Bahram Hemmateenejad

List of Publications by Year
in descending order

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244	7,037	57758	91884
papers	citations	44 h-index	69 g-index

245	245	245	7408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of carbon paste concurrent with investigation of water electrolysis in paper-based closed bipolar electrochemistry. Journal of the Iranian Chemical Society, 2022, 19, 809-819.	2.2	2
2	Voltammetric determination of lactic acid in milk samples using carbon paste electrode modified with chitosan-based magnetic molecularly imprinted polymer. Journal of Applied Electrochemistry, 2022, 52, 35-44.	2.9	2
3	Deep and dip: Immobilization on paper substrate using Deep Eutectic solvent to fabricate reusable dip immersion colorimetric sensor arrays. Sensors and Actuators B: Chemical, 2022, 356, 131379.	7.8	10
4	Detection and discrimination of antibiotics in food samples using a microfluidic paper-based optical tongue. Talanta, 2022, 241, 123242.	5.5	25
5	Paper-Based Optical Nose Made with Bimetallic Nanoparticles for Monitoring Ignitable Liquids in Gasoline. ACS Applied Materials & Interfaces, 2022, 14, 8333-8342.	8.0	20
6	Identification and determination of multiple heavy metal ions using a miniaturized paper-based optical device. Sensors and Actuators B: Chemical, 2022, 359, 131551.	7.8	11
7	Calculation of lower and upper band boundaries for the feasible solutions of rank-deficient multivariate curve resolution problems. Chemometrics and Intelligent Laboratory Systems, 2022, 226, 104577.	3.5	2
8	Point-of-need determination of blood typing using a three-dimensional origami microfluidic paper based analytical device. Microchemical Journal, 2022, 181, 107796.	4.5	11
9	A disposable paper-based microfluidic electrochemical cell equipped with graphite-supported gold nanoparticles modified electrode for gallic acid determination. Journal of Electroanalytical Chemistry, 2022, 920, 116626.	3.8	6
10	A paper-based colorimetric sensor array for discrimination of monofloral European honeys based on gold nanoparticles and chemometrics data analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119076.	3.9	19
11	Chemometrics-based LC-UV-ESIMS analyses of 50 Salvia species for detecting their antioxidant constituents. Journal of Pharmaceutical and Biomedical Analysis, 2021, 193, 113745.	2.8	17
12	A non-invasive tool for early detection of acute leukemia in children using a paper-based optoelectronic nose based on an array of metallic nanoparticles. Analytica Chimica Acta, 2021, 1141, 28-35.	5.4	19
13	Fluorescent Carbon Dots Prepared from Hazelnut Kohl as an Affordable Probe for Determination of Dopamine. Journal of Fluorescence, 2021, 31, 455-463.	2.5	6
14	An All-in-One Solid State Thin-Layer Potentiometric Sensor and Biosensor Based on Three-Dimensional Origami Paper Microfluidics. Biosensors, 2021, 11, 44.	4.7	20
15	A comparative study of MCR-based kinetic analyses for chemical reaction systems with rate constant ambiguities. Chemometrics and Intelligent Laboratory Systems, 2021, 210, 104228.	3.5	2
16	Evaluation of adulteration in distillate samples of Rosa damascena Mill using colorimetric sensor arrays, chemometric tools and dispersive liquidâ€“liquid microextractionâ€Câ€MS. Phytochemical Analysis, 2021, 32, 1027-1038.	2.4	4
17	Collaboration of cyclometalated platinum complexes and metallic nanoclusters for rapid discrimination and detection of biogenic amines through a fluorometric paper-based sensor array. Sensors and Actuators B: Chemical, 2021, 334, 129582.	7.8	23
18	Converting electronic nose into opto-electronic nose by mixing MoS2 quantum dots with organic reagents: Application to recognition of aldehydes and ketones and determination of formaldehyde in milk. Analytica Chimica Acta, 2021, 1170, 338654.	5.4	23

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19	An array of metallic nanozymes can discriminate and detect a large number of anions. Sensors and Actuators B: Chemical, 2021, 339, 129911.	7.8	23
20	Dendrite gold nanostructures electrodeposited on paper fibers: Application to electrochemical non-enzymatic determination of glucose. Sensors and Actuators B: Chemical, 2020, 304, 127335.	7.8	42
