

Muhammad Arshad

List of Publications by Year in descending order

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23
papers

456
citations

759190

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23
all docs

23
docs citations

23
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-composites from spent hen derived lipids grafted on CNC and reinforced with nanoclay. Carbohydrate Polymers, 2022, 281, 119082.	10.2	7
2	Feather keratin derived sorbents for the treatment of wastewater produced during energy generation processes. Chemosphere, 2021, 273, 128545.	8.2	22
3	Recent Advances in Lipid Derived Bio-Based Materials for Food Packaging Applications. Macromolecular Materials and Engineering, 2021, 306, 2000799.	3.6	29
4	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
5	Fabrication of a Self-Healing, 3D Printable, and Reprocessable Biobased Elastomer. ACS Applied Materials & Interfaces, 2020, 12, 51927-51939.	8.0	41
6	Concurrent Modelling and Experimental Investigation of Material Properties and Geometries Produced by Projection Microstereolithography. Polymers, 2020, 12, 506.	4.5	16
7	Lipid-derived renewable amphiphilic nanocarriers for drug delivery, biopolymer-based formulations. , 2020, , 283-310.		4
8	Polymers for advanced applications. , 2020, , 325-340.		5
9	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
10	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
11	Additive manufacturing ferromagnetic polymers using stereolithography – Materials and process development. Manufacturing Letters, 2019, 21, 12-16.	2.2	18
12	Keratin as a Biopolymer. Springer Series on Polymer and Composite Materials, 2019, , 163-185.	0.7	14
13	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
14	Remarkably Efficient Microwave-Assisted Cross-Metathesis of Lipids under Solvent-Free Conditions. ChemSusChem, 2017, 10, 2167-2174.	6.8	20
15	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
16	Synthesis of Fully Biobased Polyesters from Plant Oil. ACS Sustainable Chemistry and Engineering, 2017, 5, 9793-9801.	6.7	14
17	Microwave-Assisted Catalytic Synthesis of Bio-Based Copolymers from Waste Cooking Oil. Materials, 2017, 10, 315.	2.9	2
18	Renewable Biomaterials as Nanocarriers for Drug and Gene Delivery. , 2017, , 1-32.		1

#	ARTICLE	IF	CITATIONS
19	Lipid-derived monomer and corresponding bio-based nanocomposites. <i>Polymer International</i> , 2016, 65, 653-660.	3.1	10
20	Modified biopolymers as sorbents for the removal of naphthenic acids from oil sands process affected water (OSPW). <i>Chemosphere</i> , 2016, 163, 334-341.	8.2	37
21	Green Biocomposites from Nanoengineered Hybrid Natural Fiber and Biopolymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1785-1793.	6.7	38
22	Drug encapsulation and release behavior of telechelic nanoparticles. <i>Nanotechnology</i> , 2015, 26, 415703.	2.6	5
23	PEG-lipid telechelics incorporating fatty acids from canola oil: synthesis, characterization and solution self-assembly. <i>RSC Advances</i> , 2014, 4, 26439.	3.6	25