

Nuhu Dalhat Mu'azu

List of Publications by Year in descending order

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62
papers

1,433
citations

377584

21
h-index

406436

35
g-index

62
all docs

62
docs citations

62
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	2
2	Volcanic ashe 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.	2.3	12
3	Recent review on synthesis, evaluation, and SWOT analysis of nanostructured cellulose in construction applications. <i>Journal of Building Engineering</i> , 2022, 46, 103747.	1.6	18
4	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.	2.3	34
5	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.	1.7	14
6	Comparative adsorption of Eriochrome black T onto recyclable steel dust wastes: Isotherm, kinetics and thermodynamic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128828.	2.3	8
7	Household attitudes toward wastewater recycling in Saudi Arabia. <i>Utilities Policy</i> , 2022, 76, 101372.	2.1	14
8	Production of magnetic biochar-steel dust composites for enhanced phosphate adsorption. <i>Journal of Water Process Engineering</i> , 2022, 47, 102793.	2.6	14
9	Utilization of oil sludge as rejuvenator in hot-mix-asphalt containing reclaimed asphalt concrete. <i>Construction and Building Materials</i> , 2022, 338, 127483.	3.2	6
10	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.	1.2	2
11	Investigation of biodegradable polyaspartate as an effective chelant for washing of lead from soil: response surface methodology approach. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2679-2696.	1.8	4
12	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.	3.3	26
13	Synthesis and characterization of a series of cross-linked polyamines for removal of Eriochrome Black T from aqueous solution. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 341-352.	1.7	9
14	Process Optimization and Modeling of Phenol Adsorption onto Sludge-Based Activated Carbon Intercalated MgAlFe Ternary Layered Double Hydroxide Composite. <i>Molecules</i> , 2021, 26, 4266.	1.7	7
15	Comparative performance study of ZnCl ₂ and NaOH sludge based activated carbon for simultaneous aqueous uptake of phenolic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2428-2452.	1.8	6
16	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.	1.3	15
17	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.	1.6	21
18	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.	1.1	2

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19	Systematic Modeling of Municipal Wastewater Activated Sludge Process and Treatment Plant Capacity Analysis Using GPS-X. Sustainability, 2020, 12, 8182.	1.6	29
20	Magnetic Mg-Fe/LDH Intercalated Activated Carbon Composites for Nitrate and Phosphate Removal from Wastewater: Insight into Behavior and Mechanisms. Nanomaterials, 2020, 10, 1361.	1.9	62
21	Mechanistic aspects of magnetic MgAlNi barium-ferrite nanocomposites enhanced adsorptive removal of an anionic dye from aqueous phase. Journal of Saudi Chemical Society, 2020, 24, 715-732.	2.4	18
22	Microwave Foaming of Materials: An Emerging Field. Polymers, 2020, 12, 2477.	2.0	18
23	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. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	105
24	Suitability of SBR for Wastewater Treatment and Reuse: Pilot-Scale Reactor Operated in Different Anoxic Conditions. International Journal of Environmental Research and Public Health, 2020, 17, 1617.	1.2	35
25	Public acceptability of treated wastewater reuse in Saudi Arabia: Implications for water management policy. Science of the Total Environment, 2020, 721, 137659.	3.9	51
26	Comparative Adsorptive Removal of Phosphate and Nitrate from Wastewater Using Biochar-MgAl LDH Nanocomposites: Coexisting Anions Effect and Mechanistic Studies. Nanomaterials, 2020, 10, 336.	1.9	80
27	Sewage Sludge ZnCl ₂ -Activated Carbon Intercalated MgFe-LDH Nanocomposites: Insight of the Sorption Mechanism of Improved Removal of Phenol from Water. International Journal of Molecular Sciences, 2020, 21, 1563.	1.8	13
28	Synthesis, Characterization and Dye Adsorption Performance of Strontium Ferrite decorated Bentonite-CoNiAl Magnetic Composite. Arabian Journal for Science and Engineering, 2020, 45, 7397-7408.	1.7	24
29	Functionalized MgAl-layered hydroxide intercalated date-palm biochar for Enhanced Uptake of Cationic dye: Kinetics, isotherm and thermodynamic studies. Applied Clay Science, 2020, 190, 105587.	2.6	55
30	Removal of Lead and Copper from Contaminated Mixed Clay Soils Using Pulsed Electrokinetics. Soil and Sediment Contamination, 2020, 29, 465-480.	1.1	6
31	Graphene/ternary layered double hydroxide composites: Efficient removal of anionic dye from aqueous phase. Korean Journal of Chemical Engineering, 2019, 36, 1057-1068.	1.2	34
32	Evaluation of novel Mg/Al/Ni-BaFe ternary layered hydroxides uptake of methyl orange dye from water. Korean Journal of Chemical Engineering, 2019, 36, 2008-2022.	1.2	11
33	Food waste management current practices and sustainable future approaches: a Saudi Arabian perspectives. Journal of Material Cycles and Waste Management, 2019, 21, 678-690.	1.6	35
34	Scale-up of hybrid electrokinetic adsorption technique for removal of heavy metals from contaminated saline-sodic clay soil. Journal of King Saud University, Engineering Sciences, 2019, 31, 122-130.	1.2	3
35	Bentonite-layered double hydroxide composite for enhanced aqueous adsorption of Eriochrome Black T. Applied Clay Science, 2018, 161, 23-34.	2.6	76
36	Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. Journal of Hazardous Materials, 2018, 342, 58-68.	6.5	35

