Mohammed A Al-Saadi

List of Publications by Year
in descending order

71 papers	3,881 citations	257450 24 h-index	123424 61 g-index
72 all docs	72 docs citations	72 times ranked	4117 citing authors

#	Article	IF	Citations
1	Are deep eutectic solvents benign or toxic?. Chemosphere, 2013, 90, 2193-2195.	8.2	473
2	Potential applications of deep eutectic solvents in nanotechnology. Chemical Engineering Journal, 2015, 273, 551-567.	12.7	415
3	Review on heavy metal adsorption processes by carbon nanotubes. Journal of Cleaner Production, 2019, 230, 783-793.	9.3	312
4	Glycerol-based deep eutectic solvents: Physical properties. Journal of Molecular Liquids, 2016, 215, 98-103.	4.9	294
5	Environmental application of nanotechnology: air, soil, and water. Environmental Science and Pollution Research, 2016, 23, 13754-13788.	5.3	265
6	Assessment of cytotoxicity and toxicity for phosphonium-based deep eutectic solvents. Chemosphere, 2013, 93, 455-459.	8.2	217
7	Functionalization of graphene using deep eutectic solvents. Nanoscale Research Letters, 2015, 10, 1004.	5.7	172
8	Ionic Liquid-Carbon Nanomaterial Hybrids for Electrochemical Sensor Applications: a Review. Electrochimica Acta, 2016, 193, 321-343.	5.2	156
9	Physical properties of ethylene glycol-based deep eutectic solvents. Journal of Molecular Liquids, 2019, 276, 794-800.	4.9	150
10	Allyl triphenyl phosphonium bromide based DES-functionalized carbon nanotubes for the removal of mercury from water. Chemosphere, 2017, 167, 44-52.	8.2	95
11	Lead removal from water by choline chloride based deep eutectic solvents functionalized carbon nanotubes. Journal of Molecular Liquids, 2016, 222, 883-894.	4.9	90
12	Functionalization of CNTs surface with phosphonuim based deep eutectic solvents for arsenic removal from water. Applied Surface Science, 2016, 389, 216-226.	6.1	89
13	Triethylene glycol based deep eutectic solvents and their physical properties. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 24-30.	5.3	83
14	Novel deep eutectic solvent-functionalized carbon nanotubes adsorbent for mercury removal from water. Journal of Colloid and Interface Science, 2017, 497, 413-421.	9.4	81
15	Optimization of the Synthesis of Superhydrophobic Carbon Nanomaterials by Chemical Vapor Deposition. Scientific Reports, 2018, 8, 2778.	3.3	61
16	A clean approach for functionalized carbon nanotubes by deep eutectic solvents and their performance in the adsorption of methyl orange from aqueous solution. Journal of Environmental Management, 2019, 235, 521-534.	7.8	58
17	Functionalization of carbon nanotubes using eutectic mixtures: A promising route for enhanced aqueous dispersibility and electrochemical activity. Chemical Engineering Journal, 2017, 311, 326-339.	12.7	50
18	Multi hours ahead prediction of surface ozone gas concentration: Robust artificial intelligence approach. Atmospheric Pollution Research, 2020, 11, 1572-1587.	3.8	48

