

# Jian Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/803884/publications.pdf>

Version: 2024-02-01

94  
papers

2,672  
citations

236925

25  
h-index

233421

45  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3091  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Polymeric Protein Anchors the Chromosomal Origin/ParB Complex at a Bacterial Cell Pole. <i>Cell</i> , 2008, 134, 945-955.	28.9	295
2	Highly Conjugated Three-Dimensional Covalent Organic Frameworks Based on Spirobifluorene for Perovskite Solar Cell Enhancement. <i>Journal of the American Chemical Society</i> , 2018, 140, 10016-10024.	13.7	195
3	Allosteric activation of ADAMTS13 by von Willebrand factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18584-18589.	7.1	123
4	Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. <i>Macromolecules</i> , 2019, 52, 236-248.	4.8	105
5	Aromatic diselenide crosslinkers to enhance the reprocessability and self-healing of polyurethane thermosets. <i>Polymer Chemistry</i> , 2017, 8, 3641-3646.	3.9	102
6	Simultaneous reduction of iron-sulfur protein and cytochrome bL during ubiquinol oxidation in cytochrome bc1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4864-4869.	7.1	84
7	Organoselenium chemistry-based polymer synthesis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2815-2841.	4.5	64
8	Regulation of estrogen signaling and breast cancer proliferation by an ubiquitin ligase TRIM56. <i>Oncogenesis</i> , 2019, 8, 30.	4.9	62
9	Chlorophyll a crude extract: efficient photo-degradable photocatalyst for PET-RAFT polymerization. <i>Chemical Communications</i> , 2017, 53, 12560-12563.	4.1	58
10	X-ray Crystal Structure of Phosphodiesterase 2 in Complex with a Highly Selective, Nanomolar Inhibitor Reveals a Binding-Induced Pocket Important for Selectivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 11708-11711.	13.7	56
11	Multiple domain interfaces mediate SARM1 autoinhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	54
12	Regulation of Hippo/YAP signaling and Esophageal Squamous Carcinoma progression by an E3 ubiquitin ligase PARK2. <i>Theranostics</i> , 2020, 10, 9443-9457.	10.0	52
13	Phosphorylation of Ci/Gli by Fused Family Kinases Promotes Hedgehog Signaling. <i>Developmental Cell</i> , 2019, 50, 610-626.e4.	7.0	47
14	Sarm1 activation produces cADPR to increase intra-axonal Ca <sup>++</sup> and promote axon degeneration in PIPN. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	44
15	CDK7 regulates organ size and tumor growth by safeguarding the Hippo pathway effector Yki/Yap/Taz in the nucleus. <i>Genes and Development</i> , 2020, 34, 53-71.	5.9	43
16	SMURF1 facilitates estrogen receptor $\text{E}\acute{\text{r}}$ signaling in breast cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 24.	8.6	42
17	Nucleolar protein NOP2/NSUN1 suppresses HIV-1 transcription and promotes viral latency by competing with Tat for TAR binding and methylation. <i>PLoS Pathogens</i> , 2020, 16, e1008430.	4.7	42
18	DNA Methylation status of Wnt antagonist SFRP5 can predict the response to the EGFR-tyrosine kinase inhibitor therapy in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2012, 31, 80.	8.6	39

