Stefan Naumann

List of Publications by Year in descending order

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39 papers	1,574 citations	279798 23 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	994 citing authors

#	Article	IF	Citations
1	N-Heterocyclic carbenes as organocatalysts for polymerizations: trends and frontiers. Polymer Chemistry, 2015, 6, 3185-3200.	3.9	118
2	Dual Catalysis for Selective Ring-Opening Polymerization of Lactones: Evolution toward Simplicity. Journal of the American Chemical Society, 2015, 137, 14439-14445.	13.7	118
3	Nâ€Heterocyclic Olefins as Organocatalysts for Polymerization: Preparation of Wellâ€Defined Poly(propylene oxide). Angewandte Chemie - International Edition, 2015, 54, 9550-9554.	13.8	105
4	Liberation of N-heterocyclic carbenes (NHCs) from thermally labile progenitors: protected NHCs as versatile tools in organo- and polymerization catalysis. Catalysis Science and Technology, 2014, 4, 2466-2479.	4.1	101
5	Latent and Delayed Action Polymerization Systems. Macromolecular Rapid Communications, 2014, 35, 682-701.	3.9	81
6	Synthesis, properties & applications of N-heterocyclic olefins in catalysis. Chemical Communications, 2019, 55, 11658-11670.	4.1	77
7	Lewis Pair Polymerization of Epoxides via Zwitterionic Species as a Route to Highâ€Molarâ€Mass Polyethers. Angewandte Chemie - International Edition, 2019, 58, 10737-10741.	13.8	77
8	Highly Polarized Alkenes as Organocatalysts for the Polymerization of Lactones and Trimethylene Carbonate. ACS Macro Letters, 2016, 5, 134-138.	4.8	76
9	N-Heterocyclic Olefin-Based (Co)polymerization of a Challenging Monomer: Homopolymerization of ï‰-Pentadecalactone and Its Copolymers with Î³-Butyrolactone, Î´-Valerolactone, and Îµ-Caprolactone. Macromolecules, 2017, 50, 8406-8416.	4.8	76
10	Protected N-heterocyclic carbenes as latent pre-catalysts for the polymerization of Îµ-caprolactone. Polymer Chemistry, 2013, 4, 4172.	3.9	67
11	Nâ€Heterocyclic carbenes for metalâ€free polymerization catalysis: an update. Polymer International, 2016, 65, 16-27.	3.1	55
12	Polymerization of methyl methacrylate by latent pre-catalysts based on CO2-protected N-heterocyclic carbenes. Polymer Chemistry, 2013, 4, 2731.	3.9	51
13	Polymerization of Îµ-Caprolactam by Latent Precatalysts Based on Protected N-Heterocyclic Carbenes. ACS Macro Letters, 2013, 2, 609-612.	4.8	50
14	Dual Catalysis Based on N-Heterocyclic Olefins for the Copolymerization of Lactones: High Performance and Tunable Selectivity. Macromolecules, 2016, 49, 8869-8878.	4.8	50
15	Polarized olefins as enabling (co)catalysts for the polymerization of Î³-butyrolactone. Polymer Chemistry, 2018, 9, 3674-3683.	3.9	50
16	Air Stable and Latent Single-Component Curing of Epoxy/Anhydride Resins Catalyzed by Thermally Liberated N-Heterocyclic Carbenes. Macromolecules, 2014, 47, 4548-4556.	4.8	42
17	Anionic Ring-Opening Homo- and Copolymerization of Lactams by Latent, Protected N-Heterocyclic Carbenes for the Preparation of PA 12 and PA 6/12. Macromolecules, 2013, 46, 8426-8433.	4.8	40
18	Application of imidazolinium salts and N-heterocyclic olefins for the synthesis of anionic and neutral tungsten imido alkylidene complexes. Chemical Communications, 2016, 52, 6099-6102.	4.1	38

