

Mukarram Zubair

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3250746/publications.pdf>

Version: 2024-02-01

53
papers

2,309
citations

279487

23
h-index

223531

46
g-index

53
all docs

53
docs citations

53
times ranked

1898
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in layered double hydroxides (LDH)-containing hybrids as adsorbents for water remediation. <i>Applied Clay Science</i> , 2017, 143, 279-292.	2.6	389
2	Sustainable wastewater treatment by biochar/layered double hydroxide composites: Progress, challenges, and outlook. <i>Bioresource Technology</i> , 2021, 319, 124128.	4.8	161
3	Starch-NiFe-layered double hydroxide composites: Efficient removal of methyl orange from aqueous phase. <i>Journal of Molecular Liquids</i> , 2018, 249, 254-264.	2.3	123
4	Bioremediation of dyes: Current status and prospects. <i>Journal of Water Process Engineering</i> , 2020, 38, 101680.	2.6	120
5	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
6	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.	1.1	105
7	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
8	Removal of pharmaceuticals from water using sewage sludge-derived biochar: A review. <i>Chemosphere</i> , 2022, 289, 133196.	4.2	84
9	A Comparative Study on the Adsorption of Eriochrome Black T Dye from Aqueous Solution on Graphene and Acid-Modified Graphene. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2167-2179.	1.7	80
10	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.	1.9	80
11	Bentonite-layered double hydroxide composite for enhanced aqueous adsorption of Eriochrome Black T. <i>Applied Clay Science</i> , 2018, 161, 23-34.	2.6	76
12	Date palm ash-MgAl-layered double hydroxide composite: sustainable adsorbent for effective removal of methyl orange and eriochrome black-T from aqueous phase. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34319-34331.	2.7	74
13	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.	1.9	62
14	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	3.7	57
15	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.	2.6	55
16	New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. <i>Journal of Water Process Engineering</i> , 2021, 44, 102440.	2.6	38
17	RSM-CCD optimization approach for the adsorptive removal of Eriochrome Black T from aqueous system using steel slag-based adsorbent: Characterization, Isotherm, Kinetic modeling and thermodynamic analysis. <i>Journal of Molecular Liquids</i> , 2021, 339, 116714.	2.3	37
18	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.	6.5	35

#	ARTICLE	IF	CITATIONS
19	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.	1.2	34
20	Biochar supported CuFe layered double hydroxide composite as a sustainable adsorbent for efficient removal of anionic azo dye from water. <i>Environmental Technology and Innovation</i> , 2021, 23, 101614.	3.0	34
21	Comparative adsorption of Eriochrome Black T and Tetracycline by NaOH-modified steel dust: Kinetic and process modeling. <i>Separation and Purification Technology</i> , 2022, 287, 120559.	3.9	33
22	Enhanced removal of Eriochrome Black T from water using biochar/layered double hydroxide/chitosan hybrid composite: Performance evaluation and optimization using BBD-RSM approach. <i>Environmental Research</i> , 2022, 209, 112861.	3.7	29
23	Adsorption and reusability performance of M-Fe (M = Co, Cu, Zn and Ni) layered double hydroxides for the removal of hazardous Eriochrome Black T dye from different water streams. <i>Journal of Water Process Engineering</i> , 2021, 42, 102060.	2.6	27
24	Comparative Adsorption of Anionic Dyes (Eriochrome Black T and Congo Red) onto Jojoba Residues: Isotherm, Kinetics and Thermodynamic Studies. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7275-7287.	1.7	25
25	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.	1.7	24
26	Influence of microwave irradiation on thermal properties of PVA and PVA/graphene nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 353-365.	2.0	23
27	Adsorption behaviour of green coffee residues for decolourization of hazardous congo red and eriochrome black T dyes from aqueous solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6405-6421.	1.8	21
28	Effect of modified graphene and microwave irradiation on the mechanical and thermal properties of poly(styrene-co-methyl methacrylate)/graphene nanocomposites. <i>Surface and Interface Analysis</i> , 2014, 46, 630-639.	0.8	20
29	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.	2.4	18
30	Microwave Foaming of Materials: An Emerging Field. <i>Polymers</i> , 2020, 12, 2477.	2.0	18
31	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
32	Impact of modified graphene and microwave irradiation on thermal stability and degradation mechanism of poly (styrene-co-methyl meth acrylate). <i>Thermochimica Acta</i> , 2016, 633, 48-55.	1.2	17
33	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
34	Enhanced Removal of Eriochrome Black T Using Graphene/NiMgAl-Layered Hydroxides: Isotherm, Kinetic, and Thermodynamic Studies. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7175-7189.	1.7	15
35	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
36	Production of magnetic biochar-steel dust composites for enhanced phosphate adsorption. <i>Journal of Water Process Engineering</i> , 2022, 47, 102793.	2.6	14

#	ARTICLE	IF	CITATIONS
37	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.	1.8	13
38	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
39	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.	1.2	11
40	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (Mn _{0.5} Zn _{0.5})[Cd _x Fe _{2-x}]O ₄ (x = 0.05) Nanospinel Ferrites. <i>Nanomaterials</i> , 2021, 11, 970.	1.9	10
41	Development and testing of cellulose nanocrystal-based concrete. <i>Case Studies in Construction Materials</i> , 2021, 15, e00761.	0.8	10
42	Engineered cellulose nanocrystals-based cement mortar from office paper waste: Flow, strength, microstructure, and thermal properties. <i>Journal of Building Engineering</i> , 2022, 51, 104345.	1.6	10
43	Synthesis and characterization of a series of cross-linked polyamines for removal of Erichrome Black T from aqueous solution. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 341-352.	1.7	9
44	Evaluation of mechanical and thermal properties of microwave irradiated poly (styrene-co-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	8
45	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
46	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
47	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
48	Highly efficient removal of Pb(II) ion from aqueous phase using surface modified graphene. Equilibrium and kinetic study. , 0, 80, 174-183.		5
49	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
50	Response surface modeling and optimization of sludge activated carbon production conditions for phenolic compounds removal from water. , 0, 100, 320-332.		3
51	A comparison of ANN and RSM models for anionic dye adsorption onto bentonite-clay intercalated cobalt-aluminum LDH nanocomposites. , 0, 179, 340-353.		3
52	Degree of conversion of two self-adhesive resin luting cements through different lengths of fiber post. <i>Journal of Oral Science</i> , 2021, 63, 125-128.	0.7	2
53	Removal zinc ions from contaminated soil using biodegradable polyaspartate via soil washing process. <i>Journal of Physics: Conference Series</i> , 2019, 1349, 012146.	0.3	1