Zhen Zhang

List of Publications by Year
in descending order

41 papers	940 citations	394390 19 h-index	454934 30 g-index
55 all docs	55 docs citations	55 times ranked	888 citing authors

#	Article	IF	Citations
1	Bimetallic Cu(I)/Rh(II) Relay Catalysis for Multicomponent Polymerization through Carbene Intermediates. Macromolecules, 2022, 55, 643-651.	4.8	1
2	Multicomponent Synthesis of Imidazole-Based Cross-Conjugated Polymers via Bimetallic Cu(I)/Rh(II) Relay Catalysis. Macromolecules, 2022, 55, 5422-5429.	4.8	2
3	Catalyst-free aziridine-based step-growth polymerization: a facile approach to optically active poly(sulfonamide amine)s and poly(sulfonamide dithiocarbamate)s. Polymer Chemistry, 2022, 13, 4324-4332.	3.9	8
4	Organocatalytic sequential ring-opening polymerization of cyclic ester/epoxide and N-sulfonyl aziridine: metal-free and easy access to block copolymers. Polymer Chemistry, 2021, 12, 5328-5335.	3.9	8
5	Grafting polysulfonamide from cellulose paper through organocatalytic ring-opening polymerization of N-sulfonyl aziridines. Carbohydrate Polymers, 2021, 261, 117903.	10.2	12
6	Organocatalytic Synthesis of Polysulfonamides with Well-Defined Linear and Brush Architectures from a Designed/Synthesized Bis(<i>N</i>-sulfonyl aziridine). Macromolecules, 2021, 54, 8164-8172.	4.8	19
7	Ultrafast organocatalytic <scp>ringâ€opening</scp> polymerization of <scp><i>N</i>â€sulfonyl</scp> aziridine in the melt. Journal of Polymer Science, 2021, 59, 2972-2979.	3.8	6
8	Solvent and catalyst-free modification of hyperbranched polyethyleneimines by ring-opening-addition or ring-opening-polymerization of N-sulfonyl aziridines. Polymer Chemistry, 2021, 12, 1787-1796.	3.9	16
9	<scp>Oneâ€pot</scp> tandem <scp>ringâ€opening</scp> polymerization of <scp><i>N</i>â€sulfonyl</scp> aziridines and â€œclickâ€• chemistry to produce <scp>wellâ€defined starâ€shaped</scp> polyaziridines. Journal of Polymer Science, 2020, 58, 2116-2125.	3.8	15
10	2-Azaallyl Anion Initiated Ring-Opening Polymerization of <i>N</i>-Sulfonyl Aziridines: One-Pot Synthesis of Primary Amine-Ended Telechelic Polyaziridines. Macromolecules, 2019, 52, 3888-3896.	4.8	23
11	Carboxylic Acid Initiated Organocatalytic Ring-Opening Polymerization of <i>N</i>-Sulfonyl Aziridines: An Easy Access to Well-Controlled Polyaziridine-Based Architectural and Functionalized Polymers. Macromolecules, 2019, 52, 8793-8802.	4.8	26
12	An Efficient and General Strategy toward the Synthesis of Polyethylene-Based Cyclic Polymers. Macromolecules, 2018, 51, 3193-3202.	4.8	20
13	Temperature and pH-Dual Responsive AIE-Active Core Crosslinked Polyethyleneâ€“Poly(methacrylic acid) Multimiktoarm Star Copolymers. ACS Macro Letters, 2018, 7, 886-891.	4.8	40
14	Polyhomologation and ATRP: A Perfect Partnership toward Unique Polyethylene-Based Architectures. ACS Symposium Series, 2018, , 1-24.	0.5	1
15	Polyethyleneâ€Based Tadpole Copolymers. Macromolecular Chemistry and Physics, 2017, 218, 1600568.	2.2	10
16	Excellent long-term electrochemical performance of graphite oxide as cathode materials for lithium-ion batteries. Ionics, 2017, 23, 3023-3029.	2.4	2
17	C1 polymerization: a unique tool towards polyethylene-based complex macromolecular architectures. Polymer Chemistry, 2017, 8, 4062-4073.	3.9	28
18	Core Cross-Linked Multiarm Star Polymers with Aggregation-Induced Emission and Temperature Responsive Fluorescence Characteristics. Macromolecules, 2017, 50, 4217-4226.	4.8	50

