Eslam Pourbasheer

List of Publications by Year
in descending order

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82 papers	1,564 citations	279798 23 h-index	361022 35 g-index
83 all docs	83 docs citations	83 times ranked	1431 citing authors

#	Article	IF	Citations
1	Application of genetic algorithm-support vector machine (GA-SVM) for prediction of BK-channels activity. European Journal of Medicinal Chemistry, 2009, 44, 5023-5028.	5.5	93
2	Investigation of different linear and nonlinear chemometric methods for modeling of retention index of essential oil components: Concerns to support vector machine. Journal of Hazardous Materials, 2009, 166, 853-859.	12.4	90
3	QSRR Study of GC Retention Indices of Essential-Oil Compounds by Multiple Linear Regression with a Genetic Algorithm. Chromatographia, 2008, 67, 917-922.	1.3	62
4	QSAR modeling of antimalarial activity of urea derivatives using genetic algorithmâ€“multiple linear regressions. Journal of Saudi Chemical Society, 2016, 20, 282-290.	5.2	48
5	Synthesis of silica gel modified with 2,2â€²-(hexane-1,6-diylbis(oxy)) dibenzaldehyde as a new adsorbent for the removal of Reactive Yellow 84 and Reactive Blue 19 dyes from aqueous solutions: Equilibrium and thermodynamic studies. Powder Technology, 2017, 319, 60-70.	4.2	48
6	The comparison of partial least squares and principal component regression in simultaneous spectrophotometric determination of ascorbic acid, dopamine and uric acid in real samples. Arabian Journal of Chemistry, 2017, 10, S3451-S3458.	4.9	48
7	Anti-fouling and permeable polyvinyl chloride nanofiltration membranes embedded by hydrophilic graphene quantum dots for dye wastewater treatment. Journal of Water Process Engineering, 2020, 38, 101652.	5.6	47
8	Application of principal component-genetic algorithm-artificial neural network for prediction acidity constant of various nitrogen-containing compounds in water. Monatshefte FÃ¼r Chemie, 2009, 140, 15-27.	1.8	46
9	2D and 3D Quantitative Structureâ€“Activity Relationship Study of Hepatitis C Virus NS5B Polymerase Inhibitors by Comparative Molecular Field Analysis and Comparative Molecular Similarity Indices Analysis Methods. Journal of Chemical Information and Modeling, 2014, 54, 2902-2914.	5.4	46
10	Design of a novel optical sensor for determination of trace amounts of copper by UV/vis spectrophotometry in the real samples. Journal of Industrial and Engineering Chemistry, 2015, 26, 370-374.	5.8	41
11	Prediction of Melting Point for Drug-like Compounds Using Principal Component-Genetic Algorithm-Artificial Neural Network. Bulletin of the Korean Chemical Society, 2008, 29, 833-841.	1.9	41
12	QSAR study of VEGFR-2 inhibitors by using genetic algorithm-multiple linear regressions (GA-MLR) and genetic algorithm-support vector machine (GA-SVM): a comparative approach. Medicinal Chemistry Research, 2015, 24, 3037-3046.	2.4	39
13	Quantitative structureâ€“activity relationship (QSAR) study of interleukin-1 receptor associated kinase 4 (IRAK-4) inhibitor activity by the genetic algorithm and multiple linear regression (GA-MLR) method. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 844-853.	5.2	36
14	Prediction of basicity constants of various pyridines in aqueous solution using a principal component-genetic algorithm-artificial neural network. Monatshefte FÃ¼r Chemie, 2008, 139, 1423-1431.	1.8	32
15	QSAR study on melanocortin-4 receptors by support vector machine. European Journal of Medicinal Chemistry, 2010, 45, 1087-1093.	5.5	32
16	Adsorption equilibrium and thermodynamics of anionic reactive dyes from aqueous solutions by using a new modified silica gel with 2,2â€²-(pentane-1,5-diylbis(oxy))dibenzaldehyde. Chemical Engineering Research and Design, 2017, 123, 50-62.	5.6	32
17	Comparative Study of the Derivative and Partial Least Squares Methods Applied to the Spectrophotometric Simultaneous Determination of Atorvastatin and Amlodipine from their Combined Drug Products. Current Pharmaceutical Analysis, 2007, 3, 268-272.	0.6	29
18	Mixed hemimicelles solid-phase extraction based on sodium dodecyl sulfate (SDS)-coated nano-magnets for the spectrophotometric determination of Fingolomid in biological fluids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 599-604.	3.9	29

