Ze Zhang

List of Publications by Year
in descending order

48 papers	1,234 citations	394421 19 h-index	377865 34 g-index
48 all docs	48 docs citations	48 times ranked	1258 citing authors

#	Article	IF	Citations
1	Simultaneous nanocatalytic surface activation of pollutants and oxidants for highly efficient water decontamination. Nature Communications, 2022, 13, .	12.8	117
2	Electrical conductivity of a single conducting polyaniline nanotube. Applied Physics Letters, 2003, 83, 1863-1865.	3.3	110
3	Syntheses of Sequence-Controlled Polymers via Consecutive Multicomponent Reactions. Macromolecules, 2015, 48, 3414-3421.	4.8	99
4	Synthesis of polymers with on-demand sequence structures via dually switchable and interconvertible polymerizations. Nature Communications, 2018, 9, 2577.	12.8	87
5	Solvent-free mechanochemical and one-pot reductive benzylizations of malononitrile and 4-methylaniline using Hantzsch 1,4-dihydropyridine as the reductant. Organic and Biomolecular Chemistry, 2005, 3, 1617.	2.8	68
6	Multicomponent Reactions and Multicomponent Cascade Reactions for the Synthesis of Sequenceâ€Controlled Polymers. Macromolecular Rapid Communications, 2018, 39, e1800362.	3.9	65
7	Cationic micelle: A promising nanocarrier for gene delivery with high transfection efficiency. Journal of Gene Medicine, 2019, 21, e3101.	2.8	58
8	Synthesis of Layered MnO2 Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. Electrochimica Acta, 2014, 132, 239-243.	5.2	49
9	One-pot sequential multicomponent reaction and a multicomponent polymerization method for the synthesis of topologically different polymers. Polymer Chemistry, 2016, 7, 1468-1474.	3.9	46
10	Solid-state radical reactions of 1,3-cyclohexanediones with in situ generated imines mediated by manganese(iii) acetate under mechanical milling conditions. Chemical Communications, 2004, , 1832-1833.	4.1	45
11	Degradable PE-Based Copolymer with Controlled Ester Structure Incorporation by Cobalt-Mediated Radical Copolymerization under Mild Condition. IScience, 2020, 23, 100904.	4.1	42
12	Rhodanine-based Knoevenagel reaction and ring-opening polymerization for efficiently constructing multicyclic polymers. Nature Communications, 2020, 11, 3654.	12.8	36
13	Interactions in DNA Condensation: An Important Factor for Improving the Efficacy of Gene Transfection. Bioconjugate Chemistry, 2019, 30, 284-292.	3.6	32
14	Synthesis of sequence-controlled polymers via sequential thiol-ene and amino-yne click reactions in one pot. European Polymer Journal, 2018, 103, 80-87.	5.4	30
15	Electrical conductivity of hollow polyaniline microspheres synthesized by a self-assembly method. Applied Physics Letters, 2004, 84, 2205-2207.	3.3	28
16	Two tandem multicomponent reactions for the synthesis of sequence-defined polymers. Science China Chemistry, 2015, 58, 1734-1740.	8.2	27
17	A novel multicomponent reaction and its application in sequence-ordered functional polymer synthesis. Polymer, 2015, 64, 221-226.	3.8	22
18	Polymer Nanofibers Exhibiting Remarkable Activity in Driving the Living Polymerization under Visible Light and Reusability. Advanced Science, 2020, 7, 1902451.	11.2	22

