Jian Zhu

List of Publications by Year
in descending order

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94	2,672	236925	233421
papers	citations	25	45
		h-index	g-index

97	97	97	3091
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Precisely Structured Olefin Copolymers by Phenylseleno Oxidation Elimination. Macromolecular Chemistry and Physics, 2022, 223, 2100351.	2.2	3
2	Catalyst-Free, Visible-Light-Induced Step-Growth Polymerization by a Photo-RAFT Single-Unit Monomer Insertion Reaction. ACS Macro Letters, 2022, 11, 230-235.	4.8	12
3	Thermally Driven Diselenide Metathesis: Polarization Process vs Radical Process. ACS Macro Letters, 2022, 11, 264-269.	4.8	8
4	Controlled microflow cationic polymerization of vinyl ethers under ambient conditions. Chemical Engineering Journal, 2022, 435, 134828.	12.7	3
5	Sarm1 activation produces cADPR to increase intra-axonal Ca++ and promote axon degeneration in PIPN. Journal of Cell Biology, 2022, 221, .	5.2	44
6	Xanthate-Based Photoiniferter RAFT Polymerization toward Oxygen-Tolerant and Rapid Living 3D Printing. Macromolecules, 2022, 55, 1620-1628.	4.8	25
7	AIB1 is a novel target of the highâ€risk HPV E6 protein and a biomarker of cervical cancer progression. Journal of Medical Virology, 2022, 94, 3962-3977.	5.0	4
8	Fabrication of Oxidative and pH Dual-Responsive Photonic Crystals Based on Sulfide-Containing Block Copolymers. ACS Applied Polymer Materials, 2022, 4, 3315-3323.	4.4	5
9	Controlled cationic polymerization using RAFT agents with selenonium cations as metal-free Lewis acids: from homogeneous to heterogeneous catalysis. Polymer Chemistry, 2022, 13, 2757-2763.	3.9	5
10	Polyamine biosynthesis and eIF5A hypusination are modulated by the DNA tumor virus KSHV and promote KSHV viral infection. PLoS Pathogens, 2022, 18, e1010503.	4.7	9
11	Visual Ozone Sensor: Structural Color Change of Pendant Seleniumâ€Containing Maleimide Polymers via Oxidation. Macromolecular Rapid Communications, 2021, 42, 2000517.	3.9	5
12	Multiple domain interfaces mediate SARM1 autoinhibition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	54
13	Diselenideâ€“yne polymerization for multifunctional selenium-containing hyperbranched polymers. Polymer Chemistry, 2021, 12, 3383-3390.	3.9	9
14	Living cationic polymerization of vinyl ethers initiated by electrophilic selenium reagents under ambient conditions. Polymer Chemistry, 2021, 12, 983-990.	3.9	12
15	Photoresponsive dynamic covalent bond based on additionâ€“fragmentation chain transfer of allyl selenides. Polymer Chemistry, 2021, 12, 1622-1626.	3.9	14
16	Controllable Radical Polymerization of Selenide Functionalized Vinyl Monomers and Its Application in Redox Responsive Photonic Crystals. Macromolecular Rapid Communications, 2021, 42, e2000764.	3.9	9
17	An On-Demand Dissoluble Chitosan Hydrogel Containing Dynamic Diselenide Bond. Gels, 2021, 7, 21.	4.5	9
18	Manganese-Catalyzed Batch and Continuous Flow Cationic RAFT Polymerization Induced by Visible Light. ACS Macro Letters, 2021, 10, 570-575.	4.8	19

