Abdol Mohammad Ghaedi

List of Publications by Year
in descending order

57	3,254	126907	149698
papers	citations	33 h-index	56 g-index

59	59	59	3337
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling of quaternary dyes adsorption onto ZnOâ€“NRâ€“AC artificial neural network: Analysis by derivative spectrophotometry. Journal of Industrial and Engineering Chemistry, 2016, 34, 186-197.	5.8	240
2	Applications of artificial neural networks for adsorption removal of dyes from aqueous solution: A review. Advances in Colloid and Interface Science, 2017, 245, 20-39.	14.7	220
3	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 257-267.	3.9	160
4	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. Journal of Industrial and Engineering Chemistry, 2014, 20, 1641-1649.	5.8	128
5	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. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 210-220.	5.3	122
6	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1004-1015.	3.9	118
7	Artificial neural network-genetic algorithm based optimization for the adsorption of methylene blue and brilliant green from aqueous solution by graphite oxide nanoparticle. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 264-277.	3.9	105
8	Adsorption of copper (II) using modified activated carbon prepared from Pomegranate wood: Optimization by bee algorithm and response surface methodology. Journal of Molecular Liquids, 2015, 206, 195-206.	4.9	103
9	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 Pistacia atlantica wood. Journal of Colloid and Interface Science, 2016, 461, 425-434.	9.4	99
10	Factorial experimental design for the optimization of highly selective adsorption removal of lead and copper ions using metal organic framework MOF-2 (Cd). Journal of Molecular Liquids, 2018, 272, 15-26.	4.9	98
11	Random forest model for removal of bromophenol blue using activated carbon obtained from Astragalus bisulcatus tree. Journal of Industrial and Engineering Chemistry, 2014, 20, 1793-1803.	5.8	96
12	Isotherm and kinetics study of malachite green adsorption onto copper nanowires loaded on activated carbon: Artificial neural network modeling and genetic algorithm optimization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 135-149.	3.9	96
13	Optimization of the process parameters for the adsorption of ternary dyes by Ni doped FeO(OH)-NWsâ€“AC using response surface methodology and an artificial neural network. RSC Advances, 2016, 6, 19768-19779.	3.6	95
14	Modeling and optimization of simultaneous removal of ternary dyes onto copper sulfide nanoparticles loaded on activated carbon using second-derivative spectrophotometry. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 212-224.	5.3	91
15	Modeling and optimization of Hg²⁺ ion biosorption by live yeast Yarrowia lipolytica 70562 from aqueous solutions under artificial neural network-genetic algorithm and response surface methodology: kinetic and equilibrium study. RSC Advances, 2016, 6, 54149-54161.	3.6	90
16	Principal component analysis- adaptive neuro-fuzzy inference system modeling and genetic algorithm optimization of adsorption of methylene blue by activated carbon derived from Pistacia khinjuk. Ecotoxicology and Environmental Safety, 2013, 96, 110-117.	6.0	82
17	Artificial neural network (ANN) method for modeling of sunset yellow dye adsorption using zinc oxide nanorods loaded on activated carbon: Kinetic and isotherm study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 1-9.	3.9	82
18	Trace determination of safranin O dye using ultrasound assisted dispersive solid-phase micro extraction: Artificial neural network-genetic algorithm and response surface methodology. Ultrasonics Sonochemistry, 2016, 33, 129-140.	8.2	81

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19	Adsorption of Triamterene on multi-walled and single-walled carbon nanotubes: Artificial neural network modeling and genetic algorithm optimization. Journal of Molecular Liquids, 2016, 216, 654-665.	4.9	70
20	Artificial neural network and particle swarm optimization for removal of methyl orange by gold nanoparticles loaded on activated carbon and Tamarisk. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 639-654.	3.9	69
21	Ultrasound assisted extraction of Maxilon Red GRL dye from water samples using cobalt ferrite nanoparticles loaded on activated carbon as sorbent: Optimization and modeling. Ultrasonics Sonochemistry, 2017, 38, 672-680.	8.2	68
22	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. Ultrasonics Sonochemistry, 2019, 51, 264-280.	8.2	57
23	Adaptive neuro-fuzzy inference system model for adsorption of 1,3,4-thiadiazole-2,5-dithiol onto gold nanoparticales-activated carbon. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 606-614.	3.9	56
24	Artificial neural network â€“ Imperialist competitive algorithm based optimization for removal of sunset yellow using Zn(OH)2 nanoparticles-activated carbon. Journal of Industrial and Engineering Chemistry, 2014, 20, 4332-4343.	5.8	55
25	Modeling of reactive orange 12 (RO 12) adsorption onto gold nanoparticle-activated carbon using artificial neural network optimization based on an imperialist competitive algorithm. Journal of Molecular Liquids, 2014, 195, 219-229.	4.9	51
26	Chemical cleaning of reverse osmosis and nanofiltration membranes fouled by licorice aqueous solutions. Desalination, 2011, 267, 93-100.	8.2	48
27	Principal component analysis-artificial neural network and genetic algorithm optimization for removal of reactive orange 12 by copper sulfide nanoparticles-activated carbon. Journal of Industrial and Engineering Chemistry, 2014, 20, 787-795.	5.8	48
28	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 789-799.	3.9	43
29	Synthesis and characterization of Fe2O3â€“ZnOâ€“ZnFe2O4/carbon nanocomposite and its application to removal of bromophenol blue dye using ultrasonic assisted method: Optimization by response surface methodology and genetic algorithm. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 275-284.	5.3	43
30	Predicting the cytotoxicity of ionic liquids using QSAR model based on SMILES optimal descriptors. Journal of Molecular Liquids, 2015, 208, 269-279.	4.9	40
31	A high-flux P84 polyimide mixed matrix membranes incorporated with cadmium-based metal organic frameworks for enhanced simultaneous dyes removal: Response surface methodology. Environmental Research, 2020, 183, 109278.	7.5	39
32	Rapid room-temperature synthesis of cadmium zeolitic imidazolate framework nanoparticles based on 1,1â€²-carbonyldiimidazole as ultra-high-efficiency adsorbent for ultrasound-assisted removal of malachite green dye. Applied Surface Science, 2019, 467-468, 1204-1212.	6.1	36
33	A random forest approach for predicting the removal of Congo red from aqueous solutions by adsorption onto tin sulfide nanoparticles loaded on activated carbon. Desalination and Water Treatment, 2016, 57, 9272-9285.	1.0	35
34	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. Journal of Molecular Liquids, 2020, 315, 113653.	4.9	33
35	Simultaneous prediction of the thermodynamic properties of aqueous solution of ethylene glycol monoethyl ether using artificial neural network. Journal of Molecular Liquids, 2015, 207, 327-333.	4.9	30
36	Artificial neural network and Bees Algorithm for removal of Eosin B using Cobalt Oxide Nanoparticleâ€activated carbon: Isotherm and Kinetics study. Environmental Progress and Sustainable Energy, 2015, 34, 155-168.	2.3	30