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19	Proton Affinities of N-Heterocyclic Olefins and Their Implications for Organocatalyst Design. Journal of Organic Chemistry, 2019, 84, 2209-2218.	3.2	36
20	Controlled preparation of amphiphilic triblock-copolyether in a metal- and solvent-free approach for tailored structure-directing agents. Chemical Communications, 2018, 54, 2220-2223.	4.1	31
21	Regioselective Cyclopolymerization of 1,7-Octadiynes. Macromolecules, 2011, 44, 8380-8387.	4.8	29
22	The Lewis Pair Polymerization of Lactones Using Metal Halides and N-Heterocyclic Olefins: Theoretical Insights. Molecules, 2018, 23, 432.	3.8	27
23	N-Heterocyclic olefins as initiators for the polymerization of (meth)acrylic monomers: a combined experimental and theoretical approach. Polymer Chemistry, 2017, 8, 5803-5812.	3.9	26
24	Dual Catalytic Ring-Opening Polymerization of Ethylene Carbonate for the Preparation of Degradable PEG. Biomacromolecules, 2020, 21, 2661-2669.	5.4	23
25	Synthesis of Linear Poly(oxazolidin-2-one)s by Cooperative Catalysis Based on N-Heterocyclic Carbenes and Simple Lewis Acids. Macromolecules, 2019, 52, 487-494.	4.8	17
26	A simplified approach for the metal-free polymerization of propylene oxide. RSC Advances, 2020, 10, 43389-43393.	3.6	15
27	Darstellung von hochmolekularen Polyethern durch die zwitterionische Lewisâ€Paarâ€Polymerisation von Epoxiden. Angewandte Chemie, 2019, 131, 10848-10852.	2.0	14
28	Controlled Synthesis of â€œReverse Pluronicâ€â€Type Block Copolyethers with High Molar Masses for the Preparation of Hydrogels with Improved Mechanical Properties. Macromolecular Chemistry and Physics, 2020, 221, 1900437.	2.2	12
29	Protected N-heterocyclic carbenes as latent organocatalysts for the low-temperature curing of anhydride-hardened epoxy resins. European Polymer Journal, 2017, 95, 766-774.	5.4	10
30	Ordered Mesoporous Carbons via Self-Assembly of Tailored Block Copolyethers for Pore Size-Dependent Applications. ACS Applied Nano Materials, 2021, 4, 3486-3492.	5.0	9
31	Latent CO₂â€Protected Nâ€Heterocyclic Carbeneâ€Based Singleâ€Component Systemâ€Derived Epoxy/Glass Fiber Composites. Macromolecular Materials and Engineering, 2015, 300, 937-943.	3.6	8
32	In Situ Copolymerization of Lactams for Melt Spinning. Macromolecular Materials and Engineering, 2016, 301, 423-428.	3.6	8
33	Convenient preparation of high molecular weight poly(dimethylsiloxane) using thermally latent NHC-catalysis: a structure-activity correlation. Beilstein Journal of Organic Chemistry, 2015, 11, 2261-2266.	2.2	5
34	A comparison of zwitterionic and anionic mechanisms in the dual-catalytic polymerization of lactide. Polymer Chemistry, 2021, 12, 5320-5327.	3.9	5
35	Ultrahigh-Molecular-Weight Poly(propylene oxide): Preparation and Perspectives. Synlett, 2020, 31, 641-647.	1.8	4
36	Strategies for Pore-Diameter Control in Mesoporous Carbons Derived from Organic Self-Assembly Processes. Organic Materials, 2021, 03, 283-294.	2.0	2

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37	Base Catalysts for Organopolymerization. RSC Polymer Chemistry Series, 2018, , 121-197.	0.2	2
38	Predictive design of ordered mesoporous silica with well-defined, ultra-large mesopores. Molecular Systems Design and Engineering, 2022, 7, 1318-1326.	3.4	2
39	Dual catalysis with an N â€heterocyclic carbene and a Lewis acid: Thermally latent precatalyst for the polymerization of Îµâ€caprolactam. Journal of Polymer Science, 2020, 58, 3219-3226.	3.8	1