# Bahram Hemmateenejad

List of Publications by Year
in descending order



| 244 | 7,037 | 57719 | 91828 |
|---|---|---|---|
| papers | citations | 44 h-index | 69 g-index |

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. | 1.5 | 344 |
| 2 | 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. | 1.9 | 287 |
| 3 | 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. | 2.3 | 181 |
| 4 | Design, synthesis, antibacterial and QSAR studies of benzimidazole and imidazole chloroaryloxyalkyl derivatives. Bioorganic and Medicinal Chemistry, 2005, 13, 1931-1938. | 1.4 | 157 |
| 5 | 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. | 2.3 | 156 |
| 6 | 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. | 1.4 | 129 |
| 7 | Genetic Algorithm Applied to the Selection of Factors in Principal Component-Artificial Neural Networks:â€‰Application to QSAR Study of Calcium Channel Antagonist Activity of 1,4-Dihydropyridines (Nifedipine Analogous). Journal of Chemical Information and Computer Sciences, 2003, 43, 1328-1334. | 2.8 | 112 |
| 8 | 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. | 2.6 | 111 |
| 9 | 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. | 1.4 | 110 |
| 10 | A comparative study between PCR and PLS in simultaneous spectrophotometric determination of diphenylamine, aniline, and phenol: Effect of wavelength selection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 958-965. | 2.0 | 109 |
| 11 | Chemometrics tools in QSAR/QSPR studies: A historical perspective. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 177-204. | 1.8 | 104 |
| 12 | Cyclic voltammetric, computational, and quantitative structureâ€“electrochemistry relationship studies of the reduction of several 9,10-anthraquinone derivatives. Journal of Electroanalytical Chemistry, 2007, 600, 345-358. | 1.9 | 98 |
| 13 | Ant colony optimisation: a powerful tool for wavelength selection. Journal of Chemometrics, 2006, 20, 146-157. | 0.7 | 96 |
| 14 | QSAR study of the calcium channel antagonist activity of some recently synthesized dihydropyridine derivatives. An application of genetic algorithm for variable selection in MLR and PLS methods. Chemometrics and Intelligent Laboratory Systems, 2002, 64, 91-99. | 1.8 | 92 |
| 15 | Assessment of cytotoxicity of choline chloride-based natural deep eutectic solvents against human HEK-293 cells: A QSAR analysis. Chemosphere, 2018, 209, 831-838. | 4.2 | 90 |
| 16 | BSA-modified gold nanoclusters for sensing of folic acid. Sensors and Actuators B: Chemical, 2014, 199, 42-46. | 4.0 | 86 |
| 17 | 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. | 4.0 | 86 |
| 18 | Deep eutecticâ€“water binary solvent associations investigated by vibrational spectroscopy and chemometrics. Physical Chemistry Chemical Physics, 2018, 20, 18463-18473. | 1.3 | 81 |

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|---|---|---|---|
| 19 | Synthesis, cytotoxicity, QSAR, and intercalation study of new diindenopyridine derivatives. Bioorganic and Medicinal Chemistry, 2004, 12, 2529-2536. | 1.4 | 78 |
| 20 | Positively charged imidazoliumâ€based ionic liquidâ€protected silver nanoparticles: a promising disinfectant in root canal treatment. International Endodontic Journal, 2015, 48, 790-800. | 2.3 | 76 |
| 21 | 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. | 2.9 | 72 |
| 22 | Multi-response optimization of factors affecting ultrasonic assisted extraction from Iranian basil using central composite design. Food Chemistry, 2016, 190, 864-870. | 4.2 | 71 |
| 23 | 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. | 1.9 | 68 |
| 24 | Correlation ranking procedure for factor selection in PC-ANN modeling and application to ADMETox evaluation. Chemometrics and Intelligent Laboratory Systems, 2005, 75, 231-245. | 1.8 | 65 |
