

# Shahin Ahmadi

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,702  
citations

279798

23  
h-index

345221

36  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pistachio ( <i>Pistacia vera</i> ) waste as adsorbent for wastewater treatment: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8793-8811.	4.6	24
2	SMILES-Based QSAR and Molecular Docking Study of Oseltamivir Derivatives as Influenza Inhibitors. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 3257-3277.	2.6	4
3	Potential of using green adsorbent of humic acid removal from aqueous solutions: equilibrium, kinetics, thermodynamic and regeneration studies. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 5373-5390.	3.3	6
4	SMILES-based QSAR and molecular docking study of xanthone derivatives as $\hat{I}\pm$ -glucosidase inhibitors. <i>Journal of Receptor and Signal Transduction Research</i> , 2022, 42, 361-372.	2.5	11
5	Green synthesis of zero-valent iron nanoparticles and loading effect on activated carbon for furfural adsorption. <i>Chemosphere</i> , 2022, 287, 132114.	8.2	75
6	Quantitative structure–toxicity relationship models for predication of toxicity of ionic liquids toward leukemia rat cell line IPC-81 based on index of ideality of correlation. <i>Toxicology Mechanisms and Methods</i> , 2022, 32, 302-312.	2.7	16
7	Optimization of thermal and electrical efficiencies of a photovoltaic module using combined PCMs with a thermo-conductive filler. <i>Solar Energy</i> , 2022, 231, 283-296.	6.1	23
8	CORAL: Quantitative Structure Retention Relationship (QSRR) of flavors and fragrances compounds studied on the stationary phase methyl silicone OV-101 column in gas chromatography using correlation intensity index and consensus modelling. <i>Journal of Molecular Structure</i> , 2022, 1265, 133437.	3.6	14
9	Predictive QSAR modeling for the antioxidant activity of natural compounds derivatives based on Monte Carlo method. <i>Molecular Diversity</i> , 2021, 25, 87-97.	3.9	35
10	Novel electrochemical sensor based on modified glassy carbon electrode with graphene quantum dots, chitosan and nickel molybdate nanocomposites for diazinon and optimal design by the Taguchi method. <i>Microchemical Journal</i> , 2021, 160, 105628.	4.5	41
11	Effectiveness of graphene quantum dot nanoparticles in the presence of hydrogen peroxide for the removal of ciprofloxacin from aqueous media: response surface methodology. <i>Separation Science and Technology</i> , 2021, 56, 2124-2140.	2.5	6
12	Enhancing the Photocatalytic Properties of ZrO <sub>2</sub> /ZnO Nanocomposite Supported on Montmorillonite Clay for Photodegradation of Congo Red. <i>Journal of Electronic Materials</i> , 2021, 50, 2870-2878.	2.2	7
13	The predictive model for band gap prediction of metal oxide nanoparticles based on quasi-SMILES. <i>Structural Chemistry</i> , 2021, 32, 1893-1905.	2.0	14
14	Thermotolerance and Cellulolytic Activity of Fungi Isolated from Soils/Waste Materials in the Industrial Region of Nigeria. <i>Current Microbiology</i> , 2021, 78, 2660-2671.	2.2	2
15	The index of ideality of correlation: QSAR studies of hepatitis C virus NS3/4A protease inhibitors using SMILES descriptors. <i>SAR and QSAR in Environmental Research</i> , 2021, 32, 495-520.	2.2	17
16	A hybrid descriptor based QSPR model to predict the thermal decomposition temperature of imidazolium ionic liquids using Monte Carlo approach. <i>Journal of Molecular Liquids</i> , 2021, 338, 116465.	4.9	26
17	Magnetic dispersive solid phase extraction of ZEARalenone using Fe <sub>3</sub> O <sub>4</sub> @ hydroxy propyl methyl cellulose nanocomposite from wheat flour samples prior to fluorescence determination: Multivariate optimization by Taguchi design. <i>Microchemical Journal</i> , 2021, 170, 106682.	4.5	10
18	Increasing the electrical efficiency and thermal management of a photovoltaic module using expanded graphite (EG)/paraffin-beef tallow-coconut oil composite as phase change material. <i>Renewable Energy</i> , 2021, 178, 25-49.	8.9	35