#	ARTICLE	IF	CITATIONS
19	Well-defined 4-arm stars with hydroxy-terminated polyethylene, polyethylene-b-polycaprolactone and polyethylene-b-(polymethyl methacrylate)₂ arms. Polymer Chemistry, 2016, 7, 5507-5511.	3.9	13
20	Boron-Catalyzed C3-Polymerization of Ï‰-2-Methyl Allylarsonium Ylide and Its C3/C1 Copolymers with Dimethylsulfoxonium Methylide. ACS Macro Letters, 2016, 5, 387-390.	4.8	17
21	Synthesis of Well-Defined Polyethylene-Based 3-Miktoarm Star Copolymers and Terpolymers. Macromolecules, 2016, 49, 2630-2638.	4.8	26
22	Acacia gum-assisted co-precipitating synthesis of LiNi0.5Co0.2Mn0.3O2 cathode material for lithium ion batteries. Ionics, 2016, 22, 621-627.	2.4	11
23	Allenic Esters from Cyclopropenones by Lewis Base Catalysis: Substrate Scope, the Asymmetric Variant from the Dynamic Kinetic Asymmetric Transformation, and Mechanistic Studies. ChemCatChem, 2015, 7, 3340-3349.	3.7	21
24	Goldâ€•and Silverâ€Catalyzed Intramolecular Cyclizations of Indolylcyclopropenes for the Divergent Synthesis of Azepinoindoles and Spiroindoline Piperidines. ChemCatChem, 2015, 7, 595-600.	3.7	34
25	Well-Defined Polyethylene-Based Random, Block, and Bilayered Molecular Cobrushes. Macromolecules, 2015, 48, 3556-3562.	4.8	37
26	Polyhomologation based on in situ generated boron-thexyl-silaboracyclic initiating sites: a novel strategy towards the synthesis of polyethylene-based complex architectures. Chemical Communications, 2015, 51, 9936-9938.	4.1	24
27	Lewis base-catalyzed reactions of cyclopropenones: novel synthesis of mono- or multi-substituted allenic esters. Chemical Communications, 2014, 50, 115-117.	4.1	26
28	Goldâ€Catalyzed Cyclization of 1â€(Indolâ€3â€yl)â€3â€alkynâ€1â€ols: Facile Synthesis of Diversified Carbazoles. Chemistry - A European Journal, 2013, 19, 10625-10631.	3.3	52
29	Effect of carbon sources on the electrochemical performance of Li2FeSiO4 cathode materials for lithium ion batteries. Russian Journal of Electrochemistry, 2013, 49, 386-390.	0.9	4
30	Goldâ€Catalyzed Intramolecular Regioâ€•and Enantioselective Cycloisomerization of 1,1â€Bis(indolyl)â€5â€alkynes. Angewandte Chemie - International Edition, 2013, 52, 6767-6771.	13.8	61
31	Thermally induced [3+2] cyclization of aniline-tethered alkylidenecyclopropanes: a facile synthetic protocol of pyrrolo[1,2-a]indoles. Chemical Communications, 2012, 48, 7696.	4.1	49
32	An unprecedented ring-opening reaction of N-(aziridin-2-ylmethylene)hydrazines to facile synthesis of functionalized enamines catalysed by Lewis acid. Chemical Communications, 2012, 48, 5334.	4.1	6
33	Transition metal-catalyzed carbocyclization of nitrogen and oxygen-tethered 1,n-enynes and diynes: synthesis of five or six-membered heterocyclic compounds. Chemical Communications, 2012, 48, 10271.	4.1	86
34	Silver(I)-catalyzed tandem reactions of N-activated aziridine-propargylic esters to pyrrolidin-3-one derivatives. Tetrahedron Letters, 2012, 53, 6173-6176.	1.4	14
35	Facile synthesis of 2-pyrazolines and Î±,Î²-diamino ketones via regioselective ring-opening of hydrazone-tethered aziridines. Chemical Communications, 2012, 48, 9607.	4.1	14
36	Silver(I)â€Catalyzed Tandem 1,3â€Acyloxy Migration/Mannichâ€type Addition/Elimination of the Sulfonyl Group of <i>N</i>â€Sulfonylhydrazoneâ€propargylic Esters to 5,6â€Dihydropyridazinâ€4â€one Derivatives. Chemistry - A European Journal, 2012, 18, 3654-3658.	3.3	20

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37	Axially chiral N-heterocyclic carbene gold(I) complex catalyzed asymmetric Friedelâ€"Crafts/cyclization reaction of nitrogen-tethered 1,6-enynes with indole derivatives. Tetrahedron: Asymmetry, 2011, 22, 2029-2038.	1.8	36
38	Titanium(IV) chloride-mediated intramolecular ring enlargement of methylenecyclopropanes with propargylic esters: a concise synthesis of bicyclo[4.2.0]oct-5-ene derivatives. Tetrahedron Letters, 2011, 52, 6541-6544.	1.4	24
39	Titanium(IV) Chlorideâ€Mediated Carbocyclization of 1,6â€Enynes: Selective Synthesis of 3â€Azabicyclo[3.1.0]hexanes and Functionalized Allenes by Controlling the Reaction Temperature. European Journal of Organic Chemistry, 2011, 2011, 2610-2614.	2.4	23
40	Palladium(0)â€Catalyzed Reaction of Cyclopropylidenecycloalkanes with Carbon Dioxide. European Journal of Organic Chemistry, 2011, 2011, 7189-7193.	2.4	29
41	Gold(I)â€Catalyzed Domino Reaction of Aziridinyl Alkynes. Chemistry - A European Journal, 2010, 16, 7725-7729.	3.3	26