

Deborah K Schneiderman

List of Publications by Year in descending order

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21
papers

2,027
citations

394421

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all docs

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docs citations

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times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>50th Anniversary Perspective</i>: There Is a Great Future in Sustainable Polymers. <i>Macromolecules</i> , 2017, 50, 3733-3749.	4.8	700
2	Aliphatic Polyester Block Polymer Design. <i>Macromolecules</i> , 2016, 49, 2419-2428.	4.8	200
3	Scalable production of mechanically tunable block polymers from sugar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8357-8362.	7.1	159
4	Chemically Recyclable Biobased Polyurethanes. <i>ACS Macro Letters</i> , 2016, 5, 515-518.	4.8	143
5	Tough and Sustainable Graft Block Copolymer Thermoplastics. <i>ACS Macro Letters</i> , 2016, 5, 407-412.	4.8	94
6	Synthesis and Melt Processing of Sustainable Poly(ϵ -decalactone)- <i>block</i> -Poly(lactide) Multiblock Thermoplastic Elastomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2519-2526.	6.7	88
7	Toughening Glassy Poly(lactide) with Block Copolymer Micelles. <i>ACS Macro Letters</i> , 2016, 5, 359-364.	4.8	83
8	Poly(lactide)- <i>block</i> -poly(ϵ -caprolactone-co- ϵ -decalactone)- <i>block</i> -poly(lactide) copolymer elastomers. <i>Polymer Chemistry</i> , 2015, 6, 3641-3651.	3.9	78
9	Multiblock Polyesters Demonstrating High Elasticity and Shape Memory Effects. <i>Macromolecules</i> , 2018, 51, 2466-2475.	4.8	71
10	Renewable, Degradable, and Chemically Recyclable Cross-Linked Elastomers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11097-11106.	3.7	70
11	Design of Graft Block Polymer Thermoplastics. <i>Macromolecules</i> , 2016, 49, 9108-9118.	4.8	64
12	Open-to-Air RAFT Polymerization in Complex Solvents: From Whisky to Fermentation Broth. <i>ACS Macro Letters</i> , 2018, 7, 406-411.	4.8	48
13	Oligothiophene Tetracyanobutadienes: Alternative Donor-Acceptor Architectures for Molecular and Polymeric Materials. <i>Chemistry of Materials</i> , 2011, 23, 823-831.	6.7	42
14	Printable, Degradable, and Biocompatible Ion Gels from a Renewable ABA Triblock Polyester and a Low Toxicity Ionic Liquid. <i>ACS Macro Letters</i> , 2017, 6, 1083-1088.	4.8	41
15	Sustainable Polymers in the Organic Chemistry Laboratory: Synthesis and Characterization of a Renewable Polymer from ϵ -Decalactone and ϵ -Lactide. <i>Journal of Chemical Education</i> , 2014, 91, 131-135.	2.3	37
16	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , 2017, 94, 1629-1638.	2.3	31
17	Optically Active ϵ -Methyl- ϵ -Valerolactone: Biosynthesis and Polymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4396-4402.	6.7	21
18	Branched Diol Monomers from the Sequential Hydrogenation of Renewable Carboxylic Acids. <i>ChemCatChem</i> , 2016, 8, 3031-3035.	3.7	21

#	ARTICLE	IF	CITATIONS
19	Polymeric Medical Sutures: An Exploration of Polymers and Green Chemistry. Journal of Chemical Education, 2017, 94, 1761-1765.	2.3	19
20	Filler-Reinforced Elastomers Based on Functional Polyolefin Prepolymers. Industrial & Engineering Chemistry Research, 2016, 55, 6106-6112.	3.7	11
21	Synthesis and Study of Sustainable Polymers in the Organic Chemistry Laboratory: An Inquiry-Based Experiment Exploring the Effects of Size and Composition on the Properties of Renewable Block Polymers. ACS Symposium Series, 2016, , 123-147.	0.5	6