Yuetao Zhang

List of Publications by Year
in descending order

65 papers	2,836 citations	159585 30 h-index	182427 51 g-index
68 all docs	68 docs citations	68 times ranked	1486 citing authors

#	Article	IF	Citations
1	One-Pot Synthesis of Supertough, Sustainable Polyester Thermoplastic Elastomers Using Block-Like, Gradient Copolymer as Soft Midblock. CCS Chemistry, 2022, 4, 1263-1272.	7.8	21
2	Oneâ€Pot Transformation of Lignin and Lignin Model Compounds into Benzimidazoles. European Journal of Organic Chemistry, 2022, 2022, .	2.4	7
3	Singleâ€Step Expeditious Synthesis of Diblock Copolymers with Different Morphologies by Lewis Pair Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
4	Singleâ€Step Expeditious Synthesis of Diblock Copolymers with Different Morphologies by Lewis Pair Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie, 2022, 134, .	2.0	5
5	Boronâ€Based Lewis Pairs Catalyzed Living, Regioselective, and Topologyâ€Controlled Polymerization of (<i>E</i>, <i>E</i>)â€Alkyl Sorbates. Macromolecular Rapid Communications, 2022, 43, e2200088.	3.9	13
6	Oneâ€Step Synthesis of Ligninâ€Based Triblock Copolymers as Highâ€Temperature and UVâ€Blocking Thermoplastic Elastomers. Angewandte Chemie - International Edition, 2022, 61, e202114946.	13.8	36
7	Oneâ€Step Synthesis of Ligninâ€Based Triblock Copolymers as Highâ€Temperature and UVâ€Blocking Thermoplastic Elastomers. Angewandte Chemie, 2022, 134, .	2.0	5
8	Highly Isoselective Ringâ€Opening Polymerization of <i>rac</i>â€Lactide Using Chiral Binuclear Aluminum Catalyst. Macromolecular Rapid Communications, 2021, 42, e2000491.	3.9	8
9	Living polymerization of naturally renewable butyrolactone-based vinylidenes mediated by a frustrated Lewis pair. Polymer Chemistry, 2021, 12, 5548-5555.	3.9	11
10	Dual-initiating and living frustrated Lewis pairs: expeditious synthesis of biobased thermoplastic elastomers. Nature Communications, 2021, 12, 4874.	12.8	28
11	Application of Mutualism in Organic Synthetic Chemistry: Mutually Promoted Câˆ'H Functionalization of Indole and Reduction of Quinoline. Advanced Synthesis and Catalysis, 2021, 363, 5319-5329.	4.3	6
12	Lewis Pair Catalyzed Regioselective Polymerization of (<i>E</i>,<i>E</i>)â€Alkyl Sorbates for the Synthesis of (AB)_{<i>n</i>} Sequenced Polymers. Angewandte Chemie - International Edition, 2021, 60, 24306-24311.	13.8	25
13	Controllable, Bidirectional Water/Organic Vapors Responsive Actuators Fabricated by Oneâ€Step Thiolâ€Ene Click Polymerization. Macromolecular Rapid Communications, 2020, 41, e2000456.	3.9	4
14	MPV reduction of ethyl levulinate to Î³-valerolactone by the biomass-derived chitosan-supported Zr catalyst. New Journal of Chemistry, 2020, 44, 14686-14694.	2.8	19
15	Investigation towards the reductive amination of levulinic acid by B(C6F5)3/hydrosilane system. Tetrahedron, 2020, 76, 131394.	1.9	14
16	Production of Î³â€Valerolactone from Oneâ€Pot Transformation of Biomassâ€Derived Carbohydrates Over Chitosanâ€Supported Ruthenium Catalyst Combined with Zeolite ZSMâ€5. European Journal of Organic Chemistry, 2020, 2020, 1611-1619.	2.4	23
17	Rapid and Scalable Access to Sequenceâ€Controlled DHDM Multiblock Copolymers by FLP Polymerization. Angewandte Chemie, 2020, 132, 11710-11716.	2.0	14
18	Rapid and Scalable Access to Sequenceâ€Controlled DHDM Multiblock Copolymers by FLP Polymerization. Angewandte Chemie - International Edition, 2020, 59, 11613-11619.	13.8	52

