

# Muhammad Arshad

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

456  
citations

759190

12  
h-index

752679

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

540  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-Situ Nanoreinforced Green Bionanomaterials from Natural Keratin and Montmorillonite (MMT)/Cellulose Nanocrystals (CNC). ACS Sustainable Chemistry and Engineering, 2018, 6, 1977-1987.	6.7	61
2	Unravelling keratin-derived biopolymers as novel biosorbents for the simultaneous removal of multiple trace metals from industrial wastewater. Science of the Total Environment, 2019, 647, 1539-1546.	8.0	54
3	Fabrication of a Self-Healing, 3D Printable, and Reprocessable Biobased Elastomer. ACS Applied Materials & Interfaces, 2020, 12, 51927-51939.	8.0	41
4	Green Biocomposites from Nanoengineered Hybrid Natural Fiber and Biopolymer. ACS Sustainable Chemistry and Engineering, 2016, 4, 1785-1793.	6.7	38
5	Modified biopolymers as sorbents for the removal of naphthenic acids from oil sands process affected water (OSPW). Chemosphere, 2016, 163, 334-341.	8.2	37
6	Recent Advances in Lipid Derived Bio-Based Materials for Food Packaging Applications. Macromolecular Materials and Engineering, 2021, 306, 2000799.	3.6	29
7	PEG-lipid telechelics incorporating fatty acids from canola oil: synthesis, characterization and solution self-assembly. RSC Advances, 2014, 4, 26439.	3.6	25
8	Feather keratin derived sorbents for the treatment of wastewater produced during energy generation processes. Chemosphere, 2021, 273, 128545.	8.2	22
9	Remarkably Efficient Microwave-Assisted Cross-Metathesis of Lipids under Solvent-Free Conditions. ChemSusChem, 2017, 10, 2167-2174.	6.8	20
10	Synthesis of lipid-based amphiphilic block copolymer and its evaluation as nano drug carrier. Materials Science and Engineering C, 2017, 76, 217-223.	7.3	18
11	Additive manufacturing ferromagnetic polymers using stereolithography – Materials and process development. Manufacturing Letters, 2019, 21, 12-16.	2.2	18
12	Concurrent Modelling and Experimental Investigation of Material Properties and Geometries Produced by Projection Microstereolithography. Polymers, 2020, 12, 506.	4.5	16
13	Synthesis of Fully Biobased Polyesters from Plant Oil. ACS Sustainable Chemistry and Engineering, 2017, 5, 9793-9801.	6.7	14
14	Keratin as a Biopolymer. Springer Series on Polymer and Composite Materials, 2019, , 163-185.	0.7	14
15	Solvent-free rapid ethenolysis of fatty esters from spent hen and other lipidic feedstock with high turnover numbers. Journal of Industrial and Engineering Chemistry, 2020, 84, 42-45.	5.8	12
16	Lipid-derived monomer and corresponding bio-based nanocomposites. Polymer International, 2016, 65, 653-660.	3.1	10
17	Bio-composites from spent hen derived lipids grafted on CNC and reinforced with nanoclay. Carbohydrate Polymers, 2022, 281, 119082.	10.2	7
18	Drug encapsulation and release behavior of telechelic nanoparticles. Nanotechnology, 2015, 26, 415703.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Polymers for advanced applications. , 2020, , 325-340.		5
20	Lipid-derived renewable amphiphilic nanocarriers for drug delivery, biopolymer-based formulations. , 2020, , 283-310.		4
21	Facile fabrication of graphene oxide/poly(styrene-co-methyl methacrylate) nanocomposite with high toughness and thermal stability. Materials Today Communications, 2020, 25, 101633.	1.9	3
22	Microwave-Assisted Catalytic Synthesis of Bio-Based Copolymers from Waste Cooking Oil. Materials, 2017, 10, 315.	2.9	2
23	Renewable Biomaterials as Nanocarriers for Drug and Gene Delivery. , 2017, , 1-32.		1