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37	Evaluation of the Influence of Clay Montmorillonite Content on the Aqueous Uptake of Lead and Zinc. <i>Water Environment Research</i> , 2018, 90, 771-782.	1.3	6
38	Treating MTBE-contaminated water using sewage sludge-derived activated carbon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29397-29407.	2.7	9
39	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.	2.3	110
40	Augmenting granular activated carbon with natural clay for multicomponent sorption of heavy metals from aqueous solutions. <i>Water Science and Technology</i> , 2017, 76, 2213-2221.	1.2	8
41	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.	1.7	1
42	Influence of Bentonite Proportion in Natural Clay on Pb ²⁺ ions Sorption: Response Surface Methodology, Kinetics and Equilibrium Studies. <i>Soil and Sediment Contamination</i> , 2017, 26, 691-708.	1.1	5
43	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.	1.2	102
44	Specific energy consumption reduction during pulsed electrochemical oxidation of phenol using graphite electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2477-2486.	3.3	23
45	Pulsed Electrokinetic Removal of Chromium, Mercury and Cadmium from Contaminated Mixed Clay Soils. <i>Soil and Sediment Contamination</i> , 2016, 25, 757-775.	1.1	26
46	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.	3.3	21
47	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.	1.3	25
48	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
49	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.	1.1	20
50	Geochemical Modeling of Trivalent Chromium Migration in Saline-Sodic Soil during Lasagna Process: Impact on Soil Physicochemical Properties. <i>Scientific World Journal</i> , The, 2014, 2014, 1-20.	0.8	7
51	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
52	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.	0.8	28
53	Integrated Electrokinetics-Adsorption Remediation of Saline-Sodic Soils: Effects of Voltage Gradient and Contaminant Concentration on Soil Electrical Conductivity. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	0.8	9
54	Influence of Some Operating Parameters on Electro-Oxidation of Phenol using Boron Doped Diamond Anode and Graphite Cathode. <i>Journal of Environmental Science and Technology</i> , 2012, 5, 460-474.	0.3	8

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55	Adsorption and Desorption of Heavy Metals onto Natural Clay Material: Influence of Initial pH. Journal of Environmental Science and Technology, 2012, 6, 1-15.	0.3	71
56	Energy efficient buildings as a tool for ensuring sustainability in the building industry. , 2011, , .		3
57	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
58	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
59	Highly efficient removal of Pb(II) ion from aqueous phase using surface modified graphene. Equilibrium and kinetic study. , 0, 80, 174-183.		5
60	Response surface modeling and optimization of sludge activated carbon production conditions for phenolic compounds removal from water. , 0, 100, 320-332.		3
61	A comparison of ANN and RSM models for anionic dye adsorption onto bentonite-clay intercalated cobalt-aluminum LDH nanocomposites. , 0, 179, 340-353.		3
62	Enhanced Adsorption of Phosphate Onto Magnetic Biochar-Steel Dust Composites from Waste. Performance and Mechanism. SSRN Electronic Journal, 0, , .	0.4	0