21	Accessory mutations balance the marginal stability of the HIVâ€1 protease in drug resistance. Proteins: Structure, Function and Bioinformatics, 2020, 88, 476-484.	2.6	6
22	Gold-decorated Fe3O4 nanoparticles for efficient photocatalytic degradation of ampicillin: a chemometrics investigation. Journal of the Iranian Chemical Society, 2020, 17, 1173-1182.	2.2	7
23	Characterization of the binding of cyanidin-3-glucoside to bovine serum albumin and its stability in a beverage model system: A multispectroscopic and chemometrics study. Food Chemistry, 2020, 311, 126015.	8.2	14
24	Ultrafast detection of infectious bacteria using optoelectronic nose based on metallic nanoparticles. Sensors and Actuators B: Chemical, 2020, 319, 128262.	7.8	35
25	A 3D origami paper-based analytical device combined with PVC membrane for colorimetric assay of heavy metal ions: Application to determination of Cu(II) in water samples. Analytica Chimica Acta, 2020, 1126, 114-123.	5.4	55
26	A chemometric investigation on the influence of the nature and concentration of supporting electrolyte on charging currents in electrochemistry. Journal of Electroanalytical Chemistry, 2020, 871, 114296.	3.8	6
27	Electrochemical properties of gold nanosheets: Investigation of the effect of nanosheet thickness using chemometric methods. Microchemical Journal, 2020, 154, 104650.	4.5	5
28	A three-dimensional origami microfluidic device for paper chromatography: Application to quantification of Tartrazine and Indigo carmine in food samples. Journal of Chromatography A, 2020, 1621, 461049.	3.7	30
29	Evaluating Contribution of Faradaic, Charging and Kinetic Currents in Potential Scan Hydrodynamic Voltammetry by Chemometrics Method. Journal of the Electrochemical Society, 2020, 167, 116524.	2.9	0
30	Quantitative sequence-activity modeling of ACE peptide originated from milk using ACCâ€“QTMS amino acid indices. Amino Acids, 2019, 51, 1209-1220.	2.7	10
31	A paper-based length of stain analytical device for naked eye (readout-free) detection of cystic fibrosis. Analytica Chimica Acta, 2019, 1080, 138-145.	5.4	28
32	The effect of carbonaceous materials on faradaic and charging current contribution in carbon paste electrodes investigated by chemometrics methods. Journal of Solid State Electrochemistry, 2019, 23, 3255-3266.	2.5	5
33	Dual fluorometric and colorimetric sensor based on quenching effect of copper (II) sulfate on the copper nanocluster for determination of sulfide ion in water samples. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112030.	3.9	23
34	Colorimetric and visual determination of hydrogen peroxide and glucose by applying paper-based closed bipolar electrochemistry. Mikrochimica Acta, 2019, 186, 684.	5.0	22
35	On the relationship between docking scores and protein conformational changes in HIV-1 protease. Journal of Molecular Graphics and Modelling, 2019, 91, 186-193.	2.4	4
36	Structural Elucidation and Ultrasensitive Analyses of Volatile Organic Compounds by Paper-Based Nano-Optoelectronic Noses. ACS Sensors, 2019, 4, 1442-1451.	7.8	42

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37	Metabolite fingerprinting and identification of potential quality markers of Zataria multiflora by a chemometric approach. Journal of the Iranian Chemical Society, 2019, 16, 1631-1639.	2.2	2
38	Cycloplatinated(II) Derivatives of Mercaptopurine Capable of Binding Interactions with HSA/DNA. Inorganic Chemistry, 2019, 58, 16154-16170.	4.0	33
39	On the dependency between principal components: Application to determine the rank of a matrix in an evolutionary process. Journal of Chemometrics, 2019, 33, e3102.	1.3	2
40	Fabrication of the First Disposable Threeâ€dimensional Paperâ€based Concentration Cell as Ammonia Sensor with a New Method for Paper Hydrophobization by Laser Patterned ParafilmÂ®. Electroanalysis, 2019, 31, 632-638.	2.9	11
41	Bimetallic AuCu nanoclusters-based florescent chemosensor for sensitive detection of Fe3+ in environmental and biological systems. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 202-208.	3.9	31
42	Determination of enantiomeric excess of some amino acids by second-order calibration of kinetic-fluorescence data. Analytical Biochemistry, 2018, 550, 15-26.	2.4	13