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19	Synthesis of Selenium-Containing Polystyrene Microspheres and Using as Catalyst for Oxidation of Acrolein. Polymers, 2021, 13, 1632.	4.5	4
20	Combination of the Photoinduced Atom Transfer Radical Addition Reaction and Living Cationic Polymerization: A Latent Initiator Strategy toward Tailoring Polymer Molecular Weight Distributions. Macromolecules, 2021, 54, 6502-6510.	4.8	15
21	Controlling Polymer Molecular Weight Distribution through a Latent Mediator Strategy with Temporal Programming. Angewandte Chemie - International Edition, 2021, 60, 19705-19709.	13.8	16
22	Inhibition of polo-like kinase 1 (PLK1) facilitates reactivation of gamma-herpesviruses and their elimination. PLoS Pathogens, 2021, 17, e1009764.	4.7	4
23	Controlling Polymer Molecular Weight Distribution through a Latent Mediator Strategy with Temporal Programming. Angewandte Chemie, 2021, 133, 19857-19861.	2.0	2
24	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. Experimental Neurology, 2021, 345, 113842.	4.1	24
25	Photoinduced Free Radical Promoted Cationic RAFT Polymerization toward â€œLivingâ€•3D Printing. ACS Macro Letters, 2021, 10, 1315-1320.	4.8	29
26	Neurotoxins subvert the allosteric activation mechanism of SARM1 to induce neuronal loss. Cell Reports, 2021, 37, 109872.	6.4	18
27	SHARPIN Inhibits Esophageal Squamous Cell Carcinoma Progression by Modulating Hippo Signaling. Neoplasia, 2020, 22, 76-85.	5.3	20
28	CDK7 regulates organ size and tumor growth by safeguarding the Hippo pathway effector Yki/Yap/Taz in the nucleus. Genes and Development, 2020, 34, 53-71.	5.9	43
29	The ubiquitin ligase RNF181 stabilizes ERÎ± and modulates breast cancer progression. Oncogene, 2020, 39, 6776-6788.	5.9	21
30	Organoselenium chemistry-based polymer synthesis. Organic Chemistry Frontiers, 2020, 7, 2815-2841.	4.5	64
31	On-Demand Dissoluble Diselenide-Containing Hydrogel. Biomacromolecules, 2020, 21, 3308-3317.	5.4	20
32	Near-Infrared, Light-Induced Cationic and Radical RAFT Polymerization Catalyzed by Iron Complex. ACS Macro Letters, 2020, 9, 1799-1805.	4.8	26
33	Phospho-Ser784-VCP Is Required for DNA Damage Response and Is Associated with Poor Prognosis of Chemotherapy-Treated Breast Cancer. Cell Reports, 2020, 31, 107745.	6.4	17
34	Regulation of Hippo/YAP signaling and Esophageal Squamous Carcinoma progression by an E3 ubiquitin ligase PARK2. Theranostics, 2020, 10, 9443-9457.	10.0	52
35	A Novel Synthesis of Poly(Ester-Alt-Selenide)s by Ring-Opening Copolymerization of Î³-Selenobutyrolactone and Epoxy Monomer. Polymers, 2020, 12, 1203.	4.5	8
36	Nucleolar protein NOP2/NSUN1 suppresses HIV-1 transcription and promotes viral latency by competing with Tat for TAR binding and methylation. PLoS Pathogens, 2020, 16, e1008430.	4.7	42

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37	Novel AIEgen-Functionalized Diselenide-Crosslinked Polymer Gels as Fluorescent Probes and Drug Release Carriers. Polymers, 2020, 12, 551.	4.5	20
38	Manganese carbonyl induced cationic reversible additionâ€“fragmentation chain transfer (C-RAFT) polymerization under visible light. Polymer Chemistry, 2020, 11, 2724-2731.	3.9	20
39	Phosphorylation of Ci/Gli by Fused Family Kinases Promotes Hedgehog Signaling. Developmental Cell, 2019, 50, 610-626.e4.	7.0	47
40	Synthesis of high refractive index polymer with pendent selenium-containing maleimide and use as a redox sensor. Polymer Chemistry, 2019, 10, 4279-4286.	3.9	25
41	Atypical ubiquitin-binding protein SHARPIN promotes breast cancer progression. Biomedicine and Pharmacotherapy, 2019, 119, 109414.	5.6	14
42	One-pot cascade polymerization based on the addition reactions of electrophilic selenium reagents to alkenes. Polymer Chemistry, 2019, 10, 574-581.	3.9	11
43	Exploring the â€œminimalâ€•structure of a functional ADAMTS13 by mutagenesis and small-angle X-ray scattering. Blood, 2019, 133, 1909-1918.	1.4	23
44	Phylogenetic and functional analysis of ADAMTS13 identifies highly conserved domains essential for allosteric regulation. Blood, 2019, 133, 1899-1908.	1.4	23
45	Visible light induced controlled cationic polymerization by in situ generated catalyst from manganese carbonyl. Chemical Communications, 2019, 55, 7045-7048.	4.1	23
46	The functionalization of poly(Îµ-caprolactone) as a versatile platform using Îµ-(Î±-phenylseleno) caprolactone as a monomer. Polymer Chemistry, 2019, 10, 3851-3858.	3.9	11
47	Recyclable Self-Healing Polyurethane Cross-Linked by Alkyl Diselenide with Enhanced Mechanical Properties. Polymers, 2019, 11, 773.	4.5	19
48	Selenol-Based Nucleophilic Reaction for the Preparation of Reactive Oxygen Species-Responsive Amphiphilic Diblock Copolymers. Polymers, 2019, 11, 827.	4.5	1
49	Regulation of estrogen signaling and breast cancer proliferation by an ubiquitin ligase TRIM56. Oncogenesis, 2019, 8, 30.	4.9	62
50	Curaxin CBL0137 has the potential to reverse HIVâ€1 latency. Journal of Medical Virology, 2019, 91, 1571-1576.	5.0	4
51	Hyperbranched Polycaprolactone through RAFT Polymerization of 2-Methylene-1,3-dioxepane. Polymers, 2019, 11, 318.	4.5	19
52	Investigation into the Direct Photolysis Process of Photo-Induced RAFT Polymerization by ESR Spin Trapping. Polymers, 2019, 11, 1722.	4.5	10
53	Synthesis of selenide-containing polymers by multicomponent polymerization based on Î³-butyroselenolactone. Polymer Chemistry, 2019, 10, 6395-6400.	3.9	9
54	Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. Macromolecules, 2019, 52, 236-248.	4.8	105

