

# Muhammad Bilal

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

277  
citations

933447

10  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of levofloxacin from aqueous solution by green synthesized magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles using <i>Moringa olifera</i> : Kinetics and reaction mechanism analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112826.	6.0	54
2	Ultrasound-assisted adsorption of phenol from aqueous solution by using spent black tea leaves. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22920-22930.	5.3	35
3	Activated carbon from a specific plant precursor biomass for hazardous Cr(VI) adsorption and recovery studies in batch and column reactors: Isotherm and kinetic modeling. <i>Journal of Water Process Engineering</i> , 2020, 38, 101577.	5.6	33
4	Synthesis and Characterization of Fe-TiO <sub>2</sub> Nanomaterial: Performance Evaluation for RB5 Decolorization and In Vitro Antibacterial Studies. <i>Nanomaterials</i> , 2021, 11, 436.	4.1	24
5	Graphene quantum dot and iron co-doped TiO <sub>2</sub> photocatalysts: Synthesis, performance evaluation and phytotoxicity studies. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112855.	6.0	22
6	Role of sorption energy and chemisorption in batch methylene blue and Cu <sup>2+</sup> adsorption by novel thuja cone carbon in binary component system: linear and nonlinear modeling. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31579-31592.	5.3	19
7	Phosphoric Acid Activated Carbon from <i>Melia azedarach</i> Waste Sawdust for Adsorptive Removal of Reactive Orange 16: Equilibrium Modelling and Thermodynamic Analysis. <i>Molecules</i> , 2020, 25, 2118.	3.8	17
8	Photocatalytic Decolorization and Biocidal Applications of Nonmetal Doped TiO <sub>2</sub> : Isotherm, Kinetic Modeling and In Silico Molecular Docking Studies. <i>Molecules</i> , 2020, 25, 4468.	3.8	16
9	Influence of metallic species for efficient photocatalytic water disinfection: bactericidal mechanism of in vitro results using docking simulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39819-39831.	5.3	15
10	<i>Ligustrum lucidum</i> Leaf Extract-Assisted Green Synthesis of Silver Nanoparticles and Nano-Adsorbents Having Potential in Ultrasound-Assisted Adsorptive Removal of Methylene Blue Dye from Wastewater and Antimicrobial Activity. <i>Materials</i> , 2022, 15, 1637.	2.9	11
11	Water treatment by photodegradation on orthorhombic antimony sulfide powder and effect of key operational parameters using methyl orange as a model pollutant. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1117-1125.	4.9	10
12	Promising Low-Cost Adsorbent from Waste Green Tea Leaves for Phenol Removal in Aqueous Solution. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6396.	2.6	9
13	Natural dolomite as a low-cost adsorbent for efficient removal of As(III) from aqueous solutions. <i>Materials Research Express</i> , 2019, 6, 085535.	1.6	6
14	Bioenergy Potential of Albumin, Acetic Acid, Sucrose, and Blood in Microbial Fuel Cells Treating Synthetic Wastewater. <i>Processes</i> , 2021, 9, 1289.	2.8	4
15	Photocatalytic Inactivation of Bioaerosols: A Short Review on Emerging Technologies. <i>Current Analytical Chemistry</i> , 2020, 17, 31-37.	1.2	2