Miao Hong

List of Publications by Year
in descending order

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28	2,335	643344 15	591227 27
papers	citations	h-index	g-index

29	29	29	2017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards high-performance sustainable polymers via isomerization-driven irreversible ring-opening polymerization of five-membered thionolactones. Nature Chemistry, 2022, 14, 294-303.	6.6	73
2	Zinc-Mediated Allylation-Lactonization One-Pot Reaction to Methylene Butyrolactones: Renewable Monomers for Sustainable Acrylic Polymers with Closed-Loop Recyclability. ACS Polymers Au, 2022, 2, 266-274.	1.7	13
3	Tris(2,4-difluorophenyl)borane/Triisobutylphosphine Lewis Pair: A Thermostable and Air/Moisture-Tolerant Organic Catalyst for the Living Polymerization of Acrylates. Macromolecules, 2021, 54, 8495-8502.	2.2	20
4	Lewis Acidâ^'Base Pairs for Polymerization Catalysis: Recent Progress and Perspectives. Molecular Catalysis, 2021, , 283-317.	1.3	6
5	Lewisâ€Pairâ€Mediated Selective Dimerization and Polymerization of Lignocelluloseâ€Based Î²â€Angelica Lactone into Biofuel and Acrylic Bioplastic. Angewandte Chemie, 2020, 132, 2686-2690.	1.6	12
6	Lewisâ€Pairâ€Mediated Selective Dimerization and Polymerization of Lignocelluloseâ€Based Î²â€Angelica Lactone into Biofuel and Acrylic Bioplastic. Angewandte Chemie - International Edition, 2020, 59, 2664-2668.	7.2	49
7	Precise Control of Molecular Weight and Stereospecificity in Lewis Pair Polymerization of Semifluorinated Methacrylates: Mechanistic Studies and Stereocomplex Formation. Macromolecules, 2020, 53, 4659-4669.	2.2	32
8	Transesterification by air/moisture-tolerant bifunctional organocatalyst to produce â€˜nonstrainedâ€™ Î³-butyrolactone-based aliphatic copolyesters: Turning a bane into a boon. European Polymer Journal, 2019, 121, 109277.	2.6	13
9	Closed-Loop Polymer Upcycling by Installing Property-Enhancing Comonomer Sequences and Recyclability. Macromolecules, 2019, 52, 4570-4578.	2.2	42
10	Future Directions for Sustainable Polymers. Trends in Chemistry, 2019, 1, 148-151.	4.4	146
11	Stereoselective ring-opening polymerization of rac-lactide by bulky chiral and achiral N-heterocyclic carbenes. Chinese Journal of Polymer Science (English Edition), 2018, 36, 231-236.	2.0	15
12	Polymerization of Polar Monomers Mediated by Main-Group Lewis Acidâ€“Base Pairs. Chemical Reviews, 2018, 118, 10551-10616.	23.0	217
13	Lewis Pair Polymerization for New Reactivity and Structure in Polymer Synthesis. Molecules, 2018, 23, 915.	1.7	2
14	Controlled and Efficient Polymerization of Conjugated Polar Alkenes by Lewis Pairs Based on Sterically Hindered Aryloxide-Substituted Alkylaluminum. Molecules, 2018, 23, 442.	1.7	17
15	Chemically recyclable polymers: a circular economy approach to sustainability. Green Chemistry, 2017, 19, 3692-3706.	4.6	557
16	â€œNonstrainedâ€•Î³-Butyrolactone-Based Copolyesters: Copolymerization Characteristics and Composition-Dependent (Thermal, Eutectic, Cocrystallization, and Degradation) Properties. Macromolecules, 2017, 50, 8469-8479.	2.2	65
17	Brush Polymer of Donor-Accepter Dyads via Adduct Formation between Lewis Base Polymer Donor and All Carbon Lewis Acid Acceptor. Molecules, 2017, 22, 1564.	1.7	4
18	Stereoregular Brush Polymers and Graft Copolymers by Chiral Zirconocene-Mediated Coordination Polymerization of P3HT Macromers. Polymers, 2017, 9, 139.	2.0	8

#	Article	IF	Citations
19	Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie - International Edition, 2016, 55, 4188-4193.	7.2	217
20	Frontispiz: Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie, 2016, 128, .	1.6	0
21	The Quest for Converting Biorenewable Bifunctional Î±-Methylene-Î³-butyrolactone into Degradable and Recyclable Polyester: Controlling Vinyl-Addition/Ring-Opening/Cross-Linking Pathways. Journal of the American Chemical Society, 2016, 138, 14326-14337.	6.6	132
22	Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie, 2016, 128, 4260-4265.	1.6	52
23	Proton-Transfer Polymerization by N-Heterocyclic Carbenes: Monomer and Catalyst Scopes and Mechanism for Converting Dimethacrylates into Unsaturated Polyesters. Journal of the American Chemical Society, 2016, 138, 2021-2035.	6.6	51
24	Frontispiece: Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
25	Completely recyclable biopolymers with linear and cyclic topologies via ring-opening polymerization of Î³-butyrolactone. Nature Chemistry, 2016, 8, 42-49.	6.6	461
26	Polymeric carbon Lewis baseâ€“acid adducts: poly(NHCâ€“C₆₀). Polymer Chemistry, 2015, 6, 1741-1750.	1.9	5
27	Protonâ€Transfer Polymerization (HTP): Converting Methacrylates to Polyesters by an Nâ€Heterocyclic Carbene. Angewandte Chemie - International Edition, 2014, 53, 11900-11906.	7.2	49
28	Coordination Ring-Opening Copolymerization of Naturally Renewable Î±-Methylene-Î³-butyrolactone into Unsaturated Polyesters. Macromolecules, 2014, 47, 3614-3624.	2.2	63