

# Ze Zhang

## List of Publications by Year in descending order

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48  
papers

1,234  
citations

394421

19  
h-index

377865

34  
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48  
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48  
docs citations

48  
times ranked

1258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid copolymerization of acrylate and thiirane monomers mediated by trithiocarbonate. <i>Polymer Chemistry</i> , 2022, 13, 402-410.	3.9	8
2	Cyclic topology enhances the killing activity of polycations against planktonic and biofilm bacteria. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4823-4831.	5.8	1
3	Synthesis of Poly(thioester sulfonamide)s via the Ring-Opening Copolymerization of Cyclic Thioanhydride with <i>N</i> -Sulfonyl Aziridine Using Mild Phosphazene Base. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200140.	3.9	9
4	Simultaneous nanocatalytic surface activation of pollutants and oxidants for highly efficient water decontamination. <i>Nature Communications</i> , 2022, 13, .	12.8	117
5	Tumor Microenvironment Triggered the <i>In Situ</i> Synthesis of an Excellent Sonosensitizer in Tumor for Sonodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26469-26479.	8.0	5
6	Single nanosheet can sustainably generate oxygen and inhibit respiration simultaneously in cancer cells. <i>Materials Horizons</i> , 2021, 8, 597-605.	12.2	10
7	Facile Multicomponent Polymerization and Postpolymerization Modification via an Effective Meldrum's Acid-Based Three-Component Reaction. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000610.	3.9	4
8	Dithiocarbamate-mediated controlled copolymerization of ethylene with cyclic ketene acetals towards polyethylene-based degradable copolymers. <i>Polymer Chemistry</i> , 2021, 12, 165-171.	3.9	10
9	Cryogenic wedges and cryoturbations on the Ordos Plateau in North China since 50 ka BP and their paleoenvironmental implications. <i>Permafrost and Periglacial Processes</i> , 2021, 32, 231-247.	3.4	4
10	Photopolymerization performed under dark conditions using long-stored electrons in carbon nitride. <i>Materials Horizons</i> , 2021, 8, 2018-2024.	12.2	15
11	The effect of topology of PEG chain on the stability of micelles in brine and serum. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100386.	4.1	5
12	Modulating Local Charge Distribution of Carbon Nitride for Promoting Exciton Dissociation and Charge-Induced Reactions. <i>Small</i> , 2021, 17, e2100698.	10.0	18
13	Expanding the Conjugate Structure of Polymeric Carbon Nitride for Enhanced Light Absorption and Photothermal Conversion. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100502.	3.9	6
14	Recent progress in the construction of polymers with advanced chain structures <i>via</i> hybrid, switchable, and cascade chain-growth polymerizations. <i>Polymer Chemistry</i> , 2021, 12, 3740-3752.	3.9	16
15	Variation behavior of pore-water pressure in warm frozen soil under load and its relation to deformation. <i>Acta Geotechnica</i> , 2020, 15, 603-614.	5.7	19
16	Synthesis of sequence-controlled polymers via sequential multicomponent reactions and interconvertible hybrid copolymerizations. <i>Polymer Journal</i> , 2020, 52, 33-43.	2.7	11
17	Stable Black Phosphorus Nanosheets Exhibiting High Tumor-Accumulating and Mitochondria-Targeting for Efficient Photothermal Therapy via Double Functionalization. <i>ACS Applied Bio Materials</i> , 2020, 3, 1176-1186.	4.6	14
18	Synthesis of copolymer via hybrid polymerization: From random to well-defined sequence. <i>European Polymer Journal</i> , 2020, 122, 109374.	5.4	9