| 25 | Toward an Optimal Procedure for PC-ANN Model Building:Â Prediction of the Carcinogenic Activity of a Large Set of Drugs. Journal of Chemical Information and Modeling, 2005, 45, 190-199. | 2.5 | 65 |
| 26 | Synthesis, study of 3D structures, and pharmacological activities of lipophilic nitroimidazolyl-1,4-dihydropyridines as calcium channel antagonist. Bioorganic and Medicinal Chemistry, 2006, 14, 4842-4849. | 1.4 | 63 |
| 27 | Partial least squares-based multivariate spectral calibration method for simultaneous determination of beta-carboline derivatives in Peganum harmala seed extracts. Analytica Chimica Acta, 2006, 575, 290-299. | 2.6 | 62 |
| 28 | Solid-phase extraction and simultaneous determination of trace amounts of sulphonated and azo sulphonated dyes using microemulsion-modified-zeolite and multivariate calibration. Talanta, 2008, 75, 904-915. | 2.9 | 59 |
| 29 | Optimal QSAR analysis of the carcinogenic activity of drugs by correlation ranking and genetic algorithm-based PCR. Journal of Chemometrics, 2004, 18, 475-485. | 0.7 | 58 |
| 30 | A novel approach for rapid determination of vitamin B12 in pharmaceutical preparations using BSA-modified gold nanoclusters. Analytical Methods, 2012, 4, 4155. | 1.3 | 55 |
| 31 | 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. | 2.6 | 55 |
| 32 | Simultaneous spectrophotometric determinations of cobalt, nickel and copper using partial least squares based on singular value decomposition. Talanta, 1999, 49, 587-596. | 2.9 | 54 |
| 33 | Application ofab initio theory to QSAR study of 1,4-dihydropyridine-based calcium channel blockers using GA-MLR and PC-GA-ANN procedures. Journal of Computational Chemistry, 2004, 25, 1495-1503. | 1.5 | 52 |
| 34 | Application of ab initio theory for the prediction of acidity constants of some 1-hydroxy-9,10-anthraquinone derivatives using genetic neural network. Computational and Theoretical Chemistry, 2003, 635, 183-190. | 1.5 | 51 |
| 35 | Effect of the electronic and physicochemical parameters on the carcinogenesis activity of some sulfa drugs using QSAR analysis based on genetic-MLR and genetic-PLS. Chemosphere, 2007, 67, 2122-2130. | 4.2 | 51 |
| 36 | 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. | 2.0 | 51 |

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|---|---|---|---|
| 37 | Study of the interaction between human serum albumin and Mn-doped ZnS quantum dots. Journal of the Iranian Chemical Society, 2015, 12, 1729-1738. | 1.2 | 51 |
| 38 | Synthesis and biological evaluation of quinazolinone-based hydrazones with potential use in Alzheimerâ€™s disease. Bioorganic Chemistry, 2017, 74, 126-133. | 2.0 | 50 |
| 39 | Simultaneous spectrophotometric determination of carbamazepine and phenytoin in serum by PLS regression and comparison with HPLC. Talanta, 2004, 65, 21-8. | 2.9 | 49 |
| 40 | Modeling calcium channel antagonistic activity of dihydropyridine derivatives using QTMS indices analyzed by GA-PLS and PC-GA-PLS. Journal of Molecular Graphics and Modelling, 2008, 26, 1057-1065. | 1.3 | 48 |
| 41 | Net analyte signal-based simultaneous determination of antazoline and naphazoline using wavelength region selection by experimental design-neural networks. Talanta, 2006, 68, 1222-1229. | 2.9 | 47 |
| 42 | Quantitative structureâ€“property relationship study of acidity constants of some 9,10-anthraquinone derivatives using multiple linear regression and partial least-squares procedures. Talanta, 2001, 54, 1113-1120. | 2.9 | 45 |
| 43 | Multicomponent acidâ€“base titration by principal component-artificial neural network calibration. Analytica Chimica Acta, 2002, 461, 147-153. | 2.6 | 45 |
| 44 | An efficient variable selection method based on the use of external memory in ant colony optimization. Application to QSAR/QSPR studies. Analytica Chimica Acta, 2009, 646, 39-46. | 2.6 | 45 |