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19	CeCl ₃ -Promoted Simultaneous Photocatalytic Cleavage and Amination of C _{Î±} â€“C _{Î²} Bond in Lignin Model Compounds and Native Lignin. CCS Chemistry, 2020, 2, 107-117.	7.8	49
20	Chemoselective and living/controlled polymerization of polar divinyl monomers by N-heterocyclic olefin based classical and frustrated Lewis pairs. Polymer Chemistry, 2019, 10, 4328-4335.	3.9	33
21	Lewis pairs polymerization of polar vinyl monomers. Science Bulletin, 2019, 64, 1830-1840.	9.0	45
22	Redox-neutral photocatalytic strategy for selective Câ€“C bond cleavage of lignin and lignin models via PCET process. Science Bulletin, 2019, 64, 1658-1666.	9.0	64
23	Living/controlled ring-opening (co)polymerization of lactones by Al-based catalysts with different sidearms. Dalton Transactions, 2019, 48, 7167-7178.	3.3	17
24	Regioselective 1,2-hydroboration of N-heteroarenes using a potassium-based catalyst. Organic Chemistry Frontiers, 2019, 6, 2749-2755.	4.5	24
25	Living polymerization of acrylamides catalysed by <i>N</i>-heterocyclic olefin-based Lewis pairs. Polymer Chemistry, 2019, 10, 3597-3603.	3.9	45
26	Highly efficient cyclotrimerization of isocyanates using N-heterocyclic olefins under bulk conditions. Chemical Communications, 2019, 55, 12563-12566.	4.1	21
27	Living Group Transfer Polymerization of Renewable Î±-Methylene-Î³-butyrolactones Using Al(C6F5)3 Catalyst. Macromolecules, 2018, 51, 1296-1307.	4.8	30
28	B(C₆F₅)₃-Catalyzed C3-Selective Câ€“H Borylation of Indoles: Synthesis, Intermediates, and Reaction Mechanism. Journal of Organic Chemistry, 2018, 83, 1377-1386.	3.2	48
29	Lewis Pair-Mediated Surface-Initiated Polymerization. ACS Macro Letters, 2018, 7, 65-69.	4.8	10
30	Living Polymerization of Conjugated Polar Alkenes Catalyzed by <i>N</i>-Heterocyclic Olefin-Based Frustrated Lewis Pairs. ACS Catalysis, 2018, 8, 3571-3578.	11.2	99
31	Ultraâ€Highâ€Molecularâ€Weight Polymers Produced by the Immortal Phosphineâ€Based Catalyst System. Angewandte Chemie, 2018, 130, 17476-17480.	2.0	33
32	Ultraâ€Highâ€Molecularâ€Weight Polymers Produced by the Immortal Phosphineâ€Based Catalyst System. Angewandte Chemie - International Edition, 2018, 57, 17230-17234.	13.8	71
33	Silyl Ketene Acetals/B(C6F5)3 Lewis Pair-Catalyzed Living Group Transfer Polymerization of Renewable Cyclic Acrylic Monomers. Molecules, 2018, 23, 665.	3.8	23
34	BBr₃-Assisted Preparation of Aromatic Alkyl Bromides from Lignin and Lignin Model Compounds. Journal of Organic Chemistry, 2018, 83, 11019-11027.	3.2	10
35	Switchable Câ€“H Silylation of Indoles Catalyzed by a Thermally Induced Frustrated Lewis Pair. ACS Catalysis, 2018, 8, 8765-8773.	11.2	34
36	Transformation of lignin model compounds to<i>N</i>-substituted aromatics<i>via</i>Beckmann rearrangement. Green Chemistry, 2018, 20, 3318-3326.	9.0	23

