

# Abdol Mohammad Ghaedi

## List of Publications by Year in descending order

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57  
papers

3,254  
citations

126907

33  
h-index

149698

56  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oily wastewater treatment by blend polyether imide-sulfonated poly (ether ether keton) hollow fibre membrane through a side-stream MBR process. <i>Water and Environment Journal</i> , 2022, 36, 469-483.	2.2	3
2	Influence of donor-acceptor groups on the electrical and optical properties of C50 fullerene. <i>Journal of Molecular Modeling</i> , 2022, 28, 7.	1.8	4
3	Removal of hydrochlorothiazide from molecular liquids using carbon nanotubes: Radial basis function neural network modeling and culture algorithm optimization. <i>Journal of Molecular Liquids</i> , 2021, 324, 114766.	4.9	9
4	Optimization of Tartrazine Adsorption onto Polypyrrole/SrFe <sub>2</sub> O <sub>9</sub> /Graphene Oxide Nanocomposite Using Central Composite Design and Bat Inspired Algorithm with the Aid of Artificial Neural Networks. <i>Fibers and Polymers</i> , 2021, 22, 159-170.	2.1	15
5	Regression and mathematical modeling of fluoride ion adsorption from contaminated water using a magnetic versatile biomaterial & chelating agent: Insight on production & experimental approaches, mechanism and effects of potential interferers. <i>Journal of Molecular Liquids</i> , 2020, 315, 113653.	4.9	33
6	A high-flux P84 polyimide mixed matrix membranes incorporated with cadmium-based metal organic frameworks for enhanced simultaneous dyes removal: Response surface methodology. <i>Environmental Research</i> , 2020, 183, 109278.	7.5	39
7	A Thin Film Nanocomposite Reverse Osmosis Membrane Incorporated with $\beta$ Zeolite Nanoparticles for Water Desalination. <i>ChemistrySelect</i> , 2020, 5, 1972-1975.	1.5	7
8	Rapid extraction of copper ions in water, tea, milk and apple juice by solvent-terminated dispersive liquid-liquid microextraction using p-sulfonatocalix (4) arene: optimization by artificial neural networks coupled bat inspired algorithm and response surface methodology. <i>Journal of Food Science and Technology</i> , 2019, 56, 4224-4232.	2.8	4
9	Simultaneous extraction of Cu <sup>2+</sup> and Cd <sup>2+</sup> ions in water, wastewater, and food samples using solvent-terminated dispersive liquid-liquid microextraction: optimization by multiobjective evolutionary algorithm based on decomposition. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 287.	2.7	6
10	Bees metaheuristic algorithm with the aid of artificial neural networks for optimization of acid red 27 dye adsorption onto novel polypyrrole/SrFe <sub>2</sub> O <sub>9</sub> /graphene oxide nanocomposite. <i>Polymer Bulletin</i> , 2019, 76, 6529-6553.	3.3	19
11	Rapid room-temperature synthesis of cadmium zeolitic imidazolate framework nanoparticles based on 1,1'-carbonyldiimidazole as ultra-high-efficiency adsorbent for ultrasound-assisted removal of malachite green dye. <i>Applied Surface Science</i> , 2019, 467-468, 1204-1212.	6.1	36
12	Optimization and modeling of simultaneous ultrasound-assisted adsorption of ternary dyes using copper oxide nanoparticles immobilized on activated carbon using response surface methodology and artificial neural network. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 264-280.	8.2	57
13	Optimization of Solvent Terminated Dispersive Liquid-Liquid Microextraction of Copper Ions in Water and Food Samples Using Artificial Neural Networks Coupled Bees Algorithm. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 402-408.	2.7	20
14	Multi-responses optimization of simultaneous adsorption of methylene blue and malachite green dyes in binary aqueous system onto Ni:FeO(OH)-NWS-AC using experimental design: derivative spectrophotometry method. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4148.	3.5	15
15	Application of copper sulfide nanoparticles loaded activated carbon for simultaneous adsorption of ternary dyes: Response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1108-1118.	2.7	8
16	Application of artificial neural network for comparison and modeling of the ultrasonic and stirrer assisted removal of anionic dye using activated carbon supported with nanostructure material. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4050.	3.5	2
17	Factorial experimental design for the optimization of highly selective adsorption removal of lead and copper ions using metal organic framework MOF-2 (Cd). <i>Journal of Molecular Liquids</i> , 2018, 272, 15-26.	4.9	98
18	Comparison of multiple linear regression and group method of data handling models for predicting sunset yellow dye removal onto activated carbon from oak tree wood. <i>Environmental Technology and Innovation</i> , 2018, 11, 262-275.	6.1	21