#	ARTICLE	IF	CITATIONS
19	<sc>STAT</sc>1 facilitates oestrogen receptor $\hat{\pm}$ transcription and stimulates breast cancer cell proliferation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6077-6086.	3.6	37
20	The "Gatekeeper" Residue Influences the Mode of Binding of Acetyl Indoles to Bromodomains. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3087-3097.	6.4	36
21	SHARPIN Facilitates p53 Degradation in Breast Cancer Cells. <i>Neoplasia</i> , 2017, 19, 84-92.	5.3	36
22	An optimized fluorogenic ADAMTS13 assay with increased sensitivity for the investigation of patients with thrombotic thrombocytopenic purpura. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 1511-1518.	3.8	35
23	Regulation of Yki/Yap subcellular localization and Hpo signaling by a nuclear kinase PRP4K. <i>Nature Communications</i> , 2018, 9, 1657.	12.8	35
24	Twenty Crystal Structures of Bromodomain and PHD Finger Containing Protein 1 (BRPF1)/Ligand Complexes Reveal Conserved Binding Motifs and Rare Interactions. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5555-5561.	6.4	33
25	Photoinduced Free Radical Promoted Cationic RAFT Polymerization toward "Living" 3D Printing. <i>ACS Macro Letters</i> , 2021, 10, 1315-1320.	4.8	29
26	Atypical ubiquitin ligase RNF31: the nuclear factor modulator in breast cancer progression. <i>BMC Cancer</i> , 2016, 16, 538.	2.6	28
27	Rearranging Exosites in Noncatalytic Domains Can Redirect the Substrate Specificity of ADAMTS Proteases. <i>Journal of Biological Chemistry</i> , 2012, 287, 26944-26952.	3.4	26
28	Chemical Space Expansion of Bromodomain Ligands Guided by in Silico Virtual Couplings (AutoCouple). <i>ACS Central Science</i> , 2018, 4, 180-188.	11.3	26
29	Structure-based discovery of selective BRPF1 bromodomain inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 337-352.	5.5	26
30	Near-Infrared, Light-Induced Cationic and Radical RAFT Polymerization Catalyzed by Iron Complex. <i>ACS Macro Letters</i> , 2020, 9, 1799-1805.	4.8	26
31	Synthesis of high refractive index polymer with pendent selenium-containing maleimide and use as a redox sensor. <i>Polymer Chemistry</i> , 2019, 10, 4279-4286.	3.9	25
32	Xanthate-Based Photoiniferter RAFT Polymerization toward Oxygen-Tolerant and Rapid Living 3D Printing. <i>Macromolecules</i> , 2022, 55, 1620-1628.	4.8	25
33	Biophysical Evidence for Intrinsic Disorder in the C-terminal Tails of the Epidermal Growth Factor Receptor (EGFR) and HER3 Receptor Tyrosine Kinases. <i>Journal of Biological Chemistry</i> , 2017, 292, 597-610.	3.4	24
34	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. <i>Experimental Neurology</i> , 2021, 345, 113842.	4.1	24
35	Visible Light-Induced Metal Free Surface Initiated Atom Transfer Radical Polymerization of Methyl Methacrylate on SBA-15. <i>Polymers</i> , 2017, 9, 58.	4.5	23
36	Exploring the "minimal" structure of a functional ADAMTS13 by mutagenesis and small-angle X-ray scattering. <i>Blood</i> , 2019, 133, 1909-1918.	1.4	23

