liquid chromatography for the simultaneous preconcentration and determination of nitrazepam and midazolam drugs: An experimental design. <i>Journal of Separation Science</i> , 2015, 38, 1673-1679.	2.5	25

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19	Simultaneous determination of cobalt, nickel and palladium in micellar media using partial least square regression and direct orthogonal signal correction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 189-196.	3.9	21
20	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. <i>Materials Science and Engineering C</i> , 2016, 58, 532-540.	7.3	21
21	Sequential flow injection determination of iodate and periodate with spectrophotometric detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 2897-2903.	3.9	20
22	Flow-injection spectrophotometric determination of periodate and iodate by their reaction with pyrogallol red in acidic media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 2835-2839.	3.9	19
23	Catalytic spectrophotometric determination of ruthenium by flow injection method. <i>Talanta</i> , 2001, 55, 715-720.	5.5	18
24	Determination of trace amounts of thiocyanate by a new kinetic procedure based on an induction period. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1252-1256.	3.9	18
25	Determination of trace amounts of oxalate in vegetable and water samples using a new kinetic catalytic reaction system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 112-116.	3.9	18
26	Development of a new electrochemical sensor for verapamil based on multi-walled carbon nanotube immobilized on glassy carbon electrode. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 71, 23-30.	5.0	18
27	Derivatives Using Calculated Molecular Descriptors and Levenberg-Marquardt Artificial Neural Network. <i>Chemical Biology and Drug Design</i> , 2009, 73, 456-465.	3.2	17
28	Recycled polystyrene-cotton composites, giving a second life to plastic residues for environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103424.	6.7	15
29	Artificial neural network and multiple linear regression for modeling sorption of Pb <sup>2+</sup> ions from aqueous solutions onto modified walnut shell. <i>Separation Science and Technology</i> , 2020, 55, 222-233.	2.5	15
30	Heracleum Persicum based biosorbent for the removal of paraquat and diquat from waters. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104481.	6.7	15
31	Simultaneous determination of cobalt and palladium in micellar media using H-point standard addition method and partial least square regression. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 378-384.	3.9	14
32	Suspended droplet solvent microextraction-flame atomic absorption spectrometry (SDSME-FAAS) determination of trace amounts of copper in river and sea water samples. <i>Journal of Analytical Chemistry</i> , 2014, 69, 1061-1065.	0.9	14
33	Kinetic Spectrophotometric Method for the Determination of Trace Amounts of Oxalate by an Activation Effect. <i>Analytical Sciences</i> , 2006, 22, 333-336.	1.6	13
34	Application of random forest for modeling batch and continuous fixed-bed removal of crystal violet from aqueous solutions using <i>Cypophila aretioides</i> stem-based biosorbent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120292.	3.9	13
35	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 580-587.	3.9	12
36	QSAR study of necroptosis inhibitory activities (EC50) of [1,2,3] thiadiazole and thiophene derivatives using Bayesian regularized artificial neural network and calculated descriptors. <i>Medicinal Chemistry Research</i> , 2013, 22, 392-400.	2.4	11

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37	Effective simultaneous removal of Pb(II) and Cd(II) ions by a new magnetic zeolite prepared from stem sweep. <i>Materials Research Express</i> , 2017, 4, 116104.	1.6	11
38	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 203-213.	3.9	11
39	Removal of methylene blue and crystal violet in binary aqueous solution by magnetic Terminalia catappa kernel shell biosorbent using Boxâ€ Behnken design. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 3769-3781.	2.2	11
40	Silicon-29 NMR Study of Alkaline Aqueous and Alcoholic Tri-butylmethyl Ammonium (TBMA) Silicate Solutions. <i>Spectroscopy Letters</i> , 2009, 42, 20-27.	1.0	10
41	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. <i>Materials Research Express</i> , 2018, 5, 035307.	1.6	10
42	An asymmetric flow injection determination of hydroquinone and catechol: An analytic hierarchy and artificial neural network approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 139, 454-466.	5.0	10
