

Nuhu Dalhat Mu'azu

List of Publications by Year in descending order

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62
papers

1,433
citations

331670

21
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361022

35
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all docs

62
docs citations

62
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of eriochrome black T from aqueous phase on MgAl-, CoAl- and NiFe- calcined layered double hydroxides: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2017, 230, 344-352.	4.9	110
2	Adsorption Behavior and Mechanism of Methylene Blue, Crystal Violet, Eriochrome Black T, and Methyl Orange Dyes onto Biochar-Derived Date Palm Fronds Waste Produced at Different Pyrolysis Conditions. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	105
3	Removal of Phenolic Compounds from Water Using Sewage Sludge-Based Activated Carbon Adsorption: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1094.	2.6	102
4	Comparative Adsorptive Removal of Phosphate and Nitrate from Wastewater Using Biochar-MgAl LDH Nanocomposites: Coexisting Anions Effect and Mechanistic Studies. <i>Nanomaterials</i> , 2020, 10, 336.	4.1	80
5	Bentonite-layered double hydroxide composite for enhanced aqueous adsorption of Eriochrome Black T. <i>Applied Clay Science</i> , 2018, 161, 23-34.	5.2	76
6	Adsorption and Desorption of Heavy Metals onto Natural Clay Material: Influence of Initial pH. <i>Journal of Environmental Science and Technology</i> , 2012, 6, 1-15.	0.3	71
7	Magnetic Mg-Fe/LDH Intercalated Activated Carbon Composites for Nitrate and Phosphate Removal from Wastewater: Insight into Behavior and Mechanisms. <i>Nanomaterials</i> , 2020, 10, 1361.	4.1	62
8	Functionalized MgAl-layered hydroxide intercalated date-palm biochar for Enhanced Uptake of Cationic dye: Kinetics, isotherm and thermodynamic studies. <i>Applied Clay Science</i> , 2020, 190, 105587.	5.2	55
9	Public acceptability of treated wastewater reuse in Saudi Arabia: Implications for water management policy. <i>Science of the Total Environment</i> , 2020, 721, 137659.	8.0	51
10	Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. <i>Journal of Hazardous Materials</i> , 2018, 342, 58-68.	12.4	35
11	Food waste management current practices and sustainable future approaches: a Saudi Arabian perspectives. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 678-690.	3.0	35
12	Suitability of SBR for Wastewater Treatment and Reuse: Pilot-Scale Reactor Operated in Different Anoxic Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1617.	2.6	35
13	Graphene/ternary layered double hydroxide composites: Efficient removal of anionic dye from aqueous phase. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1057-1068.	2.7	34
14	Inhibition of mild steel corrosion in 1M H ₂ SO ₄ by a gemini surfactant 1,6-hexyldiyl-bis-(dimethyldodecylammonium bromide): ANN, RSM predictive modeling, quantum chemical and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2022, 350, 118533.	4.9	34
15	Systematic Modeling of Municipal Wastewater Activated Sludge Process and Treatment Plant Capacity Analysis Using GPS-X. <i>Sustainability</i> , 2020, 12, 8182.	3.2	29
16	Coupled Electrokinetics-Adsorption Technique for Simultaneous Removal of Heavy Metals and Organics from Saline-Sodic Soil. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	2.1	28
17	Pulsed Electrokinetic Removal of Chromium, Mercury and Cadmium from Contaminated Mixed Clay Soils. <i>Soil and Sediment Contamination</i> , 2016, 25, 757-775.	1.9	26
18	Generalized decay and artificial neural network models for fixed-Bed phenolic compounds adsorption onto activated date palm biochar. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104711.	6.7	26