#	ARTICLE	IF	CITATIONS
37	Phylogenetic and functional analysis of ADAMTS13 identifies highly conserved domains essential for allosteric regulation. <i>Blood</i> , 2019, 133, 1899-1908.	1.4	23
38	Visible light induced controlled cationic polymerization by <i>in situ</i> generated catalyst from manganese carbonyl. <i>Chemical Communications</i> , 2019, 55, 7045-7048.	4.1	23
39	Temperature programmed photo-induced RAFT polymerization of stereo-block copolymers of poly(vinyl) Tj ETQq1 1 0,784314 rgBT /Ov	3.9	22
40	Selenide-Containing Polyimides with an Ultrahigh Intrinsic Refractive Index. <i>Polymers</i> , 2018, 10, 417.	4.5	22
41	The ubiquitin ligase RNF181 stabilizes ER $\alpha$ and modulates breast cancer progression. <i>Oncogene</i> , 2020, 39, 6776-6788.	5.9	21
42	Dynamic diselenide-containing polyesters from alcoholysis/oxidation of $\beta$ -butyroselenolactone. <i>Polymer Chemistry</i> , 2018, 9, 4044-4051.	3.9	20
43	SHARPIN Inhibits Esophageal Squamous Cell Carcinoma Progression by Modulating Hippo Signaling. <i>Neoplasia</i> , 2020, 22, 76-85.	5.3	20
44	On-Demand Dissoluble Diselenide-Containing Hydrogel. <i>Biomacromolecules</i> , 2020, 21, 3308-3317.	5.4	20
45	Novel AIEgen-Functionalized Diselenide-Crosslinked Polymer Gels as Fluorescent Probes and Drug Release Carriers. <i>Polymers</i> , 2020, 12, 551.	4.5	20
46	Manganese carbonyl induced cationic reversible addition-fragmentation chain transfer (C-RAFT) polymerization under visible light. <i>Polymer Chemistry</i> , 2020, 11, 2724-2731.	3.9	20
47	Photoinduced controlled radical polymerization of methyl acrylate and vinyl acetate by xanthate. <i>Polymer Chemistry</i> , 2018, 9, 2897-2904.	3.9	19
48	Recyclable Self-Healing Polyurethane Cross-Linked by Alkyl Diselenide with Enhanced Mechanical Properties. <i>Polymers</i> , 2019, 11, 773.	4.5	19
49	Hyperbranched Polycaprolactone through RAFT Polymerization of 2-Methylene-1,3-dioxepane. <i>Polymers</i> , 2019, 11, 318.	4.5	19
50	Manganese-Catalyzed Batch and Continuous Flow Cationic RAFT Polymerization Induced by Visible Light. <i>ACS Macro Letters</i> , 2021, 10, 570-575.	4.8	19
51	Virtual screen to NMR (VS2NMR): Discovery of fragment hits for the CBP bromodomain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2472-2478.	2.2	18
52	Facile synthesis of advanced gradient polymers with sequence control using furan-protected maleimide as a comonomer. <i>Polymer Chemistry</i> , 2018, 9, 1571-1576.	3.9	18
53	Neurotoxins subvert the allosteric activation mechanism of SARM1 to induce neuronal loss. <i>Cell Reports</i> , 2021, 37, 109872.	6.4	18
54	Phospho-Ser784-VCP Is Required for DNA Damage Response and Is Associated with Poor Prognosis of Chemotherapy-Treated Breast Cancer. <i>Cell Reports</i> , 2020, 31, 107745.	6.4	17

#	ARTICLE	IF	CITATIONS
55	A degradable cross-linked polymer containing dynamic covalent selenide bond. <i>Polymer Chemistry</i> , 2017, 8, 3874-3880.	3.9	16
56	Controlling Polymer Molecular Weight Distribution through a Latent Mediator Strategy with Temporal Programming. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19705-19709.	13.8	16
57	Combination of the Photoinduced Atom Transfer Radical Addition Reaction and Living Cationic Polymerization: A Latent Initiator Strategy toward Tailoring Polymer Molecular Weight Distributions. <i>Macromolecules</i> , 2021, 54, 6502-6510.	4.8	15
58	Atypical ubiquitin-binding protein SHARPIN promotes breast cancer progression. <i>Biomedicine and Pharmacotherapy</i> , 2019, 119, 109414.	5.6	14
59	Photoresponsive dynamic covalent bond based on addition-fragmentation chain transfer of allyl selenides. <i>Polymer Chemistry</i> , 2021, 12, 1622-1626.	3.9	14
60	Living cationic polymerization of vinyl ethers initiated by electrophilic selenium reagents under ambient conditions. <i>Polymer Chemistry</i> , 2021, 12, 983-990.	3.9	12
61	Catalyst-Free, Visible-Light-Induced Step-Growth Polymerization by a Photo-RAFT Single-Unit Monomer Insertion Reaction. <i>ACS Macro Letters</i> , 2022, 11, 230-235.	4.8	12
62	One-pot cascade polymerization based on the addition reactions of electrophilic selenium reagents to alkenes. <i>Polymer Chemistry</i> , 2019, 10, 574-581.	3.9	11
63	The functionalization of poly( $\epsilon$ -caprolactone) as a versatile platform using $\mu$ -( $\pm$ -phenylseleno) caprolactone as a monomer. <i>Polymer Chemistry</i> , 2019, 10, 3851-3858.	3.9	11
64	Reconstitution of cytochrome b-560 (QPs1) of bovine heart mitochondrial succinate-ubiquinone reductase1. This work was supported in part by a grant from the NIH (GM30721). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1363, 35-46.	1.0	10
65	RNF 168 facilitates oestrogen receptor $\epsilon$ transcription and drives breast cancer proliferation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4161-4170.	3.6	10
66	