43	Screening for linearly and nonlinearly related variables in predictive cheminformatic models. Journal of Chemometrics, 2018, 32, e3009.	1.3	9
44	Discrimination of Shirazi thyme from thymus species and antioxidant activity prediction using chemometrics and FT-IR spectroscopy. Journal of the Iranian Chemical Society, 2018, 15, 259-268.	2.2	2
45	Colorimetric determination of acidity constant using a paper-based microfluidic analytical device. Chemical Papers, 2018, 72, 1239-1247.	2.2	20
46	Qualitative and quantitative analysis of toxic materials in adulterated fruit pickle samples by a colorimetric sensor array. Sensors and Actuators B: Chemical, 2018, 257, 783-791.	7.8	42
47	An optoelectronic tongue based on anÂarray of gold and silver nanoparticles for analysis of natural, synthetic and biological antioxidants. Mikrochimica Acta, 2018, 185, 493.	5.0	42
48	Deep eutecticâ€“water binary solvent associations investigated by vibrational spectroscopy and chemometrics. Physical Chemistry Chemical Physics, 2018, 20, 18463-18473.	2.8	81
49	Assessment of cytotoxicity of choline chloride-based natural deep eutectic solvents against human HEK-293 cells: A QSAR analysis. Chemosphere, 2018, 209, 831-838.	8.2	90
50	Excitation- emission matrix fluorescence spectroscopy combined with three-way chemometrics analysis to follow denatured states of secondary structure of bovine serum albumin. Journal of Luminescence, 2018, 203, 90-99.	3.1	8
51	Evaluation of long-heating kinetic process of edible oils using ATRâ€“FTIR and chemometrics tools. Journal of Food Science and Technology, 2017, 54, 659-668.	2.8	8
52	Classification of Edible Oils Based on ATR-FTIR Spectral Information During a Long Heating Treatment. Journal of AOAC INTERNATIONAL, 2017, 100, 351-358.	1.5	4
53	A comparative study on the effect of ionic liquid composition on the contributions of faradaic current in ionic liquid carbon paste electrodes by chemometrics method. Journal of Electroanalytical Chemistry, 2017, 801, 22-29.	3.8	12
54	Synthesis and biological evaluation of quinazolinone-based hydrazones with potential use in Alzheimerâ€™s disease. Bioorganic Chemistry, 2017, 74, 126-133.	4.1	50

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55	Multi-structure docking analysis of BACE1 crystal structures and non-peptidic ligands. Journal of Molecular Graphics and Modelling, 2017, 76, 128-135.	2.4	6
56	Development of colorimetric sensor array for discrimination of herbal medicine. Journal of the Iranian Chemical Society, 2017, 14, 595-604.	2.2	14
57	The structural alteration and aggregation propensity of glycated lens crystallins in the presence of calcium: Importance of lens calcium homeostasis in development of diabetic cataracts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 170, 174-183.	3.9	6
58	The Effects of Different Ionic Liquid Coatings and the Length of Alkyl Chain on Antimicrobial and Cytotoxic Properties of Silver Nanoparticles. Iranian Endodontic Journal, 2017, 12, 481-487.	0.8	25
59	Antibiofilm Efficacy of Positively Charged Imidazolium-Based Silver Nanoparticles in Enterococcus faecalis Using Quantitative Real-Time PCR. Jundishapur Journal of Microbiology, 2017, 10, .	0.5	19
60	In Silico Screening of IL-1Î² Production Inhibitors Using Chemometric Tools. Iranian Journal of Pharmaceutical Research, 2017, 16, 513-524.	0.5	0
61	Charge Separation and Catalytic Activity of Fe₃O₄@Ag â€œNanospheresâ€• Photochemistry and Photobiology, 2016, 92, 61-68.	2.5	5
62	A time-insensitive colorimetric sensor for the determination of total protein. RSC Advances, 2016, 6, 52026-52033.	3.6	1
63	Efficient Onâ€“Off Ratiometric Fluorescence Probe for Cyanide Ion Based on Perturbation of the Interaction between Gold Nanoclusters and a Copper(II)-Phthalocyanine Complex. ACS Applied Materials & Interfaces, 2016, 8, 15177-15186.	8.0	86
64	Characterization of the interaction between a new merocyanine dye and bovine serum albumin. Journal of the Iranian Chemical Society, 2016, 13, 2309-2317.	2.2	5
65	Synthesis and characterization of glucose-capped CdSe quantum dots. Electrochemical and computational studies of corresponding carbon-ionic liquid electrode for quantitative determination of minoxidil. Journal of Electroanalytical Chemistry, 2016, 778, 116-125.	3.8	16