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19	Determination of <i>N</i> -nitrosamines by automated dispersive liquid-liquid microextraction integrated with gas chromatography and mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 1741-1748.	2.5	25
20	Synthesis, Characterization and Dye Adsorption Performance of Strontium Ferrite decorated Bentonite-CoNiAl Magnetic Composite. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7397-7408.	3.0	24
21	Specific energy consumption reduction during pulsed electrochemical oxidation of phenol using graphite electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2477-2486.	6.7	23
22	Simultaneous electro-oxidation of phenol, CN ⁻ , S ²⁻ and NH ₄ ⁺ in synthetic wastewater using boron doped diamond anode. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2656-2664.	6.7	21
23	Effect of montmorillonite content in natural Saudi Arabian clay on its adsorptive performance for single aqueous uptake of Cu(II) and Ni(II). <i>Journal of King Saud University - Science</i> , 2020, 32, 412-422.	3.5	21
24	Application of Box-Behnken Design to Hybrid Electrokinetic-Adsorption Removal of Mercury from Contaminated Saline-Sodic Clay Soil. <i>Soil and Sediment Contamination</i> , 2015, 24, 30-48.	1.9	20
25	Mechanistic aspects of magnetic MgAlNi barium-ferrite nanocomposites enhanced adsorptive removal of an anionic dye from aqueous phase. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 715-732.	5.2	18
26	Microwave Foaming of Materials: An Emerging Field. <i>Polymers</i> , 2020, 12, 2477.	4.5	18
27	Recent review on synthesis, evaluation, and SWOT analysis of nanostructured cellulose in construction applications. <i>Journal of Building Engineering</i> , 2022, 46, 103747.	3.4	18
28	Optimal Removal of Cadmium from Heavily Contaminated Saline-Sodic Soil Using Integrated Electrokinetic-Adsorption Technique. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 1289-1297.	1.1	15
29	Enhanced adsorptive performance of Cr(VI) onto layered double hydroxide-bentonite composite: Isotherm, kinetic and thermodynamic studies. <i>Separation Science and Technology</i> , 2020, 55, 1897-1909.	2.5	15
30	Cellulose Nanocrystals from Office Paper Waste for Green Mortar: Process Optimization Modeling, Characterization, and Mechanical Properties. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5377-5393.	3.0	14
31	Household attitudes toward wastewater recycling in Saudi Arabia. <i>Utilities Policy</i> , 2022, 76, 101372.	4.0	14
32	Production of magnetic biochar-steel dust composites for enhanced phosphate adsorption. <i>Journal of Water Process Engineering</i> , 2022, 47, 102793.	5.6	14
33	Sewage Sludge ZnCl ₂ -Activated Carbon Intercalated MgFe-LDH Nanocomposites: Insight of the Sorption Mechanism of Improved Removal of Phenol from Water. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1563.	4.1	13
34	Electrochemical oxidation of low phenol concentration on boron doped diamond anodes: optimization via response surface methodology. <i>Desalination and Water Treatment</i> , 2014, 52, 7293-7305.	1.0	12
35	Volcanic ash and its NaOH modified adsorbent for superb cationic dye uptake from water: Statistical evaluation, optimization, and mechanistic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127879.	4.7	12
36	Evaluation of novel Mg/Al/Ni-BaFe ternary layered hydroxides uptake of methyl orange dye from water. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 2008-2022.	2.7	11