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37	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. SpringerPlus, 2013, 2, 64.	1.2	29
38	Simple and facile sonochemical synthesis of lead oxide nanoparticles loaded activated carbon and its application for methyl orange removal from aqueous phase. Journal of Molecular Liquids, 2016, 213, 48-57.	4.9	28
39	[bmim]BF4/[Cu(Im12)2]CuCl2 as a novel catalytic reaction medium for click cyclization. Comptes Rendus Chimie, 2014, 17, 570-576.	0.5	22
40	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. Environmental Technology and Innovation, 2018, 11, 262-275.	6.1	21
41	Optimization of Solvent Terminated Dispersive Liquidâ€“Liquid Microextraction of Copper Ions in Water and Food Samples Using Artificial Neural Networks Coupled Bees Algorithm. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 402-408.	2.7	20
42	Bees metaheuristic algorithm with the aid of artificial neural networks for optimization of acid red 27 dye adsorption onto novel polypyrrole/SrFe12O19/graphene oxide nanocomposite. Polymer Bulletin, 2019, 76, 6529-6553.	3.3	19
43	Concentration of licorice aqueous solutions using nanofiltration and reverse osmosis membranes. Separation and Purification Technology, 2010, 75, 121-126.	7.9	18
44	Multiâ€responses optimization of simultaneous adsorption of methylene blue and malachite green dyes in binary aqueous system onto Ni:FeO(OH)â€NWsâ€AC using experimental design: derivative spectrophotometry method. Applied Organometallic Chemistry, 2018, 32, e4148.	3.5	15
45	Optimization of Tartrazine Adsorption onto Polypyrrole/SrFe12O19/Graphene Oxide Nanocomposite Using Central Composite Design and Bat Inspired Algorithm with the Aid of Artificial Neural Networks. Fibers and Polymers, 2021, 22, 159-170.	2.1	15
46	Flotation-assisted dispersive liquidâ€“liquid microextraction method for preconcentration and determination of trace amounts of cobalt: Orthogonal array design. Journal of Analytical Chemistry, 2016, 71, 535-541.	0.9	13
47	Random forest model for removal of methylene blue and lead(II) ion using activated carbon obtained from Tamarisk. Desalination and Water Treatment, 2016, 57, 19273-19291.	1.0	9
48	Removal of hydrochlorothiazide from molecular liquids using carbon nanotubes: Radial basis function neural network modeling and culture algorithm optimization. Journal of Molecular Liquids, 2021, 324, 114766.	4.9	9
49	Application of copper sulfide nanoparticles loaded activated carbon for simultaneous adsorption of ternary dyes: Response surface methodology. Korean Journal of Chemical Engineering, 2018, 35, 1108-1118.	2.7	8
50	A Thin Film Nanocomposite Reverse Osmosis Membrane Incorporated with Sâ€Beta Zeolite Nanoparticles for Water Desalination. ChemistrySelect, 2020, 5, 1972-1975.	1.5	7
51	Simultaneous extraction of Cu2+ and Cd2+ ions in water, wastewater, and food samples using solvent-terminated dispersive liquidâ€“liquid microextraction: optimization by multiobjective evolutionary algorithm based on decomposition. Environmental Monitoring and Assessment, 2019, 191, 287.	2.7	6
52	Rapid extraction of copper ions in water, tea, milk and apple juice by solvent-terminated dispersive liquidâ€“liquid microextraction using p-sulfonatocalix (4) arene: optimization by artificial neural networks coupled bat inspired algorithm and response surface methodology. Journal of Food Science and Technology, 2019, 56, 4224-4232.	2.8	4
53	Influence of donorâ€“acceptor groups on the electrical and optical properties of C50 fullerene. Journal of Molecular Modeling, 2022, 28, 7.	1.8	4
54	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

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55	Oily wastewater treatment by blend polyether imideâ€sulfonated poly (ether ether keton) hollow fibre membrane through a sideâ€stream MBR process. Water and Environment Journal, 2022, 36, 469-483.	2.2	3
56	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. Applied Organometallic Chemistry, 2018, 32, e4050.	3.5	2
57	Artificial Neural Network, Equilibrium, Kinetics and Thermodynamics Modeling of Reactive Orange 12 Dye Using Rice Husk. Asian Journal of Chemistry, 2013, 25, 817-826.	0.3	1