

Muhammad Z Iqbal

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

850
citations

567281
15
h-index

677142
22
g-index

25
all docs

25
docs citations

25
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	La- and Mn-Codoped Bismuth Ferrite/Ti ₃ C ₂ MXene Composites for Efficient Photocatalytic Degradation of Congo Red Dye. ACS Omega, 2019, 4, 8661-8668.	3.5	121
2	Ti ₃ C ₂ -MXene/Bismuth Ferrite Nanohybrids for Efficient Degradation of Organic Dyes and Colorless Pollutants. ACS Omega, 2019, 4, 20530-20539.	3.5	119
3	The high photocatalytic activity and reduced band gap energy of La and Mn co-doped BiFeO ₃ /graphene nanoplatelet (GNP) nanohybrids. RSC Advances, 2017, 7, 35928-35937.	3.6	76
4	Processable conductive graphene/polyethylene nanocomposites: Effects of graphene dispersion and polyethylene blending with oxidized polyethylene on rheology and microstructure. Polymer, 2016, 98, 143-155.	3.8	70
5	Oil spill cleanup using graphene. Environmental Science and Pollution Research, 2013, 20, 3271-3279.	5.3	56
6	Rheology and microstructure of dilute graphene oxide suspension. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	55
7	Congo Red Dye Degradation by Graphene Nanoplatelets/Doped Bismuth Ferrite Nanoparticle Hybrid Catalysts under Dark and Light Conditions. Catalysts, 2020, 10, 367.	3.5	38
8	Thermally reduced graphene: synthesis, characterization and dye removal applications. RSC Advances, 2013, 3, 24455.	3.6	36
9	Effect of solvent on the uncatalyzed synthesis of aminosilane-functionalized graphene. RSC Advances, 2014, 4, 6830-6839.	3.6	35
10	Enhanced electrochemical performance of vanadium carbide MXene composites for supercapacitors. APL Materials, 2022, 10, .	5.1	32
11	Thermal insulation using biodegradable poly(lactic acid)/date pit composites. Construction and Building Materials, 2020, 261, 120533.	7.2	30
12	Thermal Insulation and Mechanical Properties of Polylactic Acid (PLA) at Different Processing Conditions. Polymers, 2020, 12, 2091.	4.5	27
13	Nickel-adsorbed two-dimensional Nb ₂ C MXene for enhanced energy storage applications. RSC Advances, 2022, 12, 4624-4634.	3.6	26
14	Development and Performance Evaluation of Cellulose Acetate-Bentonite Mixed Matrix Membranes for CO ₂ Separation. Advances in Polymer Technology, 2020, 2020, 1-12.	1.7	21
15	Graphene/polypropylene nanocomposites with improved thermal and mechanical properties. Journal of Applied Polymer Science, 2021, 138, 50024.	2.6	20
16	Improvement of mechanical properties and water resistance of bio-based thermal insulation material via silane treatment. Journal of Cleaner Production, 2022, 346, 131242.	9.3	20
17	Date palm wood waste-based composites for green thermal insulation boards. Journal of Building Engineering, 2021, 43, 103224.	3.4	15
18	Synthesis and characterization of polyethylene/oxidized polyethylene miscible blends and role of OPE as a viscosity control. Journal of Applied Polymer Science, 2016, 133, .	2.6	10

#	ARTICLE	IF	CITATIONS
19	Thermally reduced graphene/polyethylene nanocomposites: effects of graphene on isothermal and nonisothermal crystallization of polyethylene. Heliyon, 2020, 6, e03589.	3.2	10
20	Silicon carbide-assisted co-existence of magnetic phases in well-optimized Ti3SiC2-etched MXene. Ceramics International, 2020, 46, 27419-27425.	4.8	9
21	Efficient removal of different basic dyes using graphene. , 0, 68, 226-235.		9
22	The Effect of Alkaline Treatment on Poly(lactic acid)/Date Palm Wood Green Composites for Thermal Insulation. Polymers, 2022, 14, 1143.	4.5	9
23	Sustainable heat insulation composites from date palm fibre reinforced poly(l-lactide). Journal of Building Engineering, 2022, 54, 104617.	3.4	5
24	Thermally reduced graphene/polypropylene nanocomposites: Effects of processing method on thermal, mechanical, and morphological properties. Journal of Polymer Research, 2022, 29, .	2.4	1
25	Isothermal Melt Crystallization of Polyethylene Nanocomposites With Thermally Reduced Graphene and Carbon Black. , 2019, , .		0