

# Mukarram Zubair

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

1,214  
citations

16  
h-index

34  
g-index

53  
ext. papers

1,748  
ext. citations

4.7  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
52	Recent progress in layered double hydroxides (LDH)-containing hybrids as adsorbents for water remediation. <i>Applied Clay Science</i> , <b>2017</b> , 143, 279-292	5.2	265
51	Starch-NiFe-layered double hydroxide composites: Efficient removal of methyl orange from aqueous phase. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 249, 254-264	6	84
50	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> , <b>2017</b> , 230, 344-352	6	76
49	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> , <b>2017</b> , 14,	4.6	70
48	Bioremediation of dyes: Current status and prospects. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 38, 101680	6.7	62
47	Sustainable wastewater treatment by biochar/layered double hydroxide composites: Progress, challenges, and outlook. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124128	11	61
46	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> , <b>2018</b> , 43, 2167-2179 <sup>2-5</sup>	5.9	59
45	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> , <b>2020</b> , 231, 1	2.6	49
44	Bentonite-layered double hydroxide composite for enhanced aqueous adsorption of Eriochrome Black T. <i>Applied Clay Science</i> , <b>2018</b> , 161, 23-34	5.2	48
43	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> , <b>2018</b> , 25, 34319-34331	5.1	47
42	Comparative Adsorptive Removal of Phosphate and Nitrate from Wastewater Using Biochar-MgAl LDH Nanocomposites: Coexisting Anions Effect and Mechanistic Studies. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	34
41	Functionalized MgAl-layered hydroxide intercalated date-palm biochar for Enhanced Uptake of Cationic dye: Kinetics, isotherm and thermodynamic studies. <i>Applied Clay Science</i> , <b>2020</b> , 190, 105587	5.2	33
40	Magnetic Mg-Fe/LDH Intercalated Activated Carbon Composites for Nitrate and Phosphate Removal from Wastewater: Insight into Behavior and Mechanisms. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	27
39	Graphene/ternary layered double hydroxide composites: Efficient removal of anionic dye from aqueous phase. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 1057-1068	2.8	23
38	Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 342, 58-68	12.8	23
37	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> , <b>2020</b> , 1-17	1.8	16
36	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> , <b>2020</b> , 45, 7275-7287	2.5	15

35	Influence of microwave irradiation on thermal properties of PVA and PVA/graphene nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 353-365	4.1	15
34	Removal of pharmaceuticals from water using sewage sludge-derived biochar: A review. <i>Chemosphere</i> , <b>2021</b> , 289, 133196	8.4	14
33	Impact of modified graphene and microwave irradiation on thermal stability and degradation mechanism of poly (styrene-co-methyl meth acrylate). <i>Thermochimica Acta</i> , <b>2016</b> , 633, 48-55	2.9	14
32	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> , <b>2014</b> , 46, 630-639	1.5	13
31	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> , <b>2021</b> , 339, 116714	6	13
30	Synthesis, Characterization and Dye Adsorption Performance of Strontium Ferrite decorated Bentonite-CoNiAl Magnetic Composite. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 7397-7408 <sup>2.5</sup>	2.5	12
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> , <b>2020</b> , 24, 715-732	4.3	11
28	New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 44, 102440	6.7	10
27	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> , <b>2021</b> , 42, 102060	6.7	10
26	Sewage Sludge ZnCl-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> , <b>2020</b> , 21,	6.3	9
25	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , <b>2022</b> , 204, 112243	7.9	9
24	Evaluation of novel Mg/Al/Ni-BaFe ternary layered hydroxides uptake of methyl orange dye from water. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 2008-2022	2.8	9
23	Evaluation of mechanical and thermal properties of microwave irradiated poly (styrene-co-methyl methacrylate)/graphene nanocomposites. <i>Composite Interfaces</i> , <b>2015</b> , 22, 595-610	2.3	8
22	Enhanced adsorptive performance of Cr(VI) onto layered double hydroxide-bentonite composite: Isotherm, kinetic and thermodynamic studies. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 1897-1909	2.5	8
21	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> , <b>2021</b> , 23, 101614	7	8
20	Enhanced Removal of Eriochrome Black T Using Graphene/NiMgAl-Layered Hydroxides: Isotherm, Kinetic, and Thermodynamic Studies. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 7175-7189	2.5	7
19	Recent review on synthesis, evaluation, and SWOT analysis of nanostructured cellulose in construction applications. <i>Journal of Building Engineering</i> , <b>2021</b> , 46, 103747	5.2	7
18	Volcanic ashes 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> , <b>2021</b> , 127879	5.1	5

17	Comparative adsorption of Eriochrome Black T and Tetracycline by NaOH-modified steel dust: Kinetic and process modeling. <i>Separation and Purification Technology</i> , <b>2022</b> , 287, 120559	8.3	4
16	Highly efficient removal of Pb(II) ion from aqueous phase using surface modified graphene. Equilibrium and kinetic study80, 174-183		4
15	Comparative performance study of ZnCl <sub>2</sub> and NaOH sludge based activated carbon for simultaneous aqueous uptake of phenolic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2021</b> , 101, 2428-2452	1.8	4
14	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> , <b>2021</b> , 32, 341-352	3.2	4
13	Process Optimization and Modeling of Phenol Adsorption onto Sludge-Based Activated Carbon Intercalated MgAlFe Ternary Layered Double Hydroxide Composite. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
12	Microwave Foaming of Materials: An Emerging Field. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
11	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> , <b>2022</b> , 209, 112861	7.9	3
10	Development and testing of cellulose nanocrystal-based concrete. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00761	2.7	3
9	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (MnZn)[CdFe]O (x 0.05) Nanospinel Ferrites. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
8	Response surface modeling and optimization of sludge activated carbon production conditions for phenolic compounds removal from water100, 320-332		2
7	Cellulose Nanocrystals from Office Paper Waste for Green Mortar: Process Optimization Modeling, Characterization, and Mechanical Properties. <i>Arabian Journal for Science and Engineering</i> , <b>2022</b> , 47, 5377-5393	2.5	2
6	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> , <b>2020</b> , 1-18	1.8	1
5	Removal zinc ions from contaminated soil using biodegradable polyaspartate via soil washing process. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1349, 012146	0.3	1
4	Engineered cellulose nanocrystals-based cement mortar from office paper waste: Flow, strength, microstructure, and thermal properties. <i>Journal of Building Engineering</i> , <b>2022</b> , 51, 104345	5.2	1
3	Degree of conversion of two self-adhesive resin luting cements through different lengths of fiber post. <i>Journal of Oral Science</i> , <b>2021</b> , 63, 125-128	1.5	0
2	Comparative Adsorption of Eriochrome black T onto recyclable steel dust: Isotherm, Kinetics and Thermodynamic Studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 128828	5.1	0
1	Production of magnetic biochar-steel dust composites for enhanced phosphate adsorption. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 47, 102793	6.7	0