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19	QSPR study on solubility of some fullerenes derivatives using the genetic algorithms â€" Multiple linear regression. Journal of Molecular Liquids, 2015, 204, 162-169.	4.9	27
20	2,2â€™-(butane-1,4-diylbis(oxy))dibenzaldehyde cross-linked magnetic chitosan nanoparticles as a new adsorbent for the removal of reactive red 239 from aqueous solutions. Materials Chemistry and Physics, 2018, 212, 1-11.	4.0	27
21	Exploring QSARs for Antiviral Activity of 4â€Alkylaminoâ€6â€(2â€hydroxyethyl)â€2â€methylthiopyrimidines by Support Vector Machine. Chemical Biology and Drug Design, 2008, 72, 205-216.	3.2	26
22	Anti-fouling polyethersulfone nanofiltration membranes aided by amine-functionalized boron nitride nanosheets with improved separation performance. Journal of Environmental Chemical Engineering, 2020, 8, 104454.	6.7	26
23	Synthesis and characterization of new modified silica coated magnetite nanoparticles with bisaldehyde as selective adsorbents of Ag(<scp>i</scp>) from aqueous samples. RSC Advances, 2015, 5, 83304-83313.	3.6	25
24	Fluorescence resonance energy transfer between carbon quantum dots and silver nanoparticles: Application to mercuric ion sensing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 245, 118924.	3.9	24
25	QSAR study of Î±1Î²4 integrin inhibitors by GA-MLR and GA-SVM methods. Structural Chemistry, 2014, 25, 355-370.	2.0	23
26	QSAR Study of 2â€(1â€Propylpiperidinâ€4â€yl)â€1Hâ€Benzimidazoleâ€4â€Carboxamide as PARP Inhibitors for Treatment of Cancer. Chemical Biology and Drug Design, 2008, 72, 575-584.	3.2	22
27	QSAR study of IKKÎ² inhibitors by the genetic algorithm: multiple linear regressions. Medicinal Chemistry Research, 2014, 23, 57-66.	2.4	22
28	Geneticâ€Algorithmâ€Based Wavelength Selection in Multicomponent Spectrophotometric Determination by PLS: Application on Ascorbic Acid and Uric Acid Mixture. Journal of the Chinese Chemical Society, 2008, 55, 163-170.	1.4	20
29	QSAR study of C allosteric binding site of HCV NS5B polymerase inhibitors by support vector machine. Molecular Diversity, 2011, 15, 645-653.	3.9	20
30	Application of New Advanced Electrochemical Methods Combine with Nano-Based Materials Sensor in Drugs Analysis. Current Analytical Chemistry, 2016, 13, 70-80.	1.2	19
31	Simultaneous spectrophotometric determination of xanthine, hypoxanthine and uric acid in real matrix by orthogonal signal correction-partial least squares. Journal of the Iranian Chemical Society, 2011, 8, 1113-1119.	2.2	18
32	QSAR study on hERG inhibitory effect of kappa opioid receptor antagonists by linear and non-linear methods. Medicinal Chemistry Research, 2013, 22, 4047-4058.	2.4	18
33	3D-QSAR and docking studies on adenosine A_{2A}receptor antagonists by the CoMFA method. SAR and QSAR in Environmental Research, 2015, 26, 461-477.	2.2	18
34	Quantitative structure activity relationship study of p38Î± MAP kinase inhibitors. Arabian Journal of Chemistry, 2017, 10, 33-40.	4.9	18
35	Dispersive liquidâ€"liquid microextraction for preconcentration and determination of phenytoin in real samples using response surface methodology-high performance liquid chromatography. RSC Advances, 2014, 4, 62190-62196.	3.6	17
36	Simultaneous spectrophotometric determination of ceftazidime and sulbactam using multivariate calibration methods. RSC Advances, 2014, 4, 41039-41044.	3.6	17