| 45 | ANN-QSAR Model of Drug-binding to Human Serum Albumin. Chemical Biology and Drug Design, 2007, 70, 19-29. | 1.5 | 44 |
| 46 | A study of the photo-degradation kinetics of nifedipine by multivariate curve resolution analysis. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 1013-1019. | 1.4 | 43 |
| 47 | Quantitative structureâ€“retention relationship for the Kovats retention indices of a large set of terpenes: A combined data splitting-feature selection strategy. Analytica Chimica Acta, 2007, 592, 72-81. | 2.6 | 43 |
| 48 | Accurate prediction of the blood-brain partitioning of a large set of solutes usingab initiocalculations and genetic neural network modeling. Journal of Computational Chemistry, 2006, 27, 1125-1135. | 1.5 | 42 |
| 49 | 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. | 4.0 | 42 |
| 50 | An optoelectronic tongue based on anÂarray of gold and silver nanoparticles for analysis of natural, synthetic and biological antioxidants. Mikrochimica Acta, 2018, 185, 493. | 2.5 | 42 |
| 51 | Structural Elucidation and Ultrasensitive Analyses of Volatile Organic Compounds by Paper-Based Nano-Optoelectronic Noses. ACS Sensors, 2019, 4, 1442-1451. | 4.0 | 42 |
| 52 | Dendrite gold nanostructures electrodeposited on paper fibers: Application to electrochemical non-enzymatic determination of glucose. Sensors and Actuators B: Chemical, 2020, 304, 127335. | 4.0 | 42 |
| 53 | Application of artificial neural network to simultaneous potentiometric determination of silver(I), mercury(II) and copper(II) ions by an unmodified carbon paste electrode. Talanta, 2004, 64, 590-596. | 2.9 | 40 |
| 54 | Quantitative Structure-Activity Relationship Study of Recently Synthesized 1, 4-Dihydropyridine Calcium Channel Antagonists. Application of the Hansch Analysis Method. Archiv Der Pharmazie, 2002, 335, 472-480. | 2.1 | 37 |

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|---|---|---|---|
| 55 | Spectrophotometric monitoring of nimesulide photodegradation by a combined hardâ€“soft multivariate curve resolution-alternative least square method. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 625-630. | 1.4 | 37 |
| 56 | 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. | 2.6 | 37 |
| 57 | Novel amino acids indices based on quantum topological molecular similarity and their application to QSAR study of peptides. Amino Acids, 2011, 40, 1169-1183. | 1.2 | 36 |
| 58 | Interaction study of human serum albumin and ZnS nanoparticles using fluorescence spectrometry. Journal of Molecular Structure, 2013, 1037, 317-322. | 1.8 | 36 |
| 59 | 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. | 1.3 | 35 |
| 60 | Ultrafast detection of infectious bacteria using optoelectronic nose based on metallic nanoparticles. Sensors and Actuators B: Chemical, 2020, 319, 128262. | 4.0 | 35 |
| 61 | Fibril formation of lysozyme upon interaction with sodium dodecyl sulfate at pH 9.2. Colloids and Surfaces B: Biointerfaces, 2007, 60, 55-61. | 2.5 | 34 |
| 62 | Determination of the empirical solvent polarity parameter E<sub>T</sub>(30) by multivariate image analysis. Analytical Methods, 2013, 5, 891-896. | 1.3 | 34 |
| 63 | Dihydropyridine Derivatives to Overcome Atypical Multidrug Resistance: Design, Synthesis, QSAR Studies, and Evaluation of Their Cytotoxic and Pharmacological Activities. Chemical Biology and Drug Design, 2007, 70, 337-346. | 1.5 | 33 |
| 64 | Cycloplatinated(II) Derivatives of Mercaptopurine Capable of Binding Interactions with HSA/DNA. Inorganic Chemistry, 2019, 58, 16154-16170. | 1.9 | 33 |
| 65 | Chemometrics-assisted spectrophotometric methods for simultaneous determination and complexation study of Fe(III), Al(III) and V(V) with morin in micellar media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 824-834. | 2.0 | 32 |
