Ahmed Saud Abdulhameed

List of Publications by Year
in descending order

32 papers	3,306 citations	168829 31 h-index	488211 31 g-index
32 all docs	32 docs citations	32 times ranked	1596 citing authors

#	Article	IF	Citations
1	Synthesis of biohybrid magnetic chitosan-polyvinyl alcohol/MgO nanocomposite blend for remazol brilliant blue R dye adsorption: solo and collective parametric optimization. Polymer Bulletin, 2023, 80, 4927-4947.	1.7	49
2	Mesoporous activated carbon from grass waste via H₃PO₄-activation for methylene blue dye removal: modelling, optimisation, and mechanism study. International Journal of Environmental Analytical Chemistry, 2022, 102, 6061-6077.	1.8	53
3	Adsorptive performance of carbon modified chitosan biopolymer for cationic dye removal: kinetic, isotherm, thermodynamic, and mechanism study. International Journal of Environmental Analytical Chemistry, 2022, 102, 6189-6203.	1.8	44
4	Cross-Linked Chitosan-Glyoxal/Kaolin Clay Composite: Parametric Optimization for Color Removal and COD Reduction of Remazol Brilliant Blue R Dye. Journal of Polymers and the Environment, 2022, 30, 164-178.	2.4	74
5	Process Optimization and Adsorptive Mechanism for Reactive Blue 19 Dye by Magnetic Crosslinked Chitosan/MgO/Fe3O4 Biocomposite. Journal of Polymers and the Environment, 2022, 30, 2759-2773.	2.4	52
6	Magnetic biohybrid chitosan-ethylene glycol diglycidyl ether/magnesium oxide/Fe3O4 nanocomposite for textile dye removal: Boxâ€“Behnken design optimization and mechanism study. Journal of Polymer Research, 2022, 29, .	1.2	44
7	Fabrication of Schiffâ€™s Base Chitosan-Glutaraldehyde/Activated Charcoal Composite for Cationic Dye Removal: Optimization Using Response Surface Methodology. Journal of Polymers and the Environment, 2021, 29, 2855-2868.	2.4	65
8	High surface area and mesoporous activated carbon from KOH-activated dragon fruit peels for methylene blue dye adsorption: Optimization and mechanism study. Chinese Journal of Chemical Engineering, 2021, 32, 281-290.	1.7	206
9	Magnetic Chitosan-Glutaraldehyde/Zinc Oxide/Fe3O4 Nanocomposite: Optimization and Adsorptive Mechanism of Remazol Brilliant Blue R Dye Removal. Journal of Polymers and the Environment, 2021, 29, 3932-3947.	2.4	111
10	Synthesis of Schiff's base magnetic crosslinked chitosan-glyoxal/ZnO/Fe3O4 nanoparticles for enhanced adsorption of organic dye: Modeling and mechanism study. Sustainable Chemistry and Pharmacy, 2021, 20, 100379.	1.6	56
11	Parametric optimization by Boxâ€“Behnken design for synthesis of magnetic chitosan-benzil/ZnO/Fe3O4 nanocomposite and textile dye removal. Journal of Environmental Chemical Engineering, 2021, 9, 105166.	3.3	144
12	Numerical desirability function for adsorption of methylene blue dye by sulfonated pomegranate peel biochar: Modeling, kinetic, isotherm, thermodynamic, and mechanism study. Korean Journal of Chemical Engineering, 2021, 38, 1499-1509.	1.2	83
13	Statistical modeling and mechanistic pathway for methylene blue dye removal by high surface area and mesoporous grass-based activated carbon using K2CO3 activator. Journal of Environmental Chemical Engineering, 2021, 9, 105530.	3.3	130
14	Microporous activated carbon developed from KOH activated biomass waste: surface mechanistic study of methylene blue dye adsorption. Water Science and Technology, 2021, 84, 1858-1872.	1.2	67
15	New magnetic Schiff's base-chitosan-glyoxal/fly ash/Fe3O4 biocomposite for the removal of anionic azo dye: An optimized process. International Journal of Biological Macromolecules, 2020, 146, 530-539.	3.6	155
16	Tunable Schiffâ€™s base-cross-linked chitosan composite for the removal of reactive red 120 dye: Adsorption and mechanism study. International Journal of Biological Macromolecules, 2020, 142, 732-741.	3.6	127
17	Hybrid Crosslinked Chitosan-Epichlorohydrin/TiO2 Nanocomposite for Reactive Red 120 Dye Adsorption: Kinetic, Isotherm, Thermodynamic, and Mechanism Study. Journal of Polymers and the Environment, 2020, 28, 624-637.	2.4	115
18	Mesoporous Iraqi red kaolin clay as an efficient adsorbent for methylene blue dye: Adsorption kinetic, isotherm and mechanism study. Surfaces and Interfaces, 2020, 18, 100422.	1.5	157