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37	Prediction of Solubility of Fullerene C60in Various Organic Solvents by Genetic Algorithm-Multiple Linear Regression. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 585-598.	2.1	16
38	3D-QSAR and molecular docking study of LRRK2 kinase inhibitors by CoMFA and CoMSIA methods. SAR and QSAR in Environmental Research, 2016, 27, 385-407.	2.2	15
39	Development and Validation of a Rapid Chemometrics-Assisted Spectrophotometry and Liquid Chromatography Methods for the Simultaneous Determination of the Phenylalanine, Tryptophan and Tyrosine in the Pharmaceutical Products. Current Pharmaceutical Analysis, 2008, 4, 231-237.	0.6	15
40	Support Vector Machineâ€Based Quantitative Structureâ€“Activity Relationship Study of Cholesteryl Ester Transfer Protein Inhibitors. Chemical Biology and Drug Design, 2009, 73, 558-571.	3.2	14
41	Spectrophotometric simultaneous determination of ceratine, creatinine, and uric acid in real samples by orthogonal signal correctionâ€“partial least squares regression. Monatshefte FÃ¼r Chemie, 2009, 140, 685-691.	1.8	13
42	An efficient piecewise linear model for predicting activity of caspase-3 inhibitors. DARU, Journal of Pharmaceutical Sciences, 2012, 20, 31.	2.0	13
43	QSAR study of ACK1 inhibitors by genetic algorithmâ€“multiple linear regression (GAâ€“MLR). Journal of Saudi Chemical Society, 2014, 18, 681-688.	5.2	13
44	Prediction of PCE of fullerene (C 60) derivatives as polymer solar cell acceptors by genetic algorithmâ€“multiple linear regression. Journal of Industrial and Engineering Chemistry, 2015, 21, 1058-1067.	5.8	13
45	QSPR Study of the Distribution Coefficient Property for Hydantoin and 5â€Arylidene Derivatives. A Genetic Algorithm Application for the Variable Selection in the MLR and PLS Methods. Journal of the Chinese Chemical Society, 2008, 55, 1086-1093.	1.4	12
46	Optimization of dispersive liquidâ€“liquid microextraction combined with high performance liquid chromatography for the analysis of dipyridamole in water and urine samples. Monatshefte FÃ¼r Chemie, 2015, 146, 1593-1601.	1.8	11
47	Preconcentration and determination of ceftazidime in real samples using dispersive liquid-liquid microextraction and high-performance liquid chromatography with the aid of experimental design. Journal of Separation Science, 2016, 39, 4116-4123.	2.5	11
48	Development of a New Combined Chemometrics Method, Applied in the Simultaneous Voltammetric Determination of Cinnamic Acid and 3, 4-Dihydroxy Benzoic Acid. Current Analytical Chemistry, 2009, 5, 42-47.	1.2	10
49	3D-QSAR analysis of anti-cancer agents by CoMFA and CoMSIA. Medicinal Chemistry Research, 2014, 23, 800-809.	2.4	10
50	Application of Advanced Electrochemical Methods with Nanomaterial-based Electrodes as Powerful Tools for Trace Analysis of Drugs and Toxic Compounds. Current Analytical Chemistry, 2019, 15, 143-151.	1.2	10
51	QSAR study of Nav1.7 antagonists by multiple linear regression method based on genetic algorithm (GAâ€“MLR). Medicinal Chemistry Research, 2014, 23, 2264-2276.	2.4	9
52	Preconcentration and determination of 2â€mercaptobenzimidazole by dispersive liquidâ€“liquid microextraction and experimental design. Journal of Separation Science, 2017, 40, 2467-2473.	2.5	9
53	Design of a novel optical sensor for determination of trace amounts of copper by UVâ€“visible spectrophotometry in real samples. Applied Organometallic Chemistry, 2018, 32, e4110.	3.5	9
54	Molecular docking and 3D-QSAR studies on the MAPKAP-K2 inhibitors. Medicinal Chemistry Research, 2014, 23, 2252-2263.	2.4	8