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19	The Monte Carlo approach to model and predict the melting point of imidazolium ionic liquids using hybrid optimal descriptors. RSC Advances, 2021, 11, 33849-33857.	3.6	22
20	DFT based QSAR study on quinolone-triazole derivatives as antibacterial agents. Journal of Receptor and Signal Transduction Research, 2021, , 1-11.	2.5	5
21	Preparation, Physical Characterization and Adsorption Properties of Synthesized Co <sup>2+</sup> /Ni <sup>2+</sup> /Cr Nanocomposites for Highly Effective Removal of Nitrate: Isotherms, Kinetics and Thermodynamic Studies. Zeitschrift Fur Physikalische Chemie, 2020, 234, 45-62.	2.8	3
22	Mathematical modeling of cytotoxicity of metal oxide nanoparticles using the index of ideality correlation criteria. Chemosphere, 2020, 242, 125192.	8.2	76
23	Correlation intensity index: mathematical modeling of cytotoxicity of metal oxide nanoparticles. Nanotoxicology, 2020, 14, 1118-1126.	3.0	34
24	QSAR modelling of larvicidal phytocompounds against <i>Aedes aegypti</i> using index of ideality of correlation. SAR and QSAR in Environmental Research, 2020, 31, 717-739.	2.2	21
25	A Monte Carlo method based QSPR model for prediction of reaction rate constants of hydrated electrons with organic contaminants. SAR and QSAR in Environmental Research, 2020, 31, 935-950.	2.2	23
26	Acid Dye Removal from Aqueous Solution by Using Neodymium(III) Oxide Nanoadsorbents. Nanomaterials, 2020, 10, 556.	4.1	67
27	QSAR modeling of toxicities of ionic liquids toward Staphylococcus aureus using SMILES and graph invariants. Structural Chemistry, 2020, 31, 2257-2270.	2.0	23
28	Efficacy of persulfate-based advanced oxidation process (US/PS/Fe <sub>3</sub> O <sub>4</sub> ) for ciprofloxacin removal from aqueous solutions. Applied Water Science, 2020, 10, 1.	5.6	16
29	Hydrothermal synthesis of LaFeO <sub>3</sub> nanoparticles adsorbent: Characterization and application of error functions for adsorption of fluoride. MethodsX, 2020, 7, 100786.	1.6	39
30	Modeling of adsorption of Methylene Blue dye on Ho-CaWO <sub>4</sub> nanoparticles using Response Surface Methodology (RSM) and Artificial Neural Network (ANN) techniques. MethodsX, 2019, 6, 1779-1797.	1.6	122
31	Error analysis of adsorption isotherm models for penicillin G onto magnesium oxide nanoparticles. Applied Water Science, 2019, 9, 1.	5.6	13
32	The application of thermally activated persulfate for degradation of Acid Blue 92 in aqueous solution. International Journal of Industrial Chemistry, 2019, 10, 249-260.	3.1	45
33	Adsorption of arsenic (V) from aqueous solution using modified saxaul ash: isotherm and thermodynamic study. Applied Water Science, 2019, 9, 1.	5.6	52
34	The survey of application of the linear and nonlinear kinetic models for the adsorption of nickel(II) by modified multi-walled carbon nanotubes. Applied Water Science, 2019, 9, 1.	5.6	25
35	Adsorption of bovine serum albumin (BSA) by bare magnetite nanoparticles with surface oxidative impurities that prevent aggregation. Canadian Journal of Chemistry, 2019, 97, 577-583.	1.1	18
36	Structure-activity relationship of the radical scavenging activities of some natural antioxidants based on the graph of atomic orbitals. Journal of Molecular Structure, 2019, 1191, 165-174.	3.6	23