66	Prediction of the acid value, peroxide value and the percentage of some fatty acids in edible oils during long heating time by chemometrics analysis of FTIR-ATR spectra. Journal of the Iranian Chemical Society, 2016, 13, 2291-2299.	2.2	26
67	Reversible Photobleaching of Gold Nanoclusters: A Mechanistic Investigation. Journal of Physical Chemistry C, 2016, 120, 28215-28223.	3.1	14
68	QSAR study of diarylalkylimidazole and diarylalkyltriazole aromatase inhibitors. Medicinal Chemistry Research, 2016, 25, 834-842.	2.4	13
69	Photo-degradation study of dacarbazine by spectrophotometricâ€“chemometrics and HPLC methods. Journal of the Iranian Chemical Society, 2016, 13, 221-229.	2.2	8
70	Multi-response optimization of factors affecting ultrasonic assisted extraction from Iranian basil using central composite design. Food Chemistry, 2016, 190, 864-870.	8.2	71
71	The Structural Alteration and Aggregation of Bovine Lens Gamma-Crystallin by Homocysteinylation; The Pathomechanism Underlying Cataract Development During Hyperhomocysteinimia. Protein and Peptide Letters, 2015, 23, 78-86.	0.9	4
72	The Effect of Charge at the Surface of Silver Nanoparticles on Antimicrobial Activity against Gram-Positive and Gram-Negative Bacteria: A Preliminary Study. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	344

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73	Classification and assessment of antioxidant activity and phenolic content of different varieties of date palm (Phoenix dactylifera) fruits from Iran. Journal of the Iranian Chemical Society, 2015, 12, 1935-1943.	2.2	6
74	Liquid chromatographicâ€“mass spectrometric monitoring of photodegradation of diphenylamine using experimental design methodology. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 210-217.	3.9	14
75	Chemometrics investigation of the light-free degradation of methyl green and malachite green by starch-coated CdSe quantum dots. Journal of Industrial and Engineering Chemistry, 2015, 27, 384-390.	5.8	25
76	Digital videometrics analysis for the kinetic determination of dopamine in the presence of ascorbic acid based on the formation of silver nanoparticles. Analytical Methods, 2015, 7, 6318-6324.	2.7	6
77	Deriving calibration curves at early times of chronoamperograms using the chemometrically resolved net faradaic current. Journal of Electroanalytical Chemistry, 2015, 755, 221-227.	3.8	9
78	Chemometrics tools in QSAR/QSPR studies: A historical perspective. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 177-204.	3.5	104
79	Study of the interaction between human serum albumin and Mn-doped ZnS quantum dots. Journal of the Iranian Chemical Society, 2015, 12, 1729-1738.	2.2	51
80	Solute-induced perturbation of methanolâ€“water association. RSC Advances, 2015, 5, 71102-71108.	3.6	10
81	Determination of nanoparticles concentration by multivariate curve resolution. Chemometrics and Intelligent Laboratory Systems, 2015, 141, 88-93.	3.5	7
82	Positively charged imidazoliumâ€based ionic liquidâ€protected silver nanoparticles: a promising disinfectant in root canal treatment. International Endodontic Journal, 2015, 48, 790-800.	5.0	76
83	Photodegradation Study of Nystatin by UV-Vis Spectrophotometry and Chemometrics Modeling. Journal of AOAC INTERNATIONAL, 2014, 97, 1206-1212.	1.5	2
84	Process modeling of reduction and acetylation reactions by spectrophotometric and chemometrics methods. Journal of the Iranian Chemical Society, 2014, 11, 147-154.	2.2	2
85	A chemometrics approach to predict the dispersibility of graphene in various liquid phases using theoretical descriptors and solvent empirical parameters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 766-775.	4.7	19
86	ZnO nanoparticles and multiwalled carbon nanotubes modified carbon paste electrode for determination of naproxen using electrochemical techniques. Journal of Electroanalytical Chemistry, 2014, 714-715, 103-108.	3.8	68
87	Simultaneous measurement of leucine and isoleucine by multivariate image analysis-thin layer chromatography (MIA-TLC). Journal of the Iranian Chemical Society, 2014, 11, 1609-1617.	2.2	6