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37	B(C₆F₅)₃-Catalyzed (Convergent) Disproportionation Reaction of Indoles. Journal of the American Chemical Society, 2017, 139, 7399-7407.	13.7	95
38	Highly effective Câ€"C bond cleavage of lignin model compounds. Green Chemistry, 2017, 19, 3135-3141.	9.0	65
39	Living Ring-Opening Polymerization of Lactones by <i>N</i>-Heterocyclic Olefin/Al(C₆F₅)₃ Lewis Pairs: Structures of Intermediates, Kinetics, and Mechanism. Macromolecules, 2017, 50, 123-136.	4.8	109
40	HPAs and POMâ€based ILs Catalyzed Effective Conversion of Furfuryl Alcohol to Alkyl Levulinate. ChemistrySelect, 2017, 2, 7918-7924.	1.5	12
41	Controlled or High-Speed Group Transfer Polymerization by Silyl Ketene Acetals without Catalyst. Macromolecules, 2016, 49, 8075-8087.	4.8	10
42	Cationic Zirconoceneâ€Mediated Catalytic Hâ€Shuttling Polymerization of Polar Vinyl Monomers: Scopes of Catalyst, Chainâ€Transfer Agent, and Monomer. Macromolecular Symposia, 2015, 349, 104-114.	0.7	6
43	Polymerizability of <i>Exo</i>â€methyleneâ€lactide toward vinyl addition and ring opening. Journal of Polymer Science Part A, 2015, 53, 1523-1532.	2.3	22
44	Synthesis of Pyridine- and 2-Oxazoline-Functionalized Vinyl Polymers by Alane-Based Frustrated Lewis Pairs. Synlett, 2014, 25, 1534-1538.	1.8	63
45	Chain Propagation and Termination Mechanisms for Polymerization of Conjugated Polar Alkenes by [Al]-Based Frustrated Lewis Pairs. Macromolecules, 2014, 47, 7765-7774.	4.8	87
46	Polymerization of Nonfood Biomass-Derived Monomers to Sustainable Polymers. Topics in Current Chemistry, 2014, 353, 185-227.	4.0	10
47	Anionic polymerization of biomassâ€derived furfuryl methacrylate: Controlling polymer tacticity and thermoreversibility. Journal of Polymer Science Part A, 2013, 51, 2793-2803.	2.3	15
48	Organocatalytic Conjugate-Addition Polymerization of Linear and Cyclic Acrylic Monomers by N-Heterocyclic Carbenes: Mechanisms of Chain Initiation, Propagation, and Termination. Journal of the American Chemical Society, 2013, 135, 17925-17942.	13.7	91
49	Organocatalytic upgrading of the key biorefining building block by a catalytic ionic liquid and N-heterocyclic carbenes. Green Chemistry, 2012, 14, 2738.	9.0	66
50	Lewis pair polymerization by classical and frustrated Lewis pairs: acid, base and monomer scope and polymerization mechanism. Dalton Transactions, 2012, 41, 9119.	3.3	191
51	Conjugateâ€Addition Organopolymerization: Rapid Production of Acrylic Bioplastics by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2012, 51, 2465-2469.	13.8	125
52	Hydride-Shuttling Chain-Transfer Polymerization of Methacrylates Catalyzed by Metallocenium Enolate Metallacycleâ^'Hydridoborate Ion Pairs. Journal of the American Chemical Society, 2011, 133, 1572-1588.	13.7	19
53	Dinuclear Silylium-enolate Bifunctional Active Species: Remarkable Activity and Stereoselectivity toward Polymerization of Methacrylate and Renewable Methylene Butyrolactone Monomers. Journal of the American Chemical Society, 2011, 133, 13674-13684.	13.7	70
54	Ethylene/1â€octadecene copolymerization using [Î·⁵:Î·¹â€C₅Me₄â€4â€R₁â€6â€Râ€C₆H₂O]catalysts. Journal of Applied Polymer Science, 2011, 120, 1514-1519.	2.6	2

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55	Highâ€Speed Living Polymerization of Polar Vinyl Monomers by Selfâ€Healing Silylium Catalysts. Chemistry - A European Journal, 2010, 16, 10462-10473.	3.3	35
56	Alaneâ€Based Classical and Frustrated Lewis Pairs in Polymer Synthesis: Rapid Polymerization of MMA and Naturally Renewable Methylene Butyrolactones into Highâ€Molecularâ€Weight Polymers. Angewandte Chemie - International Edition, 2010, 49, 10158-10162.	13.8	264
57	Inside Cover: Alane-Based Classical and Frustrated Lewis Pairs in Polymer Synthesis: Rapid Polymerization of MMA and Naturally Renewable Methylene Butyrolactones into High-Molecular-Weight Polymers (Angew. Chem. Int. Ed. 52/2010). Angewandte Chemie - International Edition, 2010, 49, 10016-10016.	13.8	0
58	Polymerization of Naturally Renewable Methylene Butyrolactones by Half-Sandwich Indenyl Rare Earth Metal Dialkyls with Exceptional Activity. Macromolecules, 2010, 43, 9328-9336.	4.8	41
59	Catalyst-Site-Controlled Coordination Polymerization of Polar Vinyl Monomers to Highly Syndiotactic Polymers. Journal of the American Chemical Society, 2010, 132, 2695-2709.	13.7	60
60	Living Polymerization of Naturally Renewable Butyrolactone-Based Vinylidene Monomers by Ambiphilic Silicon Propagators. Macromolecules, 2010, 43, 4902-4908.	4.8	92
61	Ethylene/Î±â€olefin copolymerization using diphenylcyclopentadienylâ€phenoxytitanium dichloride/Al(^{<i>i</i>}Bu)₃/[Ph₃C][B(C₆F₅)₄] catalyst systems. Journal of Applied Polymer Science, 2008, 109, 3030-3036.	2.6	6
62	Structureâ^'Reactivity Relationships in Bimolecular-Activated Monomer Polymerization of (Meth)acrylates Using Oxidatively Activated Group 14 Ketene Acetals. Macromolecules, 2008, 41, 6353-6360.	4.8	58
63	Controlled Polymerization of Methacrylates to High Molecular Weight Polymers Using Oxidatively Activated Group Transfer Polymerization Initiators. Macromolecules, 2008, 41, 36-42.	4.8	68
64	Neutral Metallocene Ester Enolate and Non-Metallocene Alkoxy Complexes of Zirconium for Catalytic Ring-Opening Polymerization of Cyclic Esters. Organometallics, 2008, 27, 5632-5640.	2.3	45
65	Lewisâ€Pairâ€Catalyzed Regioselective Polymerization of (E,E)â€Alkyl Sorbates for the Synthesis of (AB)n Sequenced Polymers. Angewandte Chemie, 0, , .	2.0	6