43	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. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 103998.	3.5	10
44	(4,7-Diphenyl-1,10-phenanthroline-Î²2N,Nâ€²)diiodidomercury(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1339-m1340.	0.2	10
45	A new induction period based reaction rate method for determination trace amounts of phenylhydrazine in water samples. <i>Journal of Hazardous Materials</i> , 2009, 166, 701-705.	12.4	9
46	Application of a new SPA-SVM coupling method for QSPR study of electrophoretic mobilities of some organic and inorganic compounds. <i>Chinese Chemical Letters</i> , 2013, 24, 904-908.	9.0	9
47	Synthesis of Flower-like Ag-ZnO Nanostructure and its Application in the Photodegradation of Methyl Orange. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	9
48	Calculation of Hildebrand solubility parameters of some polymers using QSPR methods based on LS-SVM technique and theoretical molecular descriptors. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq0 0 Oâ€ BT /Overlock 10 TF		
49	Electrochemical oxidation of catechol derivatives in the presence of 3-acetyldihydro-2(3H)-furanone: efficient and green method for synthesis of new butyrolactone derivatives. <i>Monatshefte FÃ¼r Chemie</i> , 2015, 146, 111-117.	1.8	9
50	Determination of Three Organochlorine Pesticides in Aqueous Samples by Solid-Phase Extraction Based on Natural Nano Diatomite in Packed Syringe Coupled to Gas Chromatographyâ€ Mass Spectrometry. <i>Analytical Sciences</i> , 2017, 33, 1135-1140.	1.6	9
51	Theoretical and experimental study of the photodegradation of methyl orange in the presence of different morphologies of Au-ZnO using Monte Carlo dynamic simulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55131-55146.	5.3	9
52	Flow Injection Spectrophotometric Determination of Trace Amounts of Hydrazine by the Inhibition of the Pyrogallol Red-Iodate Reaction. <i>Journal of Analytical Chemistry</i> , 2004, 59, 129-133.	0.9	8
53	Synthesis and application of a functionalized polystyrene resin for on-line preconcentration and determination of cobalt(II) in water samples by flow injection/FAAS. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 525-532.	0.6	8
54	Simultaneous removal of Pb2+ and methylene blue from aqueous solution by a new carboxylic acid functionalized walnut shell: Optimization by multivariate method. <i>Materials Research Express</i> , 2018, 5, 065510.	1.6	8

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55	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. <i>Structural Chemistry</i> , 2020, 31, 1481-1491.	2.0	8
56	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
57	Development of a Simple and Inexpensive Optical Absorption One-€Shot Sensor Membrane for Detection and Determination of Cyanide Ions in Water Samples. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 118-125.	1.4	7
58	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. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14338-14350.	7.1	7
59	Application of <sup>29</sup> Si NMR spectroscopy to study of alkaline aqueous and alcoholic tetraoctylammonium (TOA) silicate solutions. <i>Journal of Molecular Structure</i> , 2010, 982, 127-132.	3.6	6
60	A new and sensitive reaction rate method for spectrophotometric determination of trace amounts of thiourea in different water samples based on an induction period. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	2.1	6
61	Performance of smoothly clipped absolute deviation as a variable selection method in the artificial neural network-based QSAR studies. <i>Journal of Chemometrics</i> , 2021, 35, e3338.	1.3	6
62	Selective spectrophotometric determination of periodate based on its reaction with methylene green and its application to indirect determination of ethylene glycol and glycerol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 29-32.	3.9	5
63	Bayesian Regularized Artificial Neural Network Modeling of the Anti-€protozoal Activities of 1-Methylbenzimidazole Derivatives Against <i>T. Vaginalis</i> Infection. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 743-752.	1.4	5
64	Effects of Surfactant and Polyelectrolyte on Distribution of Silicate Species in Alkaline Aqueous Tetraoctylammonium Silicate Solutions Using <sup>29</sup> Si NMR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2013, 44, 1095-1103.	1.2	5
65	High Sensitivity and Fast Oxidation of Caffeine in Coffee and Theophylline at Nanostructured Electrodes. <i>Electroanalysis</i> , 2016, 28, 2506-2513.	2.9	5