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55	Analysis of B-Raf $$^{mathrm{V600E}}$$ V 600 E inhibitors using 2D and 3D-QSAR, molecular docking and pharmacophore studies. Molecular Diversity, 2015, 19, 915-930.	3.9	8
56	Catalytic activity and antibacterial properties of nanopolymer-supported copper complex for Câ€"N coupling reactions of amines and nitrogen-containing heterocycles with aryl halides. Monatshefte FÃ¼r Chemie, 2015, 146, 1329-1334.	1.8	8
57	Prediction of Superoxide Quenching Activity of Fullerene (C₆₀) Derivatives by Genetic Algorithm-Support Vector Machine. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 290-299.	2.1	8
58	QSAR study of CK2 inhibitors by GA-MLR and GA-SVM methods. Arabian Journal of Chemistry, 2019, 12, 2141-2149.	4.9	8
59	QSAR Study of 17Î²-HSD3 Inhibitors by Genetic Algorithm-Support Vector Machine as a Target Receptor for the Treatment of Prostate Cancer. Iranian Journal of Pharmaceutical Research, 2017, 16, 966-980.	0.5	8
60	Novel visible-light TiO2/Bi3O4Br photocatalysts with n-n heterojunction: Highly impressive performance for elimination of tetracycline and dye contaminants. Optical Materials, 2022, 123, 111831.	3.6	8
61	Quantitative Structureâ€"Activity Relationship Study on the Antiâ€HIVâ€1 Activity of Novel 6â€Naphthylthio HEPT Analogs. Chemical Biology and Drug Design, 2009, 74, 165-172.	3.2	7
62	Simultaneous Spectrophotometric Determination of 2â€Thiouracil and 2â€Mercaptobenzimidazole in Animal Tissue Using Multivariate Calibration Methods: Concerns and Rapid Methods for Detection. Journal of Food Science, 2010, 75, C135-9.	3.1	7
63	QSAR study of mGlu5 inhibitors by genetic algorithm-multiple linear regressions. Medicinal Chemistry Research, 2014, 23, 3082-3091.	2.4	7
64	QSAR study of HCV NS5B polymerase inhibitors using the genetic algorithm-multiple linear regression (GA-MLR). EXCLI Journal, 2016, 15, 38-53.	0.7	7
65	Biomimetic Electrochemical Sensors Based on Imprinted Polymers for Determination of Mercury Ion. Current Analytical Chemistry, 2016, 13, 62-69.	1.2	7
66	Synthesis, characterization, and molecular structures of Ni(II) and Cd(II) complexes derived from dithiophosphonate. Heteroatom Chemistry, 2016, 27, 353-360.	0.7	5
67	2D and 3D-QSAR analysis of pyrazole-thiazolinone derivatives as EGFR kinase inhibitors by CoMFA and CoMSIA. Current Computer-Aided Drug Design, 2016, 11, 292-303.	1.2	5
68	QSAR study on the histamine (H3) receptor antagonists using the genetic algorithm: Multi parameter linear regression. Journal of the Serbian Chemical Society, 2012, 77, 639-650.	0.8	4
69	Application of genetic algorithm - multiple linear regressions to predict the activity of RSK inhibitors. Journal of the Serbian Chemical Society, 2015, 80, 187-196.	0.8	4
70	QSAR study of prolylcarboxypeptidase inhibitors by genetic algorithm: Multiple linear regressions. Journal of Chemical Sciences, 2015, 127, 1243-1251.	1.5	4
71	Simple QSPR Modeling for Prediction of the GC Retention Indices of Essential Oil Compounds. Journal of Essential Oil-bearing Plants: JEOP, 2015, 18, 1298-1309.	1.9	3
72	3D-QSAR analysis of MCD inhibitors by CoMFA and CoMSIA. Combinatorial Chemistry and High Throughput Screening, 2015, 18, 751-766.	1.1	3

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73	Recent Advances in Biosensors Based Nanostructure for Pharmaceutical Analysis. Current Analytical Chemistry, 2019, 15, 152-158.	1.2	3
74	Simultaneous Spectrophotometric Determination of Aspirin and Dipyridamole in Pharmaceutical Formulations Using the Multivariate Calibration Methods. Current Pharmaceutical Analysis, 2018, 14, 419-425.	0.6	3
75	Magnetic solidâ€phase extraction and spectrophotometric determination of pseudoephedrine in real samples. Journal of the Chinese Chemical Society, 0, , .	1.4	3
76	Quantitative Structure-Activity Relationship Study of Amino Acid Derivatives as Histone Deacetylase Inhibitors using the Genetic Algorithm â€“ Multiple Linear Regression. Analytical Chemistry Letters, 2012, 2, 33-43.	1.0	2
77	Quantitative structure-retention relationship (QSRR) models for predicting the GC retention times of essential oil components. Acta Chromatographica, 2010, 22, 357-373.	1.3	2
78	Determination of Optimum Values of Descriptors to Set Filters for Synthetic Tri-Pyrrole Derivatives (Prodiginines) Against Multi Drug Resistant Strain of <i>Plasmodium Falciparum</i>. Current Research in Drug Discovery, 2014, 1, 51-59.	0.4	1
79	A quantitative structureâ€“activity relationship study on CXL017 derivatives as effective drugs for cancer treatment. Journal of the Chinese Chemical Society, 0, , .	1.4	1
80	Extraction of Trace Quantities of Copper Using Novel Modified Magnetite Nanoparticles for Atomic Absorption Spectrometry Analysis. Current Analytical Chemistry, 2022, 18, 907-913.	1.2	1
81	P0913 : Interactions study of HCV NSB5 polymerase inhibitors with NSB5 non-structured proteins toward better design of new inhibitors based on molecular docking and pharmacophore methods. Journal of Hepatology, 2015, 62, S687.	3.7	0
82	Synthesis, characterization, and molecular structures of Ni(II) and Cd(II) complexes derived from dithiophosphonate. Heteroatom Chemistry, 2017, 28, e21367.	0.7	0