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55	Photoinduced controlled radical polymerization of methyl acrylate and vinyl acetate by xanthate. Polymer Chemistry, 2018, 9, 2897-2904.	3.9	19
56	Chemical Space Expansion of Bromodomain Ligands Guided by in Silico Virtual Couplings (AutoCouple). ACS Central Science, 2018, 4, 180-188.	11.3	26
57	Facile synthesis of advanced gradient polymers with sequence control using furan-protected maleimide as a comonomer. Polymer Chemistry, 2018, 9, 1571-1576.	3.9	18
58	SMURF1 facilitates estrogen receptor É‘ signaling in breast cancer cells. Journal of Experimental and Clinical Cancer Research, 2018, 37, 24.	8.6	42
59	Regulation of Yki/Yap subcellular localization and Hpo signaling by a nuclear kinase PRP4K. Nature Communications, 2018, 9, 1657.	12.8	35
60	<scp>STAT</scp>1 facilitates oestrogen receptor Î± transcription and stimulates breast cancer cell proliferation. Journal of Cellular and Molecular Medicine, 2018, 22, 6077-6086.	3.6	37
61	Structure-based discovery of selective BRPF1 bromodomain inhibitors. European Journal of Medicinal Chemistry, 2018, 155, 337-352.	5.5	26
62	RNF 168 facilitates oestrogen receptor É‘ transcription and drives breast cancer proliferation. Journal of Cellular and Molecular Medicine, 2018, 22, 4161-4170.	3.6	10
63	Copolymerization of Phenylselenide-Substituted Maleimide with Styrene and Its Oxidative Elimination Behavior. Polymers, 2018, 10, 321.	4.5	5
64	Dynamic diselenide-containing polyesters from alcoholysis/oxidation of Î³-butyroselenolactone. Polymer Chemistry, 2018, 9, 4044-4051.	3.9	20
65	Highly Conjugated Three-Dimensional Covalent Organic Frameworks Based on Spirobifluorene for Perovskite Solar Cell Enhancement. Journal of the American Chemical Society, 2018, 140, 10016-10024.	13.7	195
66	Selenide-Containing Polyimides with an Ultrahigh Intrinsic Refractive Index. Polymers, 2018, 10, 417.	4.5	22
67	Binding Motifs in the CBP Bromodomain: An Analysis of 20 Crystal Structures of Complexes with Small Molecules. ACS Medicinal Chemistry Letters, 2018, 9, 929-934.	2.8	8
68	SHARPIN Facilitates p53 Degradation in Breast Cancer Cells. Neoplasia, 2017, 19, 84-92.	5.3	36
69	Aromatic diselenide crosslinkers to enhance the reprocessability and self-healing of polyurethane thermosets. Polymer Chemistry, 2017, 8, 3641-3646.	3.9	102
70	Selenium borohydride reaction as a versatile platform for the straightforward preparation of selenide-containing topological polymers. Polymer Chemistry, 2017, 8, 3958-3964.	3.9	8
71	A degradable cross-linked polymer containing dynamic covalent selenide bond. Polymer Chemistry, 2017, 8, 3874-3880.	3.9	16
72	Virtual screen to NMR (VS2NMR): Discovery of fragment hits for the CBP bromodomain. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2472-2478.	2.2	18