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37	Degradation of aniline by the combined process of ultrasound and hydrogen peroxide (US/H <sub>2</sub> O <sub>2</sub> ). <i>MethodsX</i> , 2019, 6, 492-499.	1.6	24
38	Polypyrrole- $\epsilon$ -modified magnetic nanoparticles and high-performance liquid chromatography for determination of glibenclamide from biological fluids. <i>IET Nanobiotechnology</i> , 2019, 13, 503-509.	3.8	12
39	Adsorption of Ciprofloxacin from Aqueous Environment by Using Synthesized Nanoceria. <i>Ecological Chemistry and Engineering S</i> , 2019, 26, 299-311.	1.5	11
40	Simultaneous magnetic dispersive micro solid phase extraction of valsartan and atorvastatin using a CMC-coated Fe <sub>3</sub> O <sub>4</sub> nanocomposite prior to HPLC-UV detection: multivariate optimization. <i>New Journal of Chemistry</i> , 2019, 43, 16950-16959.	2.8	10
41	Data on the removal of fluoride from aqueous solutions using synthesized P <sup>13</sup> -Fe <sub>2</sub> O <sub>3</sub> nanoparticles: A novel adsorbent. <i>MethodsX</i> , 2019, 6, 98-106.	1.6	22
42	Prediction of chalcone derivative cytotoxicity activity against MCF-7 human breast cancer cell by Monte Carlo method. <i>Journal of Molecular Structure</i> , 2019, 1181, 305-311.	3.6	34
43	Application of response surface methodology in the degradation of Reactive Blue 19 using H <sub>2</sub> O <sub>2</sub> /MgO nanoparticles advanced oxidation process. <i>International Journal of Industrial Chemistry</i> , 2018, 9, 241-253.	3.1	45
44	Adsorptive removal of phenol and aniline by modified bentonite: adsorption isotherm and kinetics study. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	56
45	Prediction of the adsorption coefficients of some aromatic compounds on multi-wall carbon nanotubes by the Monte Carlo method. <i>SAR and QSAR in Environmental Research</i> , 2018, 29, 895-909.	2.2	42
46	Polypyrrole- $\epsilon$ -modified magnetic nanoparticles for preconcentration of atorvastatin in human serum prior to its determination using high-performance liquid chromatography. <i>Micro and Nano Letters</i> , 2018, 13, 1425-1430.	1.3	10
47	Prediction of anti-cancer activity of 1,8-naphthyridin derivatives by using of genetic algorithm-stepwise multiple linear regression. <i>Medical Sciences Journal</i> , 2018, 28, 181-194.	0.0	1
48	QSAR Modeling of the Arylthioindole Class of Colchicine Polymerization Inhibitors as Anticancer Agents. <i>Current Computer-Aided Drug Design</i> , 2017, 13, 143-159.	1.2	11
49	Application of GA-MLR for QSAR Modeling of the Arylthioindole Class of Tubulin Polymerization Inhibitors as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 552-565.	1.7	19
50	Treatment of Textile Wastewater Using a Combined Coagulation and DAF Processes, Iran, 2016. , 2017, 6, 229-234.		15
51	Survey of Efficiency of Dissolved Air Flotation in Removal Penicillin G Potassium from Aqueous Solutions. <i>British Journal of Pharmaceutical Research</i> , 2017, 15, 1-11.	0.4	13
52	Genetic Algorithm and Self-Organizing Maps for QSPR Study of Some N-aryl Derivatives as Butyrylcholinesterase Inhibitors. <i>Current Drug Discovery Technologies</i> , 2016, 13, 232-253.	1.2	13
53	Application of self organizing maps and GA-MLR for the estimation of stability constant of 18-crown-6 ether derivatives with sodium cation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 141-149.	1.6	15
54	Development of an Automatic Calibration Tool Using Genetic Algorithm for the ARNO Conceptual Rainfall-Runoff Model. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 2535-2549.	1.1	17

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55	Quantitative structure–property relationship study on the intercalation of anticancer drugs with ct-DNA. <i>Medicinal Chemistry Research</i> , 2014, 23, 1148-1161.	2.4	21
56	A new daily weather generator to preserve extremes and low-frequency variability. <i>Climatic Change</i> , 2013, 119, 631-645.	3.6	18
57	The dimerization study of some cationic monomethine cyanine dyes by chemometrics method. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1974-1981.	0.6	4
58	Application of GA-MLR method in QSPR modeling of stability constants of diverse 15-crown-5 complexes with sodium cation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 74, 57-66.	1.6	17
59	A QSPR Study of Association Constants of Macrocycles toward Sodium Cation. <i>Macroheterocycles</i> , 2012, 5, 23-31.	0.5	13
60	QSPR Modeling of Stability Constants of the Li-Hemispherands Complexes Using MLR: A Theoretical Host-Guest Study. <i>Macroheterocycles</i> , 2010, 3, 234-242.	0.5	14
61	Spectroscopic Characterization of Thiazole Orange-3 DNA Interaction. <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 9-22.	2.9	25
62	Combination of Genetic Algorithm and Partial Least Squares for Cloud Point Prediction of Nonionic Surfactants from Molecular Structures. <i>Annali Di Chimica</i> , 2007, 97, 69-83.	0.6	29
63	Simultaneous determination of copper, nickel, cobalt and zinc using zincon as a metallochromic indicator with partial least squares. <i>Analytica Chimica Acta</i> , 2003, 487, 181-188.	5.4	71
64	Determination of Acidity Constants of 4-(2-Pyridylazo)resorcinol in Binary Acetonitrile + Water Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 1178-1182.	1.9	36
65	Removal of Reactive Blue 19 Dye Using a Combined Sonochemical and Modified Pistachio Shell Adsorption Processes from Aqueous Solutions. <i>UlÅ«m-i BihdÅshtÅ«-i ÅrÅn</i> , 0, , .	0.1	5
66	Study survey of cupric oxide nanoparticles in removal efficiency of ciprofloxacin antibiotic from aqueous solution: adsorption isotherm study. , 0, , 297-303.		60
67	Efficiency of sono-nano-catalytic process of magnesium oxide nanoparticle in removal of penicillin G from aqueous solution. , 0, 106, 330-335.		26