

Cheol Kang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Controlled Living Cascade Polymerization To Make Fully Degradable Sugar-Based Polymers from α -Glucose and α -Galactose. Journal of the American Chemical Society, 2019, 141, 12207-12211.	13.7	58
2	Cascade Polymerization via Controlled Tandem Olefin Metathesis/Metallotropic 1,3-Shift Reactions for the Synthesis of Fully Conjugated Polyenynes. Journal of the American Chemical Society, 2017, 139, 11309-11312.	13.7	36
3	Living Polymerization Caught in the Act: Direct Observation of an Arrested Intermediate in Metathesis Polymerization. Journal of the American Chemical Society, 2019, 141, 10039-10047.	13.7	28
4	Mechanistic Investigations on the Competition between the Cyclopolymerization and [2 + 2 + 2] Cycloaddition of 1,6-Heptadiyne Derivatives Using Second-Generation Grubbs Catalysts. Macromolecules, 2016, 49, 6240-6250.	4.8	21
5	Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release. Angewandte Chemie - International Edition, 2021, 60, 849-855.	13.8	21
6	Successful Cyclopolymerization of 1,6-Heptadiynes Using First-Generation Grubbs Catalyst Twenty Years after Its Invention: Revealing a Comprehensive Picture of Cyclopolymerization Using Grubbs Catalysts. Macromolecules, 2017, 50, 3153-3163.	4.8	20
7	Living Metathesis and Metallotropy Polymerization Gives Conjugated Polyenynes from Multialkynes: How to Design Sequence-Specific Cascades for Polymers. Journal of the American Chemical Society, 2018, 140, 16320-16329.	13.7	15
8	Controlled Cyclopolymerization of 1,5-Hexadiynes to Give Narrow Band Gap Conjugated Polyacetylenes Containing Highly Strained Cyclobutenes. Journal of the American Chemical Society, 2020, 142, 17140-17146.	13.7	14
9	Synthesis of Conjugated Polyenynes with Alternating Six- and Five-Membered Rings via β -Selective Cascade Metathesis and Metallotropy Polymerization. ACS Macro Letters, 2020, 9, 339-343.	4.8	5
10	Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release. Angewandte Chemie, 2021, 133, 862-868.	2.0	3
11	Titelbild: Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release (Angew. Chem. 2/2021). Angewandte Chemie, 2021, 133, 521-521.	2.0	0