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19	H2SO4-treated Malaysian low rank coal for methylene blue dye decolourization and cod reduction: Optimization of adsorption and mechanism study. Surfaces and Interfaces, 2020, 21, 100641.	1.5	60
20	Facile synthesis of crosslinked chitosan-tripolyphosphate/kaolin clay composite for decolourization and COD reduction of remazol brilliant blue R dye: Optimization by using response surface methodology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125329.	2.3	102
21	Statistical optimization and modeling for color removal and COD reduction of reactive blue 19 dye by mesoporous chitosan-epichlorohydrin/kaolin clay composite. International Journal of Biological Macromolecules, 2020, 164, 4218-4230.	3.6	102
22	Statistical modeling of methylene blue dye adsorption by high surface area mesoporous activated carbon from bamboo chip using KOH-assisted thermal activation. Energy, Ecology and Environment, 2020, 5, 456-469.	1.9	116
23	Physicochemical modification of chitosan with fly ash and tripolyphosphate for removal of reactive red 120 dye: Statistical optimization and mechanism study. International Journal of Biological Macromolecules, 2020, 161, 503-513.	3.6	85
24	Acid-factionalized biomass material for methylene blue dye removal: a comprehensive adsorption and mechanism study. Journal of Taibah University for Science, 2020, 14, 305-313.	1.1	177
25	Tuning of Fly Ash Loading into Chitosan-Ethylene Glycol Diglycidyl Ether Composite for Enhanced Removal of Reactive Red 120 Dye: Optimization Using the Boxâ€“Behnken Design. Journal of Polymers and the Environment, 2020, 28, 2720-2733.	2.4	93
26	Zwitterion composite chitosan-epichlorohydrin/zeolite for adsorption of methylene blue and reactive red 120 dyes. International Journal of Biological Macromolecules, 2020, 163, 756-765.	3.6	148
27	Mesoporous Crosslinked Chitosan-Activated Charcoal Composite for the Removal of Thionine Cationic Dye: Comprehensive Adsorption and Mechanism Study. Journal of Polymers and the Environment, 2020, 28, 1095-1105.	2.4	86
28	Synthesis of Magnetic Chitosan-Fly Ash/Fe3O4 Composite for Adsorption of Reactive Orange 16 Dye: Optimization by Boxâ€“Behnken Design. Journal of Polymers and the Environment, 2020, 28, 1068-1082.	2.4	118
29	Synthesis of chitosan-ethylene glycol diglycidyl ether/TiO2 nanoparticles for adsorption of reactive orange 16 dye using a response surface methodology approach. Bioresource Technology, 2019, 293, 122071.	4.8	105
30	Box-Behnken design to optimize the synthesis of new crosslinked chitosan-glyoxal/TiO2 nanocomposite: Methyl orange adsorption and mechanism studies. International Journal of Biological Macromolecules, 2019, 129, 98-109.	3.6	150
31	Application of response surface methodology for enhanced synthesis of chitosan tripolyphosphate/TiO2 nanocomposite and adsorption of reactive orange 16 dye. Journal of Cleaner Production, 2019, 232, 43-56.	4.6	162
32	Modeling and mechanism of reactive orange 16 dye adsorption by chitosan-glyoxal/TiO2 nanocomposite: application of response surface methodology. , 0, 164, 346-360.		70