88	Mechanistic Investigation on Dynamic Interfacial Tension Between Crude Oil and Ionic Liquid Using Mass Transfer Concept. Journal of Dispersion Science and Technology, 2014, 35, 1483-1491.	2.4	35
89	BSA-modified gold nanoclusters for sensing of folic acid. Sensors and Actuators B: Chemical, 2014, 199, 42-46.	7.8	86
90	Identification of the Source of Geographical Origin of Iranian Crude Oil by Chemometrics Analysis of Fourier Transform Infrared Spectra. Energy & Fuels, 2014, 28, 761-765.	5.1	9

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91	A new insight into computational molecular design: A case study on BACE-1 inhibitors. Journal of Computational Methods in Sciences and Engineering, 2014, 14, 315-325.	0.2	1
92	Dynamic interfacial tension behavior between heavy crude oil and ionic liquid solution (1-dodecyl-3-methylimidazolium chloride ([C12mim][Cl]+distilled or saline water/heavy crude oil)) as a new surfactant. Journal of Molecular Liquids, 2013, 187, 83-89.	4.9	156
93	Label-free colorimetric detection of picomolar amounts of hydrazine using a gold nanoparticle-based assay. Journal of the Iranian Chemical Society, 2013, 10, 513-519.	2.2	7
94	Chemometrics assisted resolving of net faradaic current contribution from total current in potential step and staircase cyclic voltammetry. Analytica Chimica Acta, 2013, 766, 34-46.	5.4	16
95	Clustering of variables in regression analysis: a comparative study between different algorithms. Journal of Chemometrics, 2013, 27, 306-317.	1.3	18
96	Identification of discriminatory variables in proteomics data analysis by clustering of variables. Analytica Chimica Acta, 2013, 767, 35-43.	5.4	12
97	How conformational changes can affect catalysis, inhibition and drug resistance of enzymes with induced-fit binding mechanism such as the HIV-1 protease. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 867-873.	2.3	16
98	Design and synthesis of novel 3,5-bis-N-(aryl/heteroaryl) carbamoyl-4-aryl-1,4-dihydropyridines as small molecule BACE-1 inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 6893-6909.	3.0	21
99	Discrimination of edible oils and fats by combination of multivariate pattern recognition and FT-IR spectroscopy: A comparative study between different modeling methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 175-181.	3.9	51
100	pH-independent optical sensing of heparin based on ionic liquid-capped gold nanoparticles. Analyst, The, 2013, 138, 4830.	3.5	13
101	Effect of different families (imidazolium and pyridinium) of ionic liquids-based surfactants on interfacial tension of water/crude oil system. Fluid Phase Equilibria, 2013, 360, 139-145.	2.5	129
102	Determination of the empirical solvent polarity parameter E_T(30) by multivariate image analysis. Analytical Methods, 2013, 5, 891-896.	2.7	34
103	Interaction study of human serum albumin and ZnS nanoparticles using fluorescence spectrometry. Journal of Molecular Structure, 2013, 1037, 317-322.	3.6	36
104	Investigating the effect of ionic liquid (1-dodecyl-3-methylimidazolium chloride ([C12mim] [Cl])) on the water/oil interfacial tension as a novel surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 421, 63-71.	4.7	181
105	Affinity of Two Novel Five-Coordinated Anticancer Pt(II) Complexes to Human and Bovine Serum Albumins: A Spectroscopic Approach. Inorganic Chemistry, 2012, 51, 3454-3464.	4.0	287
106	Determination of the Acidity Constant of Drugs Using the Hardâ€“Soft Net Analyte Signal Method. Journal of Chemical & Engineering Data, 2012, 57, 2802-2810.	1.9	7
107	Electrochemical study of weak inclusion complex interactions by simultaneous MCR-ALS analyses of potential step-chronoamperometric data matrices. Analytical Methods, 2012, 4, 1776.	2.7	11
108	A novel approach for rapid determination of vitamin B12 in pharmaceutical preparations using BSA-modified gold nanoclusters. Analytical Methods, 2012, 4, 4155.	2.7	55

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109	Combined fluorescence spectroscopy and molecular modeling studies on the interaction between harmalol and human serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2012, 67-68, 201-208.	2.8	110
