

# Jahan Zeb Hassan

## List of Publications by Year in descending order

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12  
papers

538  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dye degradation performance, bactericidal behavior and molecular docking analysis of Cu-doped TiO <sub>2</sub> nanoparticles. RSC Advances, 2020, 10, 24215-24233.	3.6	96
2	Photocatalytic and bactericidal properties and molecular docking analysis of TiO <sub>2</sub> nanoparticles conjugated with Zr for environmental remediation. RSC Advances, 2020, 10, 30007-30024.	3.6	82
3	2D chemically exfoliated hexagonal boron nitride (hBN) nanosheets doped with Ni: synthesis, properties and catalytic application for the treatment of industrial wastewater. Applied Nanoscience (Switzerland), 2020, 10, 3525-3528.	3.1	66
4	Application of Chemically Exfoliated Boron Nitride Nanosheets Doped with Co to Remove Organic Pollutants Rapidly from Textile Water. Nanoscale Research Letters, 2020, 15, 75.	5.7	65
5	A comparative study of dirac 2D materials, TMDCs and 2D insulators with regard to their structures and photocatalytic/sonophotocatalytic behavior. Applied Nanoscience (Switzerland), 2020, 10, 3875-3899.	3.1	47
6	Advances in Liquid-Phase and Intercalation Exfoliations of Transition Metal Dichalcogenides to Produce 2D Framework. Advanced Materials Interfaces, 2021, 8, 2002205.	3.7	43
7	h-BN nanosheets doped with transition metals for environmental remediation; a DFT approach and molecular docking analysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115365.	3.5	42
8	Evaluation of antibacterial and catalytic potential of copper-doped chemically exfoliated boron nitride nanosheets. Ceramics International, 2020, 46, 21073-21083.	4.8	33
9	Bactericidal behavior of chemically exfoliated boron nitride nanosheets doped with zirconium. Applied Nanoscience (Switzerland), 2020, 10, 2339-2349.	3.1	30
10	Molecular docking and DFT analyses of magnetic cobalt doped MoS <sub>2</sub> and BN nanocomposites for catalytic and antimicrobial explorations. Surfaces and Interfaces, 2021, 27, 101571.	3.0	19
11	Impact of Bi Doping into Boron Nitride Nanosheets on Electronic and Optical Properties Using Theoretical Calculations and Experiments. Nanoscale Research Letters, 2021, 16, 82.	5.7	11
12	Rational Design and Advance Applications of Transition Metal Oxides. , 0, , .		4