

Christoph Baumann

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

339
citations

1162367

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1199166

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all docs

12
docs citations

12
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer mechanochemistry-enabled pericyclic reactions. <i>Polymer Chemistry</i> , 2020, 11, 2274-2299.	1.9	75
2	Anti-Stokes Stress Sensing: Mechanochemical Activation of Triplet-Triplet Annihilation Photon Upconversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12919-12923.	7.2	68
3	Multicolor Mechanofluorophores for the Quantitative Detection of Covalent Bond Scission in Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13287-13293.	7.2	43
4	Fractography of poly(<i>N</i> -isopropylacrylamide) hydrogel networks crosslinked with mechanofluorophores using confocal laser scanning microscopy. <i>Polymer Chemistry</i> , 2020, 11, 358-366.	1.9	38
5	Quantifying Rate- and Temperature-Dependent Molecular Damage in Elastomer Fracture. <i>Physical Review X</i> , 2020, 10, .	2.8	35
6	Going with the Flow: Tunable Flow-Induced Polymer Mechanochemistry. <i>Advanced Functional Materials</i> , 2020, 30, 2002372.	7.8	26
7	Shear-Induced Structural and Functional Transformations of Poly(<i>N</i> -vinylcaprolactam) Microgels. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1682-1691.	2.0	23
8	Anti-Stokes-Belastungsanzeige: Mechanochemische Aktivierung der Triplet-Triplet-Annihilierung-Photonen-Hochkonversion. <i>Angewandte Chemie</i> , 2019, 131, 13051-13055.	1.6	10
9	Confocal Microscopy Visualizes Particle-Crack Interactions in Epoxy Composites with Optical Force Probe-Cross-Linked Rubber Particles. <i>Macromolecules</i> , 2022, 55, 1060-1066.	2.2	8
10	Mehrfarbige Mechanofluorophore für die quantitative Anzeige kovalenter Bindungsbrüche in Polymeren. <i>Angewandte Chemie</i> , 2021, 133, 13398-13404.	1.6	7
11	Triazole-Extended Anthracenes as Optical Force Probes. <i>Synlett</i> , 2022, 33, 875-878.	1.0	4
12	Polymer Mechanochemistry: Going with the Flow: Tunable Flow-Induced Polymer Mechanochemistry (<i>Adv. Funct. Mater.</i> 27/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070180.	7.8	2