Maruti Hegde

List of Publications by Year
in descending order

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		759233	713466
21	539	12	21
papers	citations	h-index	g-index

22	22	22	721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D Printing Allâ€Aromatic Polyimides using Maskâ€Projection Stereolithography: Processing the Nonprocessable. Advanced Materials, 2017, 29, 1701240.	21.0	131
2	All-aromatic SWCNT-Polyetherimide nanocomposites for thermal energy harvesting applications. Composites Science and Technology, 2018, 156, 158-165.	7.8	55
3	3D Printing Latex: A Route to Complex Geometries of High Molecular Weight Polymers. ACS Applied Materials & Interfaces, 2020, 12, 10918-10928.	8.0	46
4	Synthesis and characterization of isocyanate-free polyureas. Green Chemistry, 2018, 20, 243-249.	9.0	40
5	Double helical conformation and extreme rigidity in a rodlike polyelectrolyte. Nature Communications, 2019, 10, 801.	12.8	36
6	SWCNT Induced Crystallization in an Amorphous All-Aromatic Poly(ether imide). Macromolecules, 2013, 46, 1492-1503.	4.8	34
7	The role of crystallinity in SWCNTâ€“polyetherimide nanocomposites. Composites Science and Technology, 2015, 110, 176-187.	7.8	33
8	Strong graphene oxide nanocomposites from aqueous hybrid liquid crystals. Nature Communications, 2020, 11, 830.	12.8	30
9	SWCNT induced crystallization in amorphous and semi-crystalline poly(etherimide)s: Morphology and thermo-mechanical properties. Polymer, 2014, 55, 3746-3757.	3.8	25
10	Nanofibrillar Ionic Polymer Composites Enable High-Modulus Ion-Conducting Membranes. ACS Applied Materials & Interfaces, 2019, 11, 40551-40563.	8.0	18
11	Synthesis and characterization of aromatic-PDMS segmented block copolymers and their shape-memory performance. Polymer Chemistry, 2019, 10, 5052-5069.	3.9	17
12	3D Printing Carbonaceous Objects from Polyimide Pyrolysis. ACS Macro Letters, 2021, 10, 412-418.	4.8	14
13	Molecular ordering in the high-temperature nematic phase of an all-aromatic liquid crystal. Soft Matter, 2016, 12, 2309-2314.	2.7	10
14	Synthesis and characterization of a nematic fully aromatic polyester based on biphenyl 3,4â€²-dicarboxylic acid. Polymer Chemistry, 2019, 10, 4287-4296.	3.9	9
15	Supramolecular Salts for Additive Manufacturing of Polyimides. ACS Applied Materials & Interfaces, 2021, 13, 48061-48070.	8.0	9
16	Liquid crystal thermosets. A new class of high-performance materials. Liquid Crystals, 2020, 47, 2016-2026.	2.2	6
17	Irreversible Shear-Activated Gelation of a Liquid Crystalline Polyelectrolyte. ACS Macro Letters, 2020, 9, 957-963.	4.8	6
18	Tunable Anion Exchange Membrane Conductivity and Permselectivity via Non-Covalent, Hydrogen Bond Cross-Linking. ACS Applied Materials & Interfaces, 2021, 13, 52647-52658.	8.0	6

#	Article	IF	Citations
19	Synthesis and Characterization of Long-Chain Branched Poly(ether imide)s with A3 Comonomers. ACS Applied Polymer Materials, 2020, 2, 958-965.	4.4	5
20	Chemistry and Properties of Cross-Linked All-Aromatic Hyperbranched Polyaryletherketones. Macromolecules, 2022, 55, 100-112.	4.8	5
21	High-Strength Liquid Crystal Polymerâ€“Graphene Oxide Nanocomposites from Water. ACS Applied Materials & Interfaces, 2022, 14, 16592-16600.	8.0	4