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19	Hybrid nanocomposite curcumin-capped gold nanoparticle-reduced graphene oxide: Anti-oxidant potency and selective cancer cytotoxicity. PLoS ONE, 2019, 14, e0216725.	2.5	42
20	Removal of Cadmium from Water by CNT–PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011.	1.0	41
21	Ethanesulfonic acid-based esterification of industrial acidic crude palm oil for biodiesel production. Bioresource Technology, 2011, 102, 9564-9570.	9.6	37
22	Efficient lead sorption from wastewater by carbon nanofibers. Environmental Chemistry Letters, 2015, 13, 341-346.	16.2	36
23	PVDF-co-HFP/superhydrophobic acetylene-based nanocarbon hybrid membrane for seawater desalination via DCMD. Chemical Engineering Research and Design, 2018, 138, 248-259.	5.6	32
24	Embedded high-hydrophobic CNMs prepared by CVD technique with PVDF-co-HFP membrane for application in water desalination by DCMD. , 0, 142, 37-48.		29
25	Prediction of high-strength concrete: high-order response surface methodology modeling approach. Engineering With Computers, 2022, 38, 1655-1668.	6.1	27
26	Synthesis and Characterization of Natural Extracted Precursor Date Palm Fibre-Based Activated Carbon for Aluminum Removal by RSM Optimization. Processes, 2019, 7, 249.	2.8	26
27	Modification of Poly(vinylidene fluoride-co-hexafluoropropylene) Membranes with DES-Functionalized Carbon Nanospheres for Removal of Methyl Orange by Membrane Distillation. Water (Switzerland), 2022, 14, 1396.	2.7	26
28	Graphene– gold based nanocomposites applications in cancer diseases; Efficient detection and therapeutic tools. European Journal of Medicinal Chemistry, 2017, 139, 349-366.	5.5	24
29	The modelling of lead removal from water by deep eutectic solvents functionalized CNTs: artificial neural network (ANN) approach. Water Science and Technology, 2017, 76, 2413-2426.	2.5	24
30	Incorporation of artificial neural network with principal component analysis and cross-validation technique to predict high-performance concrete compressive strength. Asian Journal of Civil Engineering, 2021, 22, 1019-1031.	1.6	24
31	Chemical and Hydrophobic Properties of PLA/HNTs-ZrO$_2$ Bionanocomposites. Journal of Physics: Conference Series, 2018, 1019, 012065.	0.4	21
32	Data-Driven Model for the Prediction of Total Dissolved Gas: Robust Artificial Intelligence Approach. Advances in Civil Engineering, 2020, 2020, 1-20.	0.7	21
33	Application of Artificial Intelligence Models for Evapotranspiration Prediction along the Southern Coast of Turkey. Complexity, 2021, 2021, 1-20.	1.6	19
34	Synthesis and Characterization of Carbon Nanofibers Grown on Powdered Activated Carbon. Journal of Nanotechnology, 2016, 2016, 1-10.	3.4	18
35	Synthesis, Characterization, and Analysis of Hybrid Carbon Nanotubes by Chemical Vapor Deposition: Application for Aluminum Removal. Polymers, 2020, 12, 1305.	4.5	17
36	Synthesis and optimization of high surface area mesoporous date palm fiber-based nanostructured powder activated carbon for aluminum removal. Chinese Journal of Chemical Engineering, 2021, 32, 472-484.	3.5	17

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37	Synthesis of carbon nanofibers on impregnated powdered activated carbon as cheap substrate. Arabian Journal of Chemistry, 2016, 9, 532-536.	4.9	15
38	Eutectic mixture-functionalized carbon nanomaterials for selective amperometric detection of nitrite using modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2018, 812, 107-114.	3.8	15
39	The influence of coating super-hydrophobic carbon nanomaterials on the performance of membrane distillation. Applied Water Science, 2022, 12, 1.	5.6	15
40	Growth and optimization of carbon nanotubes in powder activated carbon for an efficient removal of methylene blue from aqueous solution. Environmental Technology (United Kingdom), 2019, 40, 2400-2415.	2.2	14
41	The impact of curcumin-graphene based nanoformulation on cellular interaction and redox-activated apoptosis: An in vitro colon cancer study. Heliyon, 2020, 6, e05360.	3.2	14
42	Superhydrophobic nanocarbonâ€based membrane with antibacterial characteristics. Biotechnology Progress, 2020, 36, e2963.	2.6	14
43	The formation of hybrid carbon nanomaterial by chemical vapor deposition: an efficient adsorbent for enhanced removal of methylene blue from aqueous solution. Water Science and Technology, 2018, 77, 1714-1723.	2.5	13
44	BTPC-Based DES-Functionalized CNTs for As3+ Removal from Water: NARX Neural Network Approach. Journal of Environmental Engineering, ASCE, 2018, 144, .	1.4	13
45	Artificial Neural Network Approach for Modelling of Mercury Ions Removal from Water Using Functionalized CNTs with Deep Eutectic Solvent. International Journal of Molecular Sciences, 2019, 20, 4206.	4.1	13
46	Arsenic removal from water using N,N-diethylethanolammonium chloride based DES-functionalized CNTs: (NARX) neural network approach. Journal of Water Supply: Research and Technology - AQUA, 2018, 67, 531-542.	1.4	12
47	Lead Sorption by Carbon Nanofibers Grown on Powdered Activated Carbon â€" Kinetics and Equilibrium. Nano, 2015, 10, 1550017.	1.0	11
48	Feedforward Artificial Neural Network-Based Model for Predicting the Removal of Phenolic Compounds from Water by Using Deep Eutectic Solvent-Functionalized CNTs. Molecules, 2020, 25, 1511.	3.8	11
49	Application of Graphitic Bio-Carbon using Two-Level Factorial Design for Microwave-assisted Carbonization. BioResources, 2016, 11, .	1.0	11
50	Inflow forecasting using regularized extreme learning machine: Haditha reservoir chosen as case study. Stochastic Environmental Research and Risk Assessment, 2022, 36, 4201-4221.	4.0	11
51	Diethylene glycol based deep eutectic solvents and their physical properties. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 433-450.	0.2	10
52	N,N-diethylethanolammonium chloride based DES-functionalized carbon nanotubes for arsenic removal from aqueous solution. , 0, 74, 163-173.		10
53	The Effects of Tensile Properties of PLA/HNTs-ZrO$_2$Bionanocomposites. Journal of Physics: Conference Series, 2018, 1019, 012066.	0.4	9
54	Hybridizing carbon nanomaterial with powder activated carbon for an efficient removal of Bisphenol A from water: the optimum growth and adsorption conditions. , 0, 95, 128-143.		9

