Aihua Du

List of Publications by Year
in descending order

16	135	1307594 7	1281871 11
papers	citations	h-index	g-index

16	16	16	101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epoxidation of high transâ€1,4â€polyisoprene and its properties. Journal of Applied Polymer Science, 2008, 107, 2986-2993.	2.6	28
2	Preparation of epoxidized Eucommia ulmoides gum and its application in styreneâ€butadiene rubber (SBR)/silica composites. Polymers for Advanced Technologies, 2017, 28, 94-101.	3.2	27
3	The Characterization of Pyrolytic Carbon Black Prepared from Used Tires and Its Application in Styreneâ€“Butadiene Rubber (SBR). Journal of Macromolecular Science - Physics, 2008, 47, 268-275.	1.0	19
4	Molecularly engineered dual-crosslinked elastomer vitrimers with superior strength, improved creep resistance, and retained malleability. Polymer Chemistry, 2022, 13, 4144-4153.	3.9	13
5	Interactions Between an Ionic Liquid and Silica, Silica and Silica, and Rubber and Silica and Their Effects on the Properties of Styrene-Butadiene Rubber Composites. Journal of Macromolecular Science - Physics, 2019, 58, 99-112.	1.0	10
6	Damping and Electromechanical Behavior of Ionic-Modified Brominated Poly(isobutylene-co-isoprene) Rubber Containing Petroleum Resin C5. Industrial & Engineering Chemistry Research, 2022, 61, 3063-3074.	3.7	10
7	Facile fabrication of a superhydrophobic surface from naturalEucommiarubber. Polymers for Advanced Technologies, 2017, 28, 1125-1131.	3.2	9
8	Comparison of crystallization behavior of Trans-1,4-polyisoprene under different crystallization temperature, pressure and tension. Journal of Polymer Research, 2019, 26, 1.	2.4	4
9	Properties and Application of Lowâ€Molecularâ€Weight Highâ€Transâ€1,4â€Polyisoprene. Journal of Macromolecular Science - Physics, 2008, 47, 358-367.	1.0	3
10	The Effect of Network Structure on Compressive Fatigue Behavior of Unfilled Styrene-Butadiene Rubber. Advances in Materials Science and Engineering, 2020, 2020, 1-9.	1.8	3
11	Compressive Fatigue Behavior of Gum and Filled SBR Vulcanizates. Polymers, 2021, 13, 1497.	4.5	3
12	Hollow glass microsphere as a lightâ€weight composites with good gas barrier property. Journal of Vinyl and Additive Technology, 2018, 24, 224-228.	3.4	2
13	Effects of tension fatigue on the structure and properties of carbon black filled-SBR and SBR/TPI blends. Journal of Polymer Engineering, 2019, 40, 13-20.	1.4	2
14	The Effect of Oilâ€Extension on the Properties of TPI and TPI/SBR Vulcanizates. Journal of Macromolecular Science - Physics, 2008, 47, 765-773.	1.0	1
15	Effects of Chlorinated Trans-1,4-polyisoprene on Cure, Morphology, and Mechanical Properties of Neoprene Blends and Their Vulcanizates. Journal of Macromolecular Science - Physics, 2010, 49, 479-486.	1.0	1
16	Solvent-Induced Programable Wettability/Transparency Transition of Electrospun Colloidal Fibers with Embedded Polymer Nanospheres for Oil Adsorption and Plastic Remediation. ACS Applied Nano Materials, 2022, 5, 5346-5355.	5.0	0