

Mostafa Yourdkhani

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

935
citations

566801

15
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid energy-efficient manufacturing of polymers and composites via frontal polymerization. <i>Nature</i> , 2018, 557, 223-227.	13.7	312
2	Vibrations and stability of axially traveling laminated beams. <i>Applied Mathematics and Computation</i> , 2010, 217, 545-556.	1.4	67
3	Fully Recyclable Metastable Polymers and Composites. <i>Chemistry of Materials</i> , 2019, 31, 398-406.	3.2	53
4	Thermal, oxygen barrier and mechanical properties of poly(lactide)-organoclay nanocomposites. <i>Composites Science and Technology</i> , 2013, 82, 47-53.	3.8	52
5	Frontal polymerization of unidirectional carbon-fiber-reinforced composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 130, 105689.	3.8	45
6	3D Printing of Short-Carbon-Fiber-Reinforced Thermoset Polymer Composites via Frontal Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16694-16702.	4.0	44
7	Multiscale mechanics and optimization of gastropod shells. <i>Journal of Bionic Engineering</i> , 2011, 8, 357-368.	2.7	37
8	Carbon nanotube-reinforced carbon fibre-epoxy composites manufactured by resin film infusion. <i>Composites Science and Technology</i> , 2018, 166, 169-175.	3.8	35
9	Quantitative Dispersion Analysis of Inclusions in Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 35-41.	4.0	34
10	Photothermal Initiation of Frontal Polymerization Using Carbon Nanoparticles. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4690-4696.	2.0	34
11	Rapid synchronized fabrication of vascularized thermosets and composites. <i>Nature Communications</i> , 2021, 12, 2836.	5.8	30
12	Low-Ceiling-Temperature Polymer Microcapsules with Hydrophobic Payloads via Rapid Emulsion-Solvent Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20115-20123.	4.0	28
13	Nanoreinforced epoxy and adhesive joints incorporating boron nitride nanotubes. <i>International Journal of Adhesion and Adhesives</i> , 2018, 84, 194-201.	1.4	27
14	A systematic study on dispersion stability of carbon nanotube-modified epoxy resins. <i>Carbon</i> , 2015, 81, 251-259.	5.4	25
15	Self-Regulative Direct Ink Writing of Frontally Polymerizing Thermoset Polymers. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	22
16	Dispersion stability in carbon nanotube modified polymers and its effect on the fracture toughness. <i>Nanotechnology</i> , 2012, 23, 315701.	1.3	17
17	Influence of the reaction stoichiometry on the mechanical and thermal properties of SWCNT-modified epoxy composites. <i>Nanotechnology</i> , 2013, 24, 265701.	1.3	13
18	Effect of resin staging on frontal polymerization of dicyclopentadiene. <i>Journal of Polymer Science</i> , 2021, 59, 1732-1739.	2.0	13

#	ARTICLE	IF	CITATIONS
19	Encapsulation of grape seed extract in polylactide microcapsules for sustained bioactivity and time-dependent release in dental material applications. <i>Dental Materials</i> , 2017, 33, 630-636.	1.6	12
20	Electrothermal Performance of Heaters Based on Laser-Induced Graphene on Aramid Fabric. <i>ACS Omega</i> , 2022, 7, 3746-3757.	1.6	12
21	Efficient cross-section preparation method for high-resolution imaging of hard polymer composites with a scanning electron microscope. <i>Journal of Microscopy</i> , 2015, 260, 117-124.	0.8	10
22	Fabrication of pH-responsive monodisperse microcapsules using interfacial tension of immiscible phases. <i>Soft Matter</i> , 2020, 16, 5139-5147.	1.2	10
23	Proanthocyanidin encapsulation for sustained bioactivity in dentin bioadhesion: A two-year study. <i>Dental Materials</i> , 2022, 38, 421-430.	1.6	3