

Chengzhen Geng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,104
citations

471509

17
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610901

24
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all docs

25
docs citations

25
times ranked

1221
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying Complex Evolution of Hyperelastic Materials under External Field Stimuli using Artificial Neural Networks with Spatiotemporal Features in a Small-Scale Dataset. <i>Advanced Materials</i> , 2022, 34, e2200908.	21.0	7
2	Superior Low-Temperature Reversible Adhesion Based on Bio-Inspired Microfibrillar Adhesives Fabricated by Phenyl Containing Polydimethylsiloxane Elastomers. <i>Advanced Functional Materials</i> , 2021, 31, 2101143.	14.9	30
3	Chemically stable thioether cross-linked membranes derived from sulfonated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	2
4	Design and Preparation of a Unique Segregated Double Network with Excellent Thermal Conductive Property. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7637-7647.	8.0	155
5	Effect of supercritical carbon dioxide treatment on structure and mechanical properties of Î²-nucleated polypropylene processed at different temperatures. <i>Polymer Testing</i> , 2017, 60, 211-219.	4.8	5
6	Simultaneously reduced viscosity and enhanced strength of liquid silicone rubber/silica composites by silica surface modification. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45544.	2.6	33
7	Encapsulation of Cyclotetramethylenetetranitramine (HMX) by Electrostatically Self-Assembled Graphene Oxide for Desensitization. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1057-1065.	1.6	16
8	Rheological and mechanical properties of polyphenylene sulfide reinforced with round and rectangle cross-section glass fibers. <i>High Performance Polymers</i> , 2017, 29, 849-856.	1.8	4
9	Impact toughness of polypropylene/glass fiber composites: Interplay between intrinsic toughening and extrinsic toughening. <i>Composites Part B: Engineering</i> , 2016, 92, 413-419.	12.0	41
10	Synergetic effects of a matrix crystalline structure and chain mobility on the low temperature toughness of polypropylene/ethylene-octene copolymer blends. <i>RSC Advances</i> , 2015, 5, 54488-54496.	3.6	27
11	Enhanced interfacial adhesion via interfacial crystallization between sisal fiber and isotactic polypropylene: direct evidence from single-fiber fragmentation testing. <i>Polymer International</i> , 2014, 63, 646-651.	3.1	19
12	Largely improved toughness of polypropylene/long glass fiber composites by Î²-modification and annealing. <i>Composites Science and Technology</i> , 2014, 96, 56-62.	7.8	31
13	Towards high-performance polypropylene and its random copolymer: Insight into toughening mechanism of supercritical carbon dioxide assisted annealing. <i>Journal of Supercritical Fluids</i> , 2014, 87, 83-92.	3.2	17
14	Strong and conductive double-network graphene/PVA gel. <i>RSC Advances</i> , 2014, 4, 39588.	3.6	31
15	Hierarchical structure and unique impact behavior of polypropylene/ethylene-octene copolymer blends as obtained via dynamic packing injection molding. <i>Polymer</i> , 2013, 54, 3392-3401.	3.8	51
16	Toward environment-friendly composites of poly(propylene carbonate) reinforced with cellulose nanocrystals. <i>Composites Science and Technology</i> , 2013, 78, 63-68.	7.8	48
17	Property reinforcement of poly(propylene carbonate) by simultaneous incorporation of poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock	7.8	42
18	Significant reinforcement of poly(propylene carbonate): Nanostructured polymer composites of poly(propylene carbonate)/poly(methyl methacrylate) via a supercritical carbon dioxide route. <i>Journal of Supercritical Fluids</i> , 2013, 82, 200-205.	3.2	10

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19	Interfacial strength and mechanical properties of biocomposites based on ramie fibers and poly(butylene succinate). RSC Advances, 2013, 3, 26418.	3.6	44
20	Fabrication of well-controlled porous foams of graphene oxide modified poly(propylene-carbonate) using supercritical carbon dioxide and its potential tissue engineering applications. Journal of Supercritical Fluids, 2013, 73, 1-9.	3.2	51
21	New piezoelectric damping composites of poly(vinylidene fluoride) blended with clay and multi-walled carbon nanotubes. Polymer International, 2012, 61, 934-938.	3.1	16
22	Dependence of mechanical properties on β -form content and crystalline morphology for β -nucleated isotactic polypropylene. Polymers for Advanced Technologies, 2011, 22, 2044-2054.	3.2	74
23	Shear induced fiber orientation, fiber breakage and matrix molecular orientation in long glass fiber reinforced polypropylene composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3169-3176.	5.6	76
24	New Understanding in Tuning Toughness of β -Polypropylene: The Role of β -Nucleated Crystalline Morphology. Macromolecules, 2009, 42, 9325-9331.	4.8	274