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19	Applications of artificial neural networks for adsorption removal of dyes from aqueous solution: A review. <i>Advances in Colloid and Interface Science</i> , 2017, 245, 20-39.	14.7	220
20	Ultrasound assisted extraction of Maxilon Red GRL dye from water samples using cobalt ferrite nanoparticles loaded on activated carbon as sorbent: Optimization and modeling. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 672-680.	8.2	68
21	Modeling and optimization of Hg <sup>2+</sup> ion biosorption by live yeast <i>Yarrowia lipolytica</i> 70562 from aqueous solutions under artificial neural network-genetic algorithm and response surface methodology: kinetic and equilibrium study. <i>RSC Advances</i> , 2016, 6, 54149-54161.	3.6	90
22	Trace determination of safranin O dye using ultrasound assisted dispersive solid-phase micro extraction: Artificial neural network-genetic algorithm and response surface methodology. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 129-140.	8.2	81
23	Flotation-assisted dispersive liquid-liquid microextraction method for preconcentration and determination of trace amounts of cobalt: Orthogonal array design. <i>Journal of Analytical Chemistry</i> , 2016, 71, 535-541.	0.9	13
24	Modeling and optimization of simultaneous removal of ternary dyes onto copper sulfide nanoparticles loaded on activated carbon using second-derivative spectrophotometry. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 212-224.	5.3	91
25	A random forest approach for predicting the removal of Congo red from aqueous solutions by adsorption onto tin sulfide nanoparticles loaded on activated carbon. <i>Desalination and Water Treatment</i> , 2016, 57, 9272-9285.	1.0	35
26	Adsorption of Triamterene on multi-walled and single-walled carbon nanotubes: Artificial neural network modeling and genetic algorithm optimization. <i>Journal of Molecular Liquids</i> , 2016, 216, 654-665.	4.9	70
27	Optimization of the process parameters for the adsorption of ternary dyes by Ni doped FeO(OH)-NWs/AC using response surface methodology and an artificial neural network. <i>RSC Advances</i> , 2016, 6, 19768-19779.	3.6	95
28	Modeling of quaternary dyes adsorption onto ZnO/AC artificial neural network: Analysis by derivative spectrophotometry. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 186-197.	5.8	240
29	Simple and facile sonochemical synthesis of lead oxide nanoparticles loaded activated carbon and its application for methyl orange removal from aqueous phase. <i>Journal of Molecular Liquids</i> , 2016, 213, 48-57.	4.9	28
30	Application of least squares support vector regression and linear multiple regression for modeling removal of methyl orange onto tin oxide nanoparticles loaded on activated carbon and activated carbon prepared from <i>Pistacia atlantica</i> wood. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 425-434.	9.4	99
31	Application of artificial neural network and response surface methodology for the removal of crystal violet by zinc oxide nanorods loaded on activate carbon: kinetics and equilibrium study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 210-220.	5.3	122
32	Random forest model for removal of methylene blue and lead(II) ion using activated carbon obtained from Tamarisk. <i>Desalination and Water Treatment</i> , 2016, 57, 19273-19291.	1.0	9
33	Highly efficient simultaneous ultrasonic assisted adsorption of brilliant green and eosin B onto ZnS nanoparticles loaded activated carbon: Artificial neural network modeling and central composite design optimization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 257-267.	3.9	160
34	Synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> /ZnO/ZnFe <sub>2</sub> O <sub>4</sub> /carbon nanocomposite and its application to removal of bromophenol blue dye using ultrasonic assisted method: Optimization by response surface methodology and genetic algorithm. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 275-284.	5.3	43
35	Predicting the cytotoxicity of ionic liquids using QSAR model based on SMILES optimal descriptors. <i>Journal of Molecular Liquids</i> , 2015, 208, 269-279.	4.9	40
36	Isotherm and kinetics study of malachite green adsorption onto copper nanowires loaded on activated carbon: Artificial neural network modeling and genetic algorithm optimization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 135-149.	3.9	96