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19	Rhodanine-based Knoevenagel reaction and ring-opening polymerization for efficiently constructing multicyclic polymers. <i>Nature Communications</i> , 2020, 11, 3654.	12.8	36
20	Visible light-induced living/controlled cationic ring-opening polymerization of lactones. <i>Polymer Journal</i> , 2020, 52, 1323-1331.	2.7	7
21	Degradable PE-Based Copolymer with Controlled Ester Structure Incorporation by Cobalt-Mediated Radical Copolymerization under Mild Condition. <i>IScience</i> , 2020, 23, 100904.	4.1	42
22	Polymer Nanofibers Exhibiting Remarkable Activity in Driving the Living Polymerization under Visible Light and Reusability. <i>Advanced Science</i> , 2020, 7, 1902451.	11.2	22
23	Mitochondria-targeted delivery and light controlled release of iron prodrug and CO to enhance cancer therapy by ferroptosis. <i>New Journal of Chemistry</i> , 2020, 44, 3478-3486.	2.8	18
24	Hydrothermal accumulation under asphalt pavement in cold regions. <i>Energy Science and Engineering</i> , 2019, 7, 1925-1936.	4.0	3
25	Cationic micelle: A promising nanocarrier for gene delivery with high transfection efficiency. <i>Journal of Gene Medicine</i> , 2019, 21, e3101.	2.8	58
26	PET-RAFT Polymerization Catalyzed by Small Organic Molecule under Green Light Irradiation. <i>Polymers</i> , 2019, 11, 892.	4.5	6
27	Hybrid copolymerization <i>via</i> mechanism interconversion between radical vinyl-addition and anion ring-opening polymerization. <i>Polymer Chemistry</i> , 2019, 10, 2117-2125.	3.9	21
28	A strategy combining quantitative reactions and reversible-covalent chemistry for sequential synthesis of sequence-controlled polymers with different sequences. <i>Polymer</i> , 2019, 172, 294-304.	3.8	1
29	Synthesis of dual-responsive polymer via convertible RAFT and ring-opening polymerizations in one-pot. <i>Applied Surface Science</i> , 2019, 475, 639-644.	6.1	12
30	Interactions in DNA Condensation: An Important Factor for Improving the Efficacy of Gene Transfection. <i>Bioconjugate Chemistry</i> , 2019, 30, 284-292.	3.6	32
31	Mechanism of Pile-Soil Relative Vertical Displacement under the Freeze-Thaw Action. <i>Journal of Testing and Evaluation</i> , 2019, 47, 3646-3655.	0.7	4
32	Synthesis of sequence-controlled polymers via sequential thiol-ene and amino-yne click reactions in one pot. <i>European Polymer Journal</i> , 2018, 103, 80-87.	5.4	30
33	Synthesis of polymers with on-demand sequence structures via dually switchable and interconvertible polymerizations. <i>Nature Communications</i> , 2018, 9, 2577.	12.8	87
34	Multicomponent Reactions and Multicomponent Cascade Reactions for the Synthesis of Sequence-Controlled Polymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800362.	3.9	65
35	Double-stranded ladderphanes with $C_{2v}$ -symmetric planar chiral ferrocene linkers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2999-3010.	2.3	4
36	Facile Synthesis of Temperature- and pH-responsive Dendritic-Linear-Dendritic Copolymer. <i>Chemistry Letters</i> , 2016, 45, 679-681.	1.3	2

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37	One-pot sequential multicomponent reaction and a multicomponent polymerization method for the synthesis of topologically different polymers. <i>Polymer Chemistry</i> , 2016, 7, 1468-1474.	3.9	46
38	Syntheses of Sequence-Controlled Polymers via Consecutive Multicomponent Reactions. <i>Macromolecules</i> , 2015, 48, 3414-3421.	4.8	99
39	Two tandem multicomponent reactions for the synthesis of sequence-defined polymers. <i>Science China Chemistry</i> , 2015, 58, 1734-1740.	8.2	27
40	A novel multicomponent reaction and its application in sequence-ordered functional polymer synthesis. <i>Polymer</i> , 2015, 64, 221-226.	3.8	22
41	Synthesis of Layered MnO <sub>2</sub> Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>Electrochimica Acta</i> , 2014, 132, 239-243.	5.2	49
42	Microwave-Enhanced Hydrogenation of Carbon-Carbon Double Bonds in Single-Stranded Polymers by <i>p</i> -Tosylhydrazide. <i>Synthetic Communications</i> , 2010, 40, 1052-1056.	2.1	2
43	Solvent-free mechanochemical and one-pot reductive benzylications of malononitrile and 4-methylaniline using Hantzsch 1,4-dihydropyridine as the reductant. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1617.	2.8	68
44	Electrical conductivity of hollow polyaniline microspheres synthesized by a self-assembly method. <i>Applied Physics Letters</i> , 2004, 84, 2205-2207.	3.3	28
45	Solid-state radical reactions of 1,3-cyclohexanediones with in situ generated imines mediated by manganese(III) acetate under mechanical milling conditions. <i>Chemical Communications</i> , 2004, , 1832-1833.	4.1	45
46	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 930-934.	1.4	4
47	Electrical conductivity of a single conducting polyaniline nanotube. <i>Applied Physics Letters</i> , 2003, 83, 1863-1865.	3.3	110
48	Preparation, Crystal Structure and Properties of a Pentametallic 3-ferrocenyl-2-acetate-bridged Copper (II) Complex. <i>Chinese Journal of Chemistry</i> , 2003, 21, 1461-1465.	4.9	3