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55	Thermal properties of PLA/HNTs composites: Effect of different halloysite nanotube. AIP Conference Proceedings, 2018, , .	0.4	8
56	Mercury removal from water using deep eutectic solventsâ€functionalized multi walled carbon nanotubes: Nonlinear autoregressive network with an exogenous input neural network approach. Environmental Progress and Sustainable Energy, 2019, 38, e13261.	2.3	8
57	Optimising the Selection of Input Variables to Increase the Predicting Accuracy of Shear Strength for Deep Beams. Complexity, 2022, 2022, 1-23.	1.6	7
58	A review exploring the adsorptive removal of organic micropollutants on tailored hierarchical carbon nanotubes. Toxicological and Environmental Chemistry, 2021, 103, 282-325.	1.2	6
59	Lead removal from water using DES functionalized CNTs: ANN modeling approach. , 0, 150, 105-113.		6
60	Potassium hydroxide as a novel catalyst for metal-free carbon nanotubes growth on powder activated carbon. Physica B: Condensed Matter, 2021, 621, 413294.	2.7	5
61	Study of Pb Adsorption by Carbon Nanofibers Grown on Powdered Activated Carbon. Journal of Applied Sciences, 2010, 10, 1983-1986.	0.3	5
62	Estimation of nanofiltration membrane transport parameters for cobalt ions removal from aqueous solutions. , 0, 108, 235-245.		5
63	Adsorption of 2,4-dichlorophenol from water using deep eutectic solvents-functionalized carbon nanotubes. , 0, 116, 214-231.		5
64	Carbon nanotubes grown on oil palm shell powdered activated carbon as less hazardous and cheap substrate. Applied Nanoscience (Switzerland), 2018, 8, 1767-1779.	3.1	4
65	Effect of pH, water percentage and surfactant percentage on stability of water in diesel emulsion. IOP Conference Series: Materials Science and Engineering, 0, 454, 012097.	0.6	3
66	Probing the Effect of Gaseous Hydrocarbon Precursors on the Adsorptive Efficiency of Synthesized Carbon-based Nanomaterials. Journal of Engineering Research, 2020, 17, 47.	0.2	3
67	Bimetallic Moâ€"Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity. Symmetry, 2020, 12, 1242.	2.2	2
68	High Yield Super-Hydrophobic Carbon Nanomaterials Using Cobalt/Iron Co-Catalyst Impregnated on Powder Activated Carbon. Processes, 2021, 9, 134.	2.8	2
69	The modelling of arsenic removal from water by deep eutectic solvents functionalized CNTs: Artificial neural network (ANN) approach. , 0, 94, 189-197.		2
70	Modification of halloysite filler with phosphonium based deep eutectic solvents for PLA/HNTs composites. AIP Conference Proceedings, 2018, , .	0.4	0
71	Synthesis of various carbon nanomaterials (CNMs) on powdered activated carbon. African Journal of Biotechnology, 2011, 10, , .	0.6	0