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19	Hybrid copolymerization via mechanism interconversion between radical vinyl-addition and anion ring-opening polymerization. Polymer Chemistry, 2019, 10, 2117-2125.	3.9	21
20	Variation behavior of pore-water pressure in warm frozen soil under load and its relation to deformation. Acta Geotechnica, 2020, 15, 603-614.	5.7	19
21	Mitochondria-targeted delivery and light controlled release of iron prodrug and CO to enhance cancer therapy by ferroptosis. New Journal of Chemistry, 2020, 44, 3478-3486.	2.8	18
22	Modulating Local Charge Distribution of Carbon Nitride for Promoting Exciton Dissociation and Chargeâ€Induced Reactions. Small, 2021, 17, e2100698.	10.0	18
23	Recent progress in the construction of polymers with advanced chain structures via hybrid, switchable, and cascade chain-growth polymerizations. Polymer Chemistry, 2021, 12, 3740-3752.	3.9	16
24	Photopolymerization performed under dark conditions using long-stored electrons in carbon nitride. Materials Horizons, 2021, 8, 2018-2024.	12.2	15
25	Stable Black Phosphorus Nanosheets Exhibiting High Tumor-Accumulating and Mitochondria-Targeting for Efficient Photothermal Therapy via Double Functionalization. ACS Applied Bio Materials, 2020, 3, 1176-1186.	4.6	14
26	Synthesis of dual-responsive polymer via convertible RAFT and ring-opening polymerizations in one-pot. Applied Surface Science, 2019, 475, 639-644.	6.1	12
27	Synthesis of sequence-controlled polymers via sequential multicomponent reactions and interconvertible hybrid copolymerizations. Polymer Journal, 2020, 52, 33-43.	2.7	11
28	Single nanosheet can sustainably generate oxygen and inhibit respiration simultaneously in cancer cells. Materials Horizons, 2021, 8, 597-605.	12.2	10
29	Dithiocarbamate-mediated controlled copolymerization of ethylene with cyclic ketene acetals towards polyethylene-based degradable copolymers. Polymer Chemistry, 2021, 12, 165-171.	3.9	10
30	Synthesis of copolymer via hybrid polymerization: From random to well-defined sequence. European Polymer Journal, 2020, 122, 109374.	5.4	9
31	Synthesis of Poly(thioester sulfonamide)s via the Ringâ€Opening Copolymerization of Cyclic Thioanhydride with Nâ€Sulfonyl Aziridine Using Mild Phosphazene Base. Macromolecular Rapid Communications, 2022, 43, e2200140.	3.9	9
32	Hybrid copolymerization of acrylate and thiirane monomers mediated by trithiocarbonate. Polymer Chemistry, 2022, 13, 402-410.	3.9	8
33	Visible light-induced living/controlled cationic ring-opening polymerization of lactones. Polymer Journal, 2020, 52, 1323-1331.	2.7	7
34	PET-RAFT Polymerization Catalyzed by Small Organic Molecule under Green Light Irradiation. Polymers, 2019, 11, 892.	4.5	6
35	Expanding the Conjugate Structure of Polymeric Carbon Nitride for Enhanced Light Absorption and Photothermal Conversion. Macromolecular Rapid Communications, 2021, 42, e2100502.	3.9	6
36	The effect of topology of PEG chain on the stability of micelles in brine and serum. Colloids and Interface Science Communications, 2021, 41, 100386.	4.1	5

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37	Tumor Microenvironment Triggered the In Situ Synthesis of an Excellent Sonosensitizer in Tumor for Sonodynamic Therapy. ACS Applied Materials & Interfaces, 2022, 14, 26469-26479.	8.0	5
38	Title is missing!. Transition Metal Chemistry, 2003, 28, 930-934.	1.4	4
39	Doubleâ€stranded ladderphanes with C₂â€symmetric planar chiral ferrocene linkers. Journal of Polymer Science Part A, 2017, 55, 2999-3010.	2.3	4
40	Facile Multicomponent Polymerization and Postpolymerization Modification via an Effective Meldrum's Acidâ€Based Threeâ€Component Reaction. Macromolecular Rapid Communications, 2021, 42, e2000610.	3.9	4
41	Cryogenic wedges and cryoturbations on the Ordos Plateau in North China since 50 ka BP and their paleoenvironmental implications. Permafrost and Periglacial Processes, 2021, 32, 231-247.	3.4	4
42	Mechanism of Pile-Soil Relative Vertical Displacement under the Freeze-Thaw Action. Journal of Testing and Evaluation, 2019, 47, 3646-3655.	0.7	4
43	Preparation, Crystal Structure and Properties of a Pentametallic 3â€Ferrocenylâ€2â€crotonic acidâ€Bridged Copper (II) Complex. Chinese Journal of Chemistry, 2003, 21, 1461-1465.	4.9	3
44	Hydrothermal accumulation under asphalt pavement in cold regions. Energy Science and Engineering, 2019, 7, 1925-1936.	4.0	3
45	Microwave-Enhanced Hydrogenation of Carbonâ€“Carbon Double Bonds in Single-Stranded Polymers by p-Tosylhydrazide. Synthetic Communications, 2010, 40, 1052-1056.	2.1	2
46	Facile Synthesis of Temperature- and pH-responsive Dendriticâ€“Linearâ€“Dendritic Copolymer. Chemistry Letters, 2016, 45, 679-681.	1.3	2
47	A strategy combining quantitative reactions and reversible-covalent chemistry for sequential synthesis of sequence-controlled polymers with different sequences. Polymer, 2019, 172, 294-304.	3.8	1
48	Cyclic topology enhances the killing activity of polycations against planktonic and biofilm bacteria. Journal of Materials Chemistry B, 2022, 10, 4823-4831.	5.8	1