| 66 | Wavelet neural network-based QSPR for prediction of critical micelle concentration of Gemini surfactants. Analytica Chimica Acta, 2005, 531, 285-291. | 2.6 | 31 |
| 67 | Multivariate image analysis-thin layer chromatography (MIA-TLC) for simultaneous determination of co-eluting components. Analyst, The, 2010, 135, 1747. | 1.7 | 31 |
| 68 | 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. | 2.0 | 31 |
| 69 | Characterization and prediction of solute properties in methanolâ€“water association by chemometrics analysis of solvation data. Journal of Chemometrics, 2005, 19, 657-667. | 0.7 | 30 |
| 70 | Spectrophotometric determination of acidity constants by two-rank annihilation factor analysis. Analytica Chimica Acta, 2008, 607, 142-152. | 2.6 | 30 |
| 71 | 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. | 1.8 | 30 |
| 72 | Quantum Chemical-QSAR Study of Some Newly Synthesized 1,4-Dihydropyridine Calcium Channel Blockers. QSAR and Combinatorial Science, 2003, 22, 997-1005. | 1.5 | 29 |

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|---|---|---|---|
| 73 | 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. | 2.6 | 29 |
| 74 | 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. | 1.5 | 29 |
| 75 | A paper-based length of stain analytical device for naked eye (readout-free) detection of cystic fibrosis. Analytica Chimica Acta, 2019, 1080, 138-145. | 2.6 | 28 |
| 76 | Assembly of Cyclometalated Platinum(II) Complexes via 1,1â€²-Bis(diphenylphosphino)ferrocene Ligand: Kinetics and Mechanisms. Organometallics, 2011, 30, 1466-1477. | 1.1 | 27 |
| 77 | Conformational analysis of some new derivatives of 4-nitroimidazolyl-1,4-dihydropyridine-based calcium channel blockers. Computational and Theoretical Chemistry, 2005, 717, 139-152. | 1.5 | 26 |
| 78 | 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. | 2.3 | 26 |
| 79 | 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. | 1.2 | 26 |
| 80 | Chemometric studies of lysozyme upon interaction with sodium dodecyl sulfate and Î²-cyclodextrin. Colloids and Surfaces B: Biointerfaces, 2006, 52, 31-38. | 2.5 | 25 |
| 81 | Antioxidant activity assay based on the inhibition of oxidation and photobleaching of l-cysteine-capped CdTe quantum dots. Analyst, The, 2012, 137, 4029. | 1.7 | 25 |
| 82 | 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. | 2.9 | 25 |
| 83 | 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 |
| 84 | Detection and discrimination of antibiotics in food samples using a microfluidic paper-based optical tongue. Talanta, 2022, 241, 123242. | 2.9 | 25 |
| 85 | Use of multivariate curve resolution analysis in the spectroelectrochemistry of 9,10-anthraquinone reduction in dimethylformamide solution. Journal of Electroanalytical Chemistry, 2004, 570, 227-234. | 1.9 | 24 |
| 86 | A distinct intermediate of RNase A is induced by sodium dodecyl sulfate at its pKa. Colloids and Surfaces B: Biointerfaces, 2005, 43, 150-157. | 2.5 | 23 |
| 87 | Substituent electronic descriptors for fast QSAR/QSPR. Journal of Chemometrics, 2007, 21, 96-107. | 0.7 | 23 |
| 88 | Application of quantum topological molecular similarity descriptors in QSPR study of the O-methylation of substituted phenols. Journal of Computational Chemistry, 2008, 29, 266-274. | 1.5 | 23 |
| 89 | Building optimal regression tree by ant colony systemâ€“genetic algorithm: Application to modeling of melting points. Analytica Chimica Acta, 2011, 704, 57-62. | 2.6 | 23 |
| 90 | 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. | 2.0 | 23 |

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| 91 | 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. | 4.0 | 23 |
| 92 | 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. | 2.6 | 23 |
| 93 | An array of metallic nanozymes can discriminate and detect a large number of anions. Sensors and Actuators B: Chemical, 2021, 339, 129911. | 4.0 | 23 |