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73	Temperature programed photo-induced RAFT polymerization of stereo-block copolymers of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Ov	3.9	22
74	Toward alternating copolymerization of maleimide and vinyl acetate driven by hydrogen bonding. Polymer Chemistry, 2017, 8, 6909-6916.	3.9	9
75	Chlorophyll a crude extract: efficient photo-degradable photocatalyst for PET-RAFT polymerization. Chemical Communications, 2017, 53, 12560-12563.	4.1	58
76	Biophysical Evidence for Intrinsic Disorder in the C-terminal Tails of the Epidermal Growth Factor Receptor (EGFR) and HER3 Receptor Tyrosine Kinases. Journal of Biological Chemistry, 2017, 292, 597-610.	3.4	24
77	Visible Light-Induced Metal Free Surface Initiated Atom Transfer Radical Polymerization of Methyl Methacrylate on SBA-15. Polymers, 2017, 9, 58.	4.5	23
78	Atypical ubiquitin ligase RNF31: the nuclear factor modulator in breast cancer progression. BMC Cancer, 2016, 16, 538.	2.6	28
79	Twenty Crystal Structures of Bromodomain and PHD Finger Containing Protein 1 (BRPF1)/Ligand Complexes Reveal Conserved Binding Motifs and Rare Interactions. Journal of Medicinal Chemistry, 2016, 59, 5555-5561.	6.4	33
80	The â€œGatekeeperâ€•Residue Influences the Mode of Binding of Acetyl Indoles to Bromodomains. Journal of Medicinal Chemistry, 2016, 59, 3087-3097.	6.4	36
81	The Hunt for the "Minimal" Structure of a Functional ADAMTS13: Study of Deletion Mutations of ADAMTS13 By Small-Angle X-Ray Scattering. Blood, 2016, 128, 254-254.	1.4	0
82	Phylogenetic Analysis Identifies a Subset of ADAMTS13 Domains That Are Highly Conserved and Essential for Allosteric Regulation. Blood, 2016, 128, 1385-1385.	1.4	0
83	Allosteric activation of ADAMTS13 by von Willebrand factor. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18584-18589.	7.1	123
84	A Folded ADAMTS13 Conformation Identified By Small-Angle X-Ray Scattering Can Account for Allosteric Regulation By Distal Thrombospondin-1 and CUB Domains. Blood, 2014, 124, 107-107.	1.4	1
85	X-ray Crystal Structure of Phosphodiesterase 2 in Complex with a Highly Selective, Nanomolar Inhibitor Reveals a Binding-Induced Pocket Important for Selectivity. Journal of the American Chemical Society, 2013, 135, 11708-11711.	13.7	56
86	An optimized fluorogenic ADAMTS13 assay with increased sensitivity for the investigation of patients with thrombotic thrombocytopenic purpura. Journal of Thrombosis and Haemostasis, 2013, 11, 1511-1518.	3.8	35
87	Rearranging Exosites in Noncatalytic Domains Can Redirect the Substrate Specificity of ADAMTS Proteases. Journal of Biological Chemistry, 2012, 287, 26944-26952.	3.4	26
88	DNA Methylation status of Wnt antagonist SFRP5 can predict the response to the EGFR-tyrosine kinase inhibitor therapy in non-small cell lung cancer. Journal of Experimental and Clinical Cancer Research, 2012, 31, 80.	8.6	39
89	Small-Angle X-Ray Scattering Studies of ADAMTS13 Demonstrate a Conformational Response to Substrate Binding in Solution. Blood, 2011, 118, 1191-1191.	1.4	0
90	A Polymeric Protein Anchors the Chromosomal Origin/ParB Complex at a Bacterial Cell Pole. Cell, 2008, 134, 945-955.	28.9	295

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91	Simultaneous reduction of iron-sulfur protein and cytochrome bL during ubiquinol oxidation in cytochrome bc1 complex. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4864-4869.	7.1	84
92	Reconstitution of cytochrome b-560 (QPs1) of bovine heart mitochondrial succinateâ€“ubiquinone reductase1This work was supported in part by a grant from the NIH (GM30721).1. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1363, 35-46.	1.0	10
93	Fabrication of multi-responsive photonic crystals based on selenium-containing copolymers. Polymer Chemistry, 0, , .	3.9	0
94	Controlling polymer molecular weight distributions by light through reversible additionâ€fragmentation chain transferâ€heteroâ€Dielsâ€“Alder click conjugation. Journal of Polymer Science, 0, , .	3.8	1