

Ki-Taek Bang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

853
citations

567281

15
h-index

888059

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g-index

19
all docs

19
docs citations

19
times ranked

826
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Living Light-Induced Crystallization-Driven Self-Assembly for Rapid Preparation of Semiconducting Nanofibers. <i>Journal of the American Chemical Society</i> , 2018, 140, 6088-6094. | 13.7 | 116 |
| 2 | Strategies to Enhance Cyclopolymerization using Third-Generation Grubbs Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 10508-10514. | 13.7 | 89 |
| 3 | Fast Tandem Ring-Opening/Ring-Closing Metathesis Polymerization from a Monomer Containing Cyclohexene and Terminal Alkyne. <i>Journal of the American Chemical Society</i> , 2012, 134, 7270-7273. | 13.7 | 84 |
| 4 | Synthesis of Dendronized Polymers via Macromonomer Approach by Living ROMP and Their Characterization: From Rod-Like Homopolymers to Block and Gradient Copolymers. <i>Macromolecules</i> , 2013, 46, 5905-5914. | 4.8 | 68 |
| 5 | Polymer Self-Assembly into Unique Fractal Nanostructures in Solution by a One-Shot Synthetic Procedure. <i>Journal of the American Chemical Society</i> , 2018, 140, 475-482. | 13.7 | 63 |
| 6 | Tandem Ring-Opening/Ring-Closing Metathesis Polymerization: Relationship between Monomer Structure and Reactivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 10769-10775. | 13.7 | 62 |
| 7 | Controlled Living Cascade Polymerization To Make Fully Degradable Sugar-Based Polymers from α -Glucose and α -Galactose. <i>Journal of the American Chemical Society</i> , 2019, 141, 12207-12211. | 13.7 | 58 |
| 8 | Synthesis of Functional Polyacetylenes via Cyclopolymerization of Diyne Monomers with Grubbs-type Catalysts. <i>Accounts of Chemical Research</i> , 2019, 52, 994-1005. | 15.6 | 57 |
| 9 | Synthesis of Rod-Like Dendronized Polymers Containing G4 and G5 Ester Dendrons via Macromonomer Approach by Living ROMP. <i>ACS Macro Letters</i> , 2012, 1, 445-448. | 4.8 | 56 |
| 10 | Mechanochemical Degradation of Denpols: Synthesis and Ultrasound-Induced Chain Scission of Polyphenylene-Based Dendronized Polymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 8599-8608. | 13.7 | 56 |
| 11 | Versatile Tandem Ring-Opening/Ring-Closing Metathesis Polymerization: Strategies for Successful Polymerization of Challenging Monomers and Their Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2016, 138, 2244-2251. | 13.7 | 41 |
| 12 | Living Polymerization Caught in the Act: Direct Observation of an Arrested Intermediate in Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 10039-10047. | 13.7 | 28 |
| 13 | Conformation of Tunable Nanocylinders: Up to Sixth-Generation Dendronized Polymers via Graft-Through Approach by ROMP. <i>Macromolecules</i> , 2019, 52, 3342-3350. | 4.8 | 25 |
| 14 | Cascade polymerizations: recent developments in the formation of polymer repeat units by cascade reactions. <i>Chemical Science</i> , 2020, 11, 4843-4854. | 7.4 | 24 |
| 15 | Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 849-855. | 13.8 | 21 |
| 16 | Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release. <i>Angewandte Chemie</i> , 2021, 133, 862-868. | 2.0 | 3 |
| 17 | Synthesis of Well-Defined Poly(norbornene) Containing Carbon Nanodots by Controlled ROMP. <i>Journal of Polymer Science</i> , 2020, 58, 48-51. | 3.8 | 2 |
| 18 | Titelbild: Sugar-Based Polymers from α -Xylose: Living Cascade Polymerization, Tunable Degradation, and Small Molecule Release (<i>Angew. Chem.</i> 2/2021). <i>Angewandte Chemie</i> , 2021, 133, 521-521. | 2.0 | 0 |