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37	Adsorption of copper (II) using modified activated carbon prepared from Pomegranate wood: Optimization by bee algorithm and response surface methodology. <i>Journal of Molecular Liquids</i> , 2015, 206, 195-206.	4.9	103
38	Simultaneous prediction of the thermodynamic properties of aqueous solution of ethylene glycol monoethyl ether using artificial neural network. <i>Journal of Molecular Liquids</i> , 2015, 207, 327-333.	4.9	30
39	Artificial neural network and Bees Algorithm for removal of Eosin B using Cobalt Oxide Nanoparticle-activated carbon: Isotherm and Kinetics study. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 155-168.	2.3	30
40	Comparison of ultrasonic with stirrer performance for removal of sunset yellow (SY) by activated carbon prepared from wood of orange tree: Artificial neural network modeling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 789-799.	3.9	43
41	A hybrid artificial neural network and particle swarm optimization for prediction of removal of hazardous dye brilliant green from aqueous solution using zinc sulfide nanoparticle loaded on activated carbon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1004-1015.	3.9	118
42	Artificial neural network (ANN) method for modeling of sunset yellow dye adsorption using zinc oxide nanorods loaded on activated carbon: Kinetic and isotherm study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 1-9.	3.9	82
43	Adaptive neuro-fuzzy inference system model for adsorption of 1,3,4-thiadiazole-2,5-dithiol onto gold nanoparticle-activated carbon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 606-614.	3.9	56
44	Least square-support vector (LS-SVM) method for modeling of methylene blue dye adsorption using copper oxide loaded on activated carbon: Kinetic and isotherm study. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1641-1649.	5.8	128
45	Modeling of reactive orange 12 (RO 12) adsorption onto gold nanoparticle-activated carbon using artificial neural network optimization based on an imperialist competitive algorithm. <i>Journal of Molecular Liquids</i> , 2014, 195, 219-229.	4.9	51
46	Artificial neural network and particle swarm optimization for removal of methyl orange by gold nanoparticles loaded on activated carbon and Tamarisk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 639-654.	3.9	69
47	[bmim]BF <sub>4</sub> /[Cu(Im) <sub>2</sub> ]CuCl <sub>2</sub> as a novel catalytic reaction medium for click cyclization. <i>Comptes Rendus Chimie</i> , 2014, 17, 570-576.	0.5	22
48	Principal component analysis-artificial neural network and genetic algorithm optimization for removal of reactive orange 12 by copper sulfide nanoparticles-activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 787-795.	5.8	48
49	Artificial neural network "Imperialist competitive algorithm based optimization for removal of sunset yellow using Zn(OH) <sub>2</sub> nanoparticles-activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4332-4343.	5.8	55
50	Random forest model for removal of bromophenol blue using activated carbon obtained from <i>Astragalus bisulcatus</i> tree. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1793-1803.	5.8	96
51	Artificial neural network-genetic algorithm based optimization for the adsorption of methylene blue and brilliant green from aqueous solution by graphite oxide nanoparticle. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 264-277.	3.9	105
52	Principal component analysis- adaptive neuro-fuzzy inference system modeling and genetic algorithm optimization of adsorption of methylene blue by activated carbon derived from <i>Pistacia khinjuk</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013, 96, 110-117.	6.0	82
53	Macroporous polymer supported azide and nanocopper (I): efficient and reusable reagent and catalyst for multicomponent click synthesis of 1,4-disubstituted-1H-1,2,3-triazoles from benzyl halides. <i>SpringerPlus</i> , 2013, 2, 64.	1.2	29
54	Artificial Neural Network, Equilibrium, Kinetics and Thermodynamics Modeling of Reactive Orange 12 Dye Using Rice Husk. <i>Asian Journal of Chemistry</i> , 2013, 25, 817-826.	0.3	1

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55	Chemical cleaning of reverse osmosis and nanofiltration membranes fouled by licorice aqueous solutions. <i>Desalination</i> , 2011, 267, 93-100.	8.2	48
56	Concentration of licorice aqueous solutions using nanofiltration and reverse osmosis membranes. <i>Separation and Purification Technology</i> , 2010, 75, 121-126.	7.9	18
57	Random forest modeling for the kinetic and isotherm study of malachite green adsorption from aqueous environments using zinc sulfide nanoparticle loaded with activated carbon. , 0, , 258-273.		3