66	Application of Ultrasound-Assisted Surfactant-Enhanced Emulsification Microextraction Based on Solidification of Floating Organic Droplets and High Performance Liquid Chromatography for Preconcentration and Determination of Alprazolam and Chlordiazepoxide in Human Serum Samples. <i>Journal of Chromatographic Science</i> , 2017, 55, 669-675.	1.4	5
67	Application of Dispersive Liquid-Liquid Microextraction in Separation and Preconcentration of Silver prior its Determination by Flame Atomic Absorption Spectrometry. <i>Croatica Chemica Acta</i> , 2014, 87, 241-248.	0.4	4
68	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. <i>Microchemical Journal</i> , 2017, 133, 417-422.	4.5	4
69	The efficiency of ligand-receptor interaction information alone as new descriptors in QSAR modeling via random forest artificial neural network. <i>Chemical Biology and Drug Design</i> , 2020, 96, 812-824.	3.2	3
70	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. <i>Journal of Chromatographic Science</i> , 2021, , .	1.4	3
71	Application of the LAD-LASSO as a dimensional reduction technique in the ANN-based QSAR study: Discovery of potent inhibitors using molecular docking simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 222, 104510.	3.5	3
72	Determination of Piroxicam in Different Pharmaceutical Products by a Simple Kinetic Procedure Based on An Induction Period Effect. <i>Analytical Chemistry Letters</i> , 2012, 2, 44-55.	1.0	2

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73	Quantitative structure-property relationships of retention indices of some sulfur organic compounds using random forest technique as a variable selection and modeling method. <i>Journal of Separation Science</i> , 2016, 39, 3835-3842.	2.5	2
74	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. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	2
75	A comparative study of novel spectrophotometric methods for simultaneous determination of nitroaniline isomers in their binary mixtures with highly severe overlapping spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119278.	3.9	2
76	Clean and Green Synthesis of New Benzothiazole Derivatives via Electrochemical Oxidation of Catechol Derivatives. <i>Croatica Chemica Acta</i> , 2016, 89, 7-15.	0.4	2
77	Suggestion of active 3-chymotrypsin like protease (3CL <sup>Pro</sup> ) inhibitors as potential anti-SARS-CoV-2 agents using predictive QSAR model based on the combination of ALASSO with an ANN model. <i>SAR and QSAR in Environmental Research</i> , 2021, 32, 863-888.	2.2	2
78	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. <i>Journal of the Iranian Chemical Society</i> , 0, , .	2.2	2
79	Kinetic and Mechanistic Investigation of Electrochemical Oxidation of Hydroquinones in the Absence and Presence of 2-acetyl-gamma-butyrolactone. <i>Progress in Reaction Kinetics and Mechanism</i> , 2014, 39, 391-403.	2.1	1
80	Methylthiouracilâ€‘modified Carbon Paste Electrode as a New Voltammetric Sensor Based on a 1,4â€‘Michael Addition Reaction for Detection of Dopamine. <i>Electroanalysis</i> , 2015, 27, 2708-2717.	2.9	1
81	Construction and characterization of GCE/MWCNT/Au-NP as a new impedimetric and voltammetric sensor for determination of gemfibrozil in pharmaceutical and biological samples. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 025029.	1.2	1
82	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. <i>Measurement Science and Technology</i> , 2019, 30, 025801.	2.6	1
83	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. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2020, 9, 1.	2.1	1
84	Removal of lead ions from aqueous solutions using functionalized pine cone powder. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2369-2379.	2.2	1
85	Linear and Nonlinear QSAR Study of N2 and O6 Substituted Guanine Derivatives as Cyclin-Dependent Kinase 2 Inhibitors. , 2013, 2013, 1-8.		0
86	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. <i>Analytical Chemistry Letters</i> , 2013, 3, 147-158.	1.0	0
87	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. <i>Analytical Chemistry Letters</i> , 2016, 6, 181-192.	1.0	0
88	LM-ANN-based QSAR model for the prediction of pEC50 for a set of potent NNRTI using the mixture of ligandâ€‘receptor interaction information and drug-like indexes. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2020, 9, 1.	2.1	0
89	Comparison of Capabilities of Four Spectrophotometric Techniques for Determining Concentrations of Compounds with Highly Severe Overlapping Spectra. <i>Analytical Chemistry Letters</i> , 2021, 11, 198-214.	1.0	0
90	(E)-2-{N-Ethyl-4-[(4-nitrophenyl)diazenyl]anilino}ethyl acrylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o789-o789.	0.2	0