

Johnathan N Brantley

List of Publications by Year in descending order

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18
papers

1,006
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1301
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for activating and characterizing mechanically responsive polymers. <i>Chemical Society Reviews</i> , 2013, 42, 7130.	38.1	146
2	Polymer mechanochemistry: the design and study of mechanophores. <i>Polymer International</i> , 2013, 62, 2-12.	3.1	135
3	Molecular Catch Bonds and the Anti-Hammond Effect in Polymer Mechanochemistry. <i>Journal of the American Chemical Society</i> , 2013, 135, 12722-12729.	13.7	118
4	Chemical reactions modulated by mechanical stress: Extended Bell theory. <i>Journal of Chemical Physics</i> , 2011, 135, 164103.	3.0	101
5	Isolation and Reactivity of Trifluoromethyl Iodonium Salts. <i>ACS Central Science</i> , 2016, 2, 341-350.	11.3	78
6	Regiochemical Effects on Molecular Stability: A Mechanochemical Evaluation of 1,4- and 1,5-Disubstituted Triazoles. <i>Journal of the American Chemical Society</i> , 2012, 134, 9882-9885.	13.7	54
7	Mechanobiochemistry: harnessing biomacromolecules for force-responsive materials. <i>Polymer Chemistry</i> , 2013, 4, 3916.	3.9	44
8	1,6-Enyne Cyclizations Catalyzed by N -Heterocyclic Carbene Supported Gold Complexes: Deconvoluting Sterics and Electronics. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 493-497.	2.4	29
9	Mechanically Modulating the Photophysical Properties of Fluorescent Protein Biocomposites for Ratio- and Intensiometric Sensors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5088-5092.	13.8	28
10	Controlled Polymerization of \hat{I}^2 -Pinadiene: Accessing Unusual Polymer Architectures with Biomass-Derived Monomers. <i>ACS Macro Letters</i> , 2020, 9, 595-599.	4.8	19
11	Squeezing New Life Out of Polymers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3806-3808.	13.8	16
12	General Access to Allene-Containing Polymers Using the Skattebøl Rearrangement. <i>ACS Macro Letters</i> , 2020, 9, 1662-1666.	4.8	13
13	Vinyl-addition polymerizations of cycloallenes: synthetic access to congeners of cyclic-olefin polymers. <i>Polymer Chemistry</i> , 2020, 11, 5578-5581.	3.9	12
14	Electroediting of Soft Polymer Backbones. <i>Journal of the American Chemical Society</i> , 2022, 144, 8885-8891.	13.7	12
15	Synthesis and Reactivity of Metallocarbene-Containing Polymers. <i>Journal of the American Chemical Society</i> , 2019, 141, 12453-12457.	13.7	8
16	Vinyl-Addition Polymerizations of Borylated Allenes. <i>Macromolecules</i> , 2021, 54, 8822-8828.	4.8	6
17	Exploring Combinatorial Approaches to Polymer Diversification. <i>Macromolecules</i> , 2020, 53, 9287-9293.	4.8	5
18	Ion specific fluorescence modulation of polyvinyl alcohol-boronate matrices. <i>Polymer Chemistry</i> , 2020, 11, 1919-1925.	3.9	4