| 94 | Linear and nonlinear quantitative structureâ€“property relationship models for solubility of some anthraquinone, anthrone and xanthone derivatives in supercritical carbon dioxide. Analytica Chimica Acta, 2008, 610, 25-34. | 2.6 | 22 |
| 95 | Multivariate Curve Resolution Alternating Least-Squares As a Tool for Analyzing Crude Oil Extracted Asphaltene Samples. Energy & Fuels, 2012, 26, 5663-5671. | 2.5 | 22 |
| 96 | 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. | 1.3 | 22 |
| 97 | Colorimetric and visual determination of hydrogen peroxide and glucose by applying paper-based closed bipolar electrochemistry. Mikrochimica Acta, 2019, 186, 684. | 2.5 | 22 |
| 98 | Net analyte signalâ€“artificial neural network (NASâ€“ANN) model for efficient nonlinear multivariate calibration. Analytica Chimica Acta, 2005, 535, 275-285. | 2.6 | 21 |
| 99 | Molecular modeling and QSAR analysis of some 4,5-dichloroimidazolyl-1,4-DHP-based calcium channel blockers. Journal of the Iranian Chemical Society, 2007, 4, 182-193. | 1.2 | 21 |
| 100 | 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. | 1.4 | 21 |
| 101 | Simultaneous Determination of Promethazine, Chlorpromazine, and Perphenazine by Multivariate Calibration Methods and Derivative Spectrophotometry. Journal of AOAC INTERNATIONAL, 2002, 85, 555-562. | 0.7 | 20 |
| 102 | Synthesis, QSAR and Calcium Channel Modulator Activity of New Hexahydroquinoline Derivatives Containing Nitroimidazole. Chemical Biology and Drug Design, 2007, 70, 329-336. | 1.5 | 20 |
| 103 | Colorimetric determination of acidity constant using a paper-based microfluidic analytical device. Chemical Papers, 2018, 72, 1239-1247. | 1.0 | 20 |
| 104 | An All-in-One Solid State Thin-Layer Potentiometric Sensor and Biosensor Based on Three-Dimensional Origami Paper Microfluidics. Biosensors, 2021, 11, 44. | 2.3 | 20 |
| 105 | Paper-Based Optical Nose Made with Bimetallic Nanoparticles for Monitoring Ignitable Liquids in Gasoline. ACS Applied Materials & Interfaces, 2022, 14, 8333-8342. | 4.0 | 20 |
| 106 | QSAR Studies on the Anesthetic Action of Some Polyhalogenated Ethers. Chemical Biology and Drug Design, 2007, 69, 362-368. | 1.5 | 19 |
| 107 | Multivariate standard addition method solved by net analyte signal calculation and rank annihilation factor analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 1965-1975. | 1.9 | 19 |
| 108 | Determination of amylose in Iranian rice by multivariate calibration of the surface plasmon resonance spectra of silver nanoparticles. Analyst, The, 2011, 136, 1760. | 1.7 | 19 |

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| 109 | New autocorrelation QTMS-based descriptors for use in QSAM of peptides. Journal of the Iranian Chemical Society, 2012, 9, 569-577. | 1.2 | 19 |
| 110 | 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. | 2.3 | 19 |
| 111 | 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. | 2.0 | 19 |
| 112 | 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. | 2.6 | 19 |
| 113 | Antibiofilm Efficacy of Positively Charged Imidazolium-Based Silver Nanoparticles in Enterococcus faecalis Using Quantitative Real-Time PCR. Jundishapur Journal of Microbiology, 2017, 10, . | 0.2 | 19 |
| 114 | A segmented principal component analysisâ€“regression approach to quantitative structureâ€“activity relationship modeling. Analytica Chimica Acta, 2009, 646, 30-38. | 2.6 | 18 |
| 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. | 1.6 | 18 |
| 116 | A segmented principal component analysisâ€”regression approach to QSAR study of peptides. Journal of Theoretical Biology, 2012, 305, 37-44. | 0.8 | 18 |
| 117 | Clustering of variables in regression analysis: a comparative study between different algorithms. Journal of Chemometrics, 2013, 27, 306-317. | 0.7 | 18 |
