

Dylan J Walsh

List of Publications by Year in descending order

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843
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687363

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888059

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17
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902
citing authors

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