In-hwan Lee

List of Publications by Year
in descending order

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27 papers	971 citations	516710 16 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	1109 citing authors

#	Article	IF	Citations
1	Cu-Catalyzed Multicomponent Polymerization To Synthesize a Library of Poly(<i>N</i>-sulfonylamidines). Journal of the American Chemical Society, 2013, 135, 3760-3763.	13.7	154
2	One-Pot in Situ Fabrication of Stable Nanocaterpillars Directly from Polyacetylene Diblock Copolymers Synthesized by Mild Ring-Opening Metathesis Polymerization. Journal of the American Chemical Society, 2012, 134, 14291-14294.	13.7	99
3	What happens in the dark? Assessing the temporal control of photoâ€mediated controlled radical polymerizations. Journal of Polymer Science Part A, 2019, 57, 268-273.	2.3	81
4	A Rational Design of Highly Controlled Suzukiâ€“Miyaura Catalyst-Transfer Polycondensation for Precision Synthesis of Polythiophenes and Their Block Copolymers: Marriage of Palladacycle Precatalysts with MIDA-Boronates. Journal of the American Chemical Society, 2018, 140, 4335-4343.	13.7	79
5	Nanostar and Nanonetwork Crystals Fabricated by in Situ Nanoparticlization of Fully Conjugated Polythiophene Diblock Copolymers. Journal of the American Chemical Society, 2013, 135, 17695-17698.	13.7	75
6	Endo and Exo Dielsâ€“Alder Adducts: Temperature-Tunable Building Blocks for Selective Chemical Functionalization. Journal of the American Chemical Society, 2018, 140, 5009-5013.	13.7	60
7	Brush Polymers Containing Semiconducting Polyene Backbones: Graft-Through Synthesis via Cyclopolymerization and Conformational Analysis on the Coil-to-Rod Transition. ACS Macro Letters, 2012, 1, 1098-1102.	4.8	55
8	Controlled radical polymerization of vinyl ketones using visible light. Polymer Chemistry, 2017, 8, 3351-3356.	3.9	47
9	Investigating Temporal Control in Photoinduced Atom Transfer Radical Polymerization. Macromolecules, 2020, 53, 5280-5288.	4.8	47
10	Dual-pathway chain-end modification of RAFT polymers using visible light and metal-free conditions. Chemical Communications, 2017, 53, 1888-1891.	4.1	41
11	One-pot synthesis of nanocaterpillar structures via in situ nanoparticlization of fully conjugated poly(p-phenylene)-block-polythiophene. Chemical Communications, 2014, 50, 7945-7948.	4.1	30
12	RuPhos Pd Precatalyst and MIDA Boronate as an Effective Combination for the Precision Synthesis of Poly(3-hexylthiophene): Systematic Investigation of the Effects of Boronates, Halides, and Ligands. Macromolecules, 2020, 53, 3306-3314.	4.8	26
13	Synthesis of Conjugated Rodâ€“Coil Block Copolymers by RuPhos Pd-Catalyzed Suzukiâ€“Miyaura Catalyst-Transfer Polycondensation: Initiation from Coil-Type Polymers. Macromolecules, 2020, 53, 5497-5503.	4.8	25
14	Preparation of defect-free nanocaterpillars via in situ nanoparticlisation of a well-defined polyacetylene block copolymer. RSC Advances, 2014, 4, 49180-49185.	3.6	22
15	Preparing DNA-mimicking multi-line nanocaterpillars <i>via in situ</i> nanoparticlisation of fully conjugated polymers. Polymer Chemistry, 2016, 7, 1422-1428.	3.9	19
16	Effects of Side-Chain Topology on Aggregation of Conjugated Polymers. Macromolecules, 2018, 51, 2580-2590.	4.8	19
17	Importance of choosing the right polymerization method for in situ preparation of semiconducting nanoparticles from the P3HT block copolymer. Polymer Chemistry, 2016, 7, 7135-7141.	3.9	17
18	Desulfurizationâ€“bromination: direct chain-end modification of RAFT polymers. Polymer Chemistry, 2017, 8, 7188-7194.	3.9	16

#	ARTICLE	IF	CITATIONS
19	Valorization of Click-Based Microporous Organic Polymer: Generation of Mesoionic Carbeneâ€“Rh Species for the Stereoselective Synthesis of Poly(arylacetylene)s. Journal of the American Chemical Society, 2021, 143, 4100-4105.	13.7	15
20	Magnetically recyclable Pdâ€Fe₃O₄ heterodimer nanocrystals for the synthesis of conjugated polymers via suzuki polycondensation: Toward green chemistry. Journal of Polymer Science Part A, 2014, 52, 1525-1528.	2.3	10
21	Recent Advances in Diversityâ€Oriented Polymerization Using Cuâ€Catalyzed Multicomponent Reactions. Macromolecular Rapid Communications, 2022, 43, e2100642.	3.9	9
22	Building supermicelles from simple polymers. Science, 2015, 347, 1310-1311.	12.6	8
23	Magnetoresistance of a copolymer: FeCl3-doped poly(2,5-dioctyloxy-p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td	3.9	4
24	Protection-free one-pot synthesis of alcohol end-functionalized poly(3-hexylthiophene). Polymer Journal, 2021, 53, 1205-1211.	2.7	4
25	Lowâ€Temperature, Rapid Copolymerization of Acrylic Acid and Sodium Acrylate in Water. Journal of Polymer Science Part A, 2019, 57, 1414-1419.	2.3	3
26	Aqueous reverse iodine transfer polymerization of acrylic acid. Journal of Polymer Science Part A, 2019, 57, 1877-1881.	2.3	3
27	(Iminopyridine)Pd (II) complexes as versatile catalysts for copolymerization and terpolymerization of vinyl arene, ethylene, and carbon monoxide. Applied Organometallic Chemistry, 2021, 35, e6337.	3.5	3