| 118 | Title is missing!. Journal of Solution Chemistry, 2003, 32, 215-226. | 0.6 | 17 |
| 119 | Multiwavelength spectrophotometric determination of acidity constants of some azo dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 1-6. | 2.0 | 17 |
| 120 | Highly correlating distance/connectivity-based topological indices. Journal of Molecular Graphics and Modelling, 2008, 27, 506-511. | 1.3 | 17 |
| 121 | Quantitative structureâ€“reactivity relationship studies on the catalyzed Michael addition reactions. Journal of Physical Organic Chemistry, 2009, 22, 613-618. | 0.9 | 17 |
| 122 | Structural characterization of carbonyl compounds by IR spectroscopy and chemometrics data analysis. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 171-177. | 1.8 | 17 |
| 123 | Chemometrics-based LC-UV-ESIMS analyses of 50 Salvia species for detecting their antioxidant constituents. Journal of Pharmaceutical and Biomedical Analysis, 2021, 193, 113745. | 1.4 | 17 |
| 124 | Quantitative Structureâ€“Micellization Relationship Study of Gemini Surfactants Using Genetic-PLS and Genetic-MLR. QSAR and Combinatorial Science, 2004, 23, 416-425. | 1.5 | 16 |
| 125 | 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. | 1.5 | 16 |
| 126 | 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. | 2.6 | 16 |

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|---|---|---|---|
| 127 | 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. | 1.1 | 16 |
| 128 | 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. | 1.9 | 16 |
| 129 | Application of a self-modeling curve resolution method for studying the photodegradation kinetics of nitrendipine and felodipine. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 597-602. | 1.4 | 15 |
| 130 | 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. | 1.2 | 15 |
| 131 | A PLS-based extractive spectrophotometric method for simultaneous determination of carbamazepine and carbamazepine-10,11-epoxide in plasma and comparison with HPLC. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 718-724. | 2.0 | 14 |
| 132 | Exploring QSAR for Substituted 2â€Sulfonylâ€Phenylâ€Indol Derivatives as Potent and Selective COXâ€2 Inhibitors Using Different Chemometrics Tools. Chemical Biology and Drug Design, 2008, 72, 564-574. | 1.5 | 14 |
| 133 | Reversed-phase high performance liquid chromatography (RP-HPLC) characteristics of some 9,10-anthraquinone derivatives using binary acetonitrileâ€“water mixtures as mobile phase. Talanta, 2008, 77, 351-359. | 2.9 | 14 |
| 134 | Synthesis, Evaluation of Pharmacological Activities and Quantitative Structureâ€“Activity Relationship Studies of a Novel Group of bis(4â€Nitroarylâ€1,4â€dihyropyridine). Chemical Biology and Drug Design, 2009, 73, 225-235. | 1.5 | 14 |
| 135 | Novel imidazolyl derivatives of 1,8-acridinedione as potential DNA-intercalating agents. Journal of the Iranian Chemical Society, 2011, 8, 1098-1112. | 1.2 | 14 |
| 136 | Liquid chromatographicâ€“mass spectrometric monitoring of photodegradation of diphenylamine using experimental design methodology. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 210-217. | 2.0 | 14 |
| 137 | Reversible Photobleaching of Gold Nanoclusters: A Mechanistic Investigation. Journal of Physical Chemistry C, 2016, 120, 28215-28223. | 1.5 | 14 |
| 138 | Development of colorimetric sensor array for discrimination of herbal medicine. Journal of the Iranian Chemical Society, 2017, 14, 595-604. | 1.2 | 14 |
| 139 | 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. | 4.2 | 14 |
| 140 | Highly Correlating Distance-Connectivity-Based Topological Indices. 2: Prediction of 15 Properties of a Large Set of Alkanes Using a Stepwise Factor Selection-Based PCR Analysis. QSAR and Combinatorial Science, 2004, 23, 734-753. | 1.5 | 13 |
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