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37	Integrated Electrokinetics-Adsorption Remediation of Saline-Sodic Soils: Effects of Voltage Gradient and Contaminant Concentration on Soil Electrical Conductivity. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	9
38	Treating MTBE-contaminated water using sewage sludge-derived activated carbon. Environmental Science and Pollution Research, 2018, 25, 29397-29407.	5.3	9
39	Synthesis and characterization of a series of cross-linked polyamines for removal of Erichrome Black T from aqueous solution. Chinese Journal of Chemical Engineering, 2021, 32, 341-352.	3.5	9
40	Augmenting granular activated carbon with natural clay for multicomponent sorption of heavy metals from aqueous solutions. Water Science and Technology, 2017, 76, 2213-2221.	2.5	8
41	Influence of Some Operating Parameters on Electro-Oxidation of Phenol using Boron Doped Diamond Anode and Graphite Cathode. Journal of Environmental Science and Technology, 2012, 5, 460-474.	0.3	8
42	Comparative adsorption of Eriochrome black T onto recyclable steel dust wastes: Isotherm, kinetics and thermodynamic studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 645, 128828.	4.7	8
43	Geochemical Modeling of Trivalent Chromium Migration in Saline-Sodic Soil during Lasagna Process: Impact on Soil Physicochemical Properties. Scientific World Journal, The, 2014, 2014, 1-20.	2.1	7
44	Process Optimization and Modeling of Phenol Adsorption onto Sludge-Based Activated Carbon Intercalated MgAlFe Ternary Layered Double Hydroxide Composite. Molecules, 2021, 26, 4266.	3.8	7
45	Evaluation of the Influence of Clay Montmorillonite Content on the Aqueous Uptake of Lead and Zinc. Water Environment Research, 2018, 90, 771-782.	2.7	6
46	Removal of Lead and Copper from Contaminated Mixed Clay Soils Using Pulsed Electrokinetics. Soil and Sediment Contamination, 2020, 29, 465-480.	1.9	6
47	Comparative performance study of ZnCl ₂ and NaOH sludge based activated carbon for simultaneous aqueous uptake of phenolic compounds. International Journal of Environmental Analytical Chemistry, 2021, 101, 2428-2452.	3.3	6
48	Binary adsorption of phenol and O-cresol from aqueous solution on date palm pits based activated carbon: a fixed-bed column study. , 0, 58, 192-201.		6
49	Utilization of oil sludge as rejuvenator in hot-mix-asphalt containing reclaimed asphalt concrete. Construction and Building Materials, 2022, 338, 127483.	7.2	6
50	Influence of Bentonite Proportion in Natural Clay on Pb ²⁺ ions Sorption: Response Surface Methodology, Kinetics and Equilibrium Studies. Soil and Sediment Contamination, 2017, 26, 691-708.	1.9	5
51	Highly efficient removal of Pb(II) ion from aqueous phase using surface modified graphene. Equilibrium and kinetic study. , 0, 80, 174-183.		5
52	Investigation of biodegradable polyaspartate as an effective chelant for washing of lead from soil: response surface methodology approach. International Journal of Environmental Analytical Chemistry, 2021, 101, 2679-2696.	3.3	4
53	Energy efficient buildings as a tool for ensuring sustainability in the building industry. , 2011, , .		3
54	Kinetic modeling of electrochemical oxidation of phenol on boron-doped diamond anode in the presence of some inorganic species. Desalination and Water Treatment, 0, , 1-8.	1.0	3

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55	Scale-up of hybrid electrokinetic adsorption technique for removal of heavy metals from contaminated saline-sodic clay soil. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 122-130.	2.0	3
56	Response surface modeling and optimization of sludge activated carbon production conditions for phenolic compounds removal from water. , 0, 100, 320-332.		3
57	A comparison of ANN and RSM models for anionic dye adsorption onto bentonite-clay intercalated cobalt-aluminum LDH nanocomposites. , 0, 179, 340-353.		3
58	Comparative performance evaluation of anodic materials for electro-kinetic removal of Lead (II) from contaminated clay soil. <i>Soil and Sediment Contamination</i> , 2020, 29, 69-95.	1.9	2
59	Detection of micro-toxic heavy metals in commercial ink powder brands via short-long orthogonal dual pulse LIPs and ICP-OES spectroscopic techniques for environmental protection. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 8241-8265.	3.3	2
60	Insight into ANN and RSM Models Predictive Performance for Mechanistic Aspects of Cr(VI) Uptake by Layered Double Hydroxide Nanocomposites from Water. <i>Water (Switzerland)</i> , 2022, 14, 1644.	2.7	2
61	Response Surface Modeling of Rate of Replenishing Processing Fluids During Hybrid Electrokinetics-Adsorption Treatment of Saline-Sodic Soil. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1117-1127.	3.0	1
62	Enhanced Adsorption of Phosphate Onto Magnetic Biochar-Steel Dust Composites from Waste. Performance and Mechanism. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0