

Dylan J Walsh

List of Publications by Year in descending order

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17
papers

843
citations

687363

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888059

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times ranked

902
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid, interface-driven domain orientation in bottlebrush diblock copolymer films during thermal annealing. <i>Soft Matter</i> , 2022, 18, 1666-1677.	2.7	5
2	Concentration-Driven Self-Assembly of PS- <i>b</i> -PLA Bottlebrush Diblock Copolymers in Solution. <i>ACS Polymers Au</i> , 2022, 2, 232-244.	4.1	8
3	Implicit Side-Chain Model and Experimental Characterization of Bottlebrush Block Copolymer Solution Assembly. <i>Macromolecules</i> , 2021, 54, 3620-3633.	4.8	8
4	<sc>PolyChemPrint</sc>: A hardware and software framework for benchtop additive manufacturing of functional polymeric materials. <i>Journal of Polymer Science</i> , 2021, 59, 2468-2478.	3.8	3
5	Color, structure, and rheology of a diblock bottlebrush copolymer solution. <i>Soft Matter</i> , 2020, 16, 4919-4931.	2.7	19
6	General route to design polymer molecular weight distributions through flow chemistry. <i>Nature Communications</i> , 2020, 11, 3094.	12.8	83
7	Tunable structural color of bottlebrush block copolymers through direct-write 3D printing from solution. <i>Science Advances</i> , 2020, 6, eaaz7202.	10.3	124
8	Challenges of Size-Exclusion Chromatography for the Analysis of Bottlebrush Polymers. <i>Macromolecules</i> , 2020, 53, 8610-8620.	4.8	23
9	Mechanistic and Kinetic Studies of the Ring Opening Metathesis Polymerization of Norbornenyl Monomers by a Grubbs Third Generation Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 17918-17925.	13.7	46
10	Recent Trends in Catalytic Polymerizations. <i>ACS Catalysis</i> , 2019, 9, 11153-11188.	11.2	194
11	Dilute solution structure of bottlebrush polymers. <i>Soft Matter</i> , 2019, 15, 2928-2941.	2.7	68
12	Engineering of Molecular Geometry in Bottlebrush Polymers. <i>Macromolecules</i> , 2019, 52, 4847-4857.	4.8	50
13	Macromolecules with programmable shape, size, and chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1538-1542.	7.1	70
14	One-Pot Synthesis of Block Copolymers Containing a Polyolefin Block. <i>Macromolecules</i> , 2018, 51, 10167-10173.	4.8	16
15	Catalytic synthesis of functionalized (polar and non-polar) polyolefin block copolymers. <i>Chemical Science</i> , 2018, 9, 4703-4707.	7.4	25
16	Development and Mechanistic Study of Quinoline-Directed Acyl C=O Bond Activation and Alkene Oxyacylation Reactions. <i>Journal of Organic Chemistry</i> , 2017, 82, 2972-2983.	3.2	17
17	Kinetic Study of Living Ring-Opening Metathesis Polymerization with Third-Generation Grubbs Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 13644-13647.	13.7	84