

Boyu Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Exploring the Effect of Amphiphilic Polymer Architecture: Synthesis, Characterization, and Self-Assembly of Both Cyclic and Linear Poly(ethylene glycol)- <i>b</i> -polycaprolactone. ACS Macro Letters, 2013, 2, 845-848.	4.8	105
2	Nucleation and Antinucleation Effects of Functionalized Carbon Nanotubes on Cyclic and Linear Poly(μ -caprolactones). Macromolecules, 2014, 47, 3553-3566.	4.8	70
3	Comparing crystallization rates between linear and cyclic poly(epsilon-caprolactones) via fast-scan chip-calorimeter measurements. Polymer, 2015, 63, 34-40.	3.8	45
4	Band-Selective Ballistic Energy Transport in Alkane Oligomers: Toward Controlling the Transport Speed. Journal of Physical Chemistry B, 2015, 119, 6448-6456.	2.6	34
5	Synthesis, purification, and characterization of "perfect" star polymers via "Click" coupling. Journal of Polymer Science Part A, 2012, 50, 1086-1101.	2.3	32
6	The influence of small amounts of linear polycaprolactone chains on the crystallization of cyclic analogue molecules. RSC Advances, 2016, 6, 48049-48063.	3.6	29
7	Non-monotonic molecular weight dependence of crystallization rates of linear and cyclic poly(epsilon-caprolactone)s in a wide temperature range. Polymer International, 2016, 65, 1074-1079.	3.1	28
8	Room-temperature ballistic energy transport in molecules with repeating units. Journal of Chemical Physics, 2015, 142, 212412.	3.0	25
9	Efficient Synthesis of High Purity Homo-arm and Mikto-arm Poly(ethylene glycol) Stars Using Epoxide and Azide-Alkyne Coupling Chemistry. Macromolecular Rapid Communications, 2014, 35, 146-151.	3.9	21
10	Determination of polyethylene glycol end group functionalities by combination of selective reactions and characterization by matrix assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2014, 816, 28-40.	5.4	17
11	The characterization of dendronized poly(ethylene glycol)s and poly(ethylene glycol) multi-arm stars using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2014, 808, 175-189.	5.4	12
12	Water-soluble PEGylated silicon nanoparticles and their assembly into swellable nanoparticle aggregates. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9
13	THE RING-CLOSURE APPROACH FOR SYNTHESIZING CYCLIC POLYMERS. , 2013, , 157-197.		7
14	Elucidating Branching Topology and Branch Lengths in Star-Branched Polymers by Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1981-1991.	2.8	5