

Arit Das

List of Publications by Year in descending order

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times ranked

327
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of Polymer Rheology on Material Extrusion Additive Manufacturing: Correlating Process Physics to Print Properties. ACS Applied Polymer Materials, 2021, 3, 1218-1249.	4.4	116
2	Current understanding and challenges in high temperature additive manufacturing of engineering thermoplastic polymers. Additive Manufacturing, 2020, 34, 101218.	3.0	68
3	Material Extrusion-Based Additive Manufacturing with Blends of Polypropylene and Hydrocarbon Resins. ACS Applied Polymer Materials, 2020, 2, 911-921.	4.4	42
4	Advances in modeling transport phenomena in material-extrusion additive manufacturing: Coupling momentum, heat, and mass transfer. Progress in Additive Manufacturing, 2021, 6, 3-17.	4.8	27
5	Rheological investigation of nylon-carbon fiber composites fabricated using material extrusion-based additive manufacturing. Polymer Composites, 2021, 42, 6010-6024.	4.6	27
6	Photocatalytic Degradation of Polycyclic Aromatic Hydrocarbons in Water by 3D Printed TiO ₂ Composites. ACS ES&T Water, 2022, 2, 137-147.	4.6	20
7	Additive Manufacturing for Contaminants: Ammonia Removal Using 3D Printed Polymer-Zeolite Composites. ACS ES&T Water, 2021, 1, 621-629.	4.6	16
8	Fabrication of a sulfonated aramid-graphene nanoplatelet composite paper and its performance as a supercapacitor electrode. Journal of Applied Polymer Science, 2017, 134, 45099.	2.6	13
9	High shear capillary rheometry of cellulose nanocrystals for industrially relevant processing. Carbohydrate Polymers, 2020, 231, 115735.	10.2	13
10	Covalent functionalization of graphene using polyacryloyl chloride and performance of functionalized graphene-epoxy nanocomposite. Polymer Composites, 2018, 39, 3119-3128.	4.6	9
11	Development of Mango Peel Derived Activated Carbon-Nickel Nanocomposite as an Adsorbent towards Removal of Heavy Metal and Organic Dye Removal from Aqueous Solution. ChemistrySelect, 2020, 5, 14168-14176.	1.5	6
12	Nanoribbons fabricated by melt electrospinning. Polymer Journal, 2021, 53, 493-503.	2.7	5
13	Characterizing friction for fiber reinforced composites manufacturing: Method development and effect of process parameters. Composites Part B: Engineering, 2022, 236, 109777.	12.0	5
14	Development of copper-iron bimetallic nanoparticle impregnated activated carbon derived from coconut husk and its efficacy as a novel adsorbent toward the removal of chromium (VI) from aqueous solution. Water Environment Research, 2021, 93, 1417-1427.	2.7	4
15	Ageing of PBF-Grade Poly(Phenylene Sulfide) Powder and its Effect on Critical Printability Properties. Macromolecular Materials and Engineering, 2021, 306, 2000599.	3.6	3
16	Edge Stitching of Graphene Nanoplatelets (GNPs) and Their Effectiveness as a Filler for Epoxy Nanocomposites. ChemistrySelect, 2017, 2, 5769-5774.	1.5	2
17	Enabling mechanically adaptive 4D printing with cellulose nanocrystals. Green Materials, 0, , 1-11.	2.1	2