110	Multivariate Curve Resolution Alternating Least-Squares As a Tool for Analyzing Crude Oil Extracted Asphaltene Samples. Energy & Fuels, 2012, 26, 5663-5671.	5.1	22
111	Quantitative Structureâ€“Property Relationship Study to Predict Speed of Sound in Diverse Organic Solvents from Solvent Structural Information. Industrial & Engineering Chemistry Research, 2012, 51, 14884-14891.	3.7	10
112	Investigation of the interaction between amodiaquine and human serum albumin by fluorescence spectroscopy and molecular modeling. European Journal of Medicinal Chemistry, 2012, 54, 255-263.	5.5	111
113	Quantitative monitoring of the progress of organic reactions using multivariate image analysis-thin layer chromatography (MIA-TLC) method. Analytical Methods, 2012, 4, 933.	2.7	11
114	Antioxidant activity assay based on the inhibition of oxidation and photobleaching of l-cysteine-capped CdTe quantum dots. Analyst, The, 2012, 137, 4029.	3.5	25
115	Simultaneous spectrophotometric determination of paracetamol and paraâ€aminophenol in pharmaceutical dosage forms using two novel multivariate standard addition methods based on net analyte signal and rank annihilation factor analysis. Drug Testing and Analysis, 2012, 4, 507-514.	2.6	18
116	Quantitative structureâ€“retention relationship study of analgesic drugs by application of combined data splitting-feature selection strategy and genetic algorithm-partial least square. Journal of the Iranian Chemical Society, 2012, 9, 53-60.	2.2	15
117	New autocorrelation QTMS-based descriptors for use in QSAM of peptides. Journal of the Iranian Chemical Society, 2012, 9, 569-577.	2.2	19
118	Computer-aided design of novel antibacterial 3-hydroxypyridine-4-ones: application of QSAR methods based on the MOLMAP approach. Journal of Computer-Aided Molecular Design, 2012, 26, 349-361.	2.9	22
119	QSAR Study of 4â€Arylâ€4Hâ€Chromenes as a New Series of Apoptosis Inducers Using Different Chemometric Tools. Chemical Biology and Drug Design, 2012, 79, 442-458.	3.2	29
120	Effects of solvent and substituent on the electronic absorption spectra of some substituted Schiff bases: A chemometrics study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 198-205.	3.9	11
121	A segmented principal component analysisâ€”regression approach to QSAR study of peptides. Journal of Theoretical Biology, 2012, 305, 37-44.	1.7	18
122	Determination of amylose in Iranian rice by multivariate calibration of the surface plasmon resonance spectra of silver nanoparticles. Analyst, The, 2011, 136, 1760.	3.5	19
123	Assembly of Cyclometalated Platinum(II) Complexes via 1,1â€²-Bis(diphenylphosphino)ferrocene Ligand: Kinetics and Mechanisms. Organometallics, 2011, 30, 1466-1477.	2.3	27
124	In Vitro and In Vivo Antitumor Activities and DNA Binding Mode of Five Coordinated Cyclometalated Organoplatinum(II) Complexes Containing Biphosphine Ligands. Journal of Medicinal Chemistry, 2011, 54, 6166-6176.	6.4	72
125	Building optimal regression tree by ant colony systemâ€“genetic algorithm: Application to modeling of melting points. Analytica Chimica Acta, 2011, 704, 57-62.	5.4	23
126	Application of multivariate curve resolution analysis for studying the thermodynamics of methylene blue aggregations in aqueous solutions. Journal of the Iranian Chemical Society, 2011, 8, 166-175.	2.2	6

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127	Novel imidazolyl derivatives of 1,8-acridinedione as potential DNA-intercalating agents. Journal of the Iranian Chemical Society, 2011, 8, 1098-1112.	2.2	14
128	Effects of intramolecular hydrogen bonding and solvent composition on acidity of some dihydroxy-thioxanthone derivatives in methanolâ€“water binary solvents. Journal of Molecular Structure, 2011, 1006, 453-461.	3.6	1
129	Structural characterization of carbonyl compounds by IR spectroscopy and chemometrics data analysis. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 171-177.	3.5	17
130	Nepetalactones as chemotaxonomic markers in the essential oils of Nepeta species. Chemistry of Natural Compounds, 2011, 47, 843-847.	0.8	8
131	Novel amino acids indices based on quantum topological molecular similarity and their application to QSAR study of peptides. Amino Acids, 2011, 40, 1169-1183.	2.7	36
132	Toward an Optimal Approach for Variable Selection in Counterâ€Propagation Neural Networks: Modeling Proteinâ€Tyrosine Kinase Inhibitory of Flavanoids Using Substituent Electronic Descriptors. Molecular Informatics, 2011, 30, 939-949.	2.5	9
133	Construction of stable multivariate calibration models using unsupervised segmented principal component regression. Journal of Chemometrics, 2011, 25, 139-150.	1.3	13
134	Spectrophotometric study of complex formation equilibria in the presence of interference using hardâ€“soft net analyte signal method: Application to drugâ€“metal complexation. Analytica Chimica Acta, 2011, 683, 178-186.	5.4	10
135	Aggregation of imidazolium based ionic liquids in binary methanolâ€“water solvents: A linear solvation free energy relationship study. Journal of Molecular Liquids, 2011, 160, 35-39.	4.9	26
136	Spectrophotometric determination of carminic acid in human plasma and fruit juices by second order calibration of the absorbance spectraâ€“pH data matrices coupled with standard addition method. Analytica Chimica Acta, 2010, 667, 49-56.	5.4	29
137	Multi-wavelength spectrophotometric determination of acidity constant of some newly synthesized Schiff bases and their QSPR study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 340-346.	3.9	11
138	Estimating the rate constant in second-order kinetics using hard-soft-net analyte signal (HS-NAS) method. Chemometrics and Intelligent Laboratory Systems, 2010, 102, 35-44.	3.5	9
139	Comparative QSAR Studies on Toxicity of Phenol Derivatives Using Quantum Topological Molecular Similarity Indices. Chemical Biology and Drug Design, 2010, 75, 521-531.	3.2	10
140	Synthesis, characterization, and formation constant of hexacoordinate iron(III) complexes. Journal of Coordination Chemistry, 2010, 63, 124-135.	2.2	10
141	Multivariate image analysis-thin layer chromatography (MIA-TLC) for simultaneous determination of co-eluting components. Analyst, The, 2010, 135, 1747.	3.5	31
142	Application of MOLMAP approach for QSAR modeling of various biological activities using substituent electronic descriptors. Journal of Computational Chemistry, 2009, 30, 2001-2009.	3.3	2
143	Multivariate standard addition method solved by net analyte signal calculation and rank annihilation factor analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 1965-1975.	3.7	19
144	Quantitative structureâ€“reactivity relationship studies on the catalyzed Michael addition reactions. Journal of Physical Organic Chemistry, 2009, 22, 613-618.	1.9	17

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145	Combination of Ant Colony Optimization with Various Local Search Strategies. A Novel Method for Variable Selection in Multivariate Calibration and QSPR Study. QSAR and Combinatorial Science, 2009, 28, 1263-1275.	1.4	16
146	Synthesis, Evaluation of Pharmacological Activities and Quantitative Structureâ€“Activity Relationship Studies of a Novel Group of bis(4â€²Nitroarylâ€²1,4â€²dihyropyridine). Chemical Biology and Drug Design, 2009, 73, 225-235.	3.2	14
147	Quantitative Structureâ€“Activity Relationship Studies on 2â€²Aminoâ€²6â€²arylsulfonylbenzonitriles as Human Immunodeficiency Viruses Type 1 Reverse Transcriptase Inhibitors Using Descriptors Obtained from Substituents and Whole Molecular Structures. Chemical Biology and Drug Design, 2009, 74, 405-415.	3.2	5
148	Non-extraction flow injection determination of cationic surfactants using eriochrome black-T. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 794-798.	3.9	6
149	MCR-NAS: A combined hard-soft multivariate curve resolution method based on net analyte signal concept for modeling kinetic data with inert interference and baseline drift. Chemometrics and Intelligent Laboratory Systems, 2009, 98, 78-87.	3.5	11
150	QSPR models for half-wave reduction potential of steroids: A comparative study between feature selection and feature extraction from subsets of or entire set of descriptors. Analytica Chimica Acta, 2009, 634, 27-35.	5.4	37
151	A segmented principal component analysisâ€“regression approach to quantitative structureâ€“activity relationship modeling. Analytica Chimica Acta, 2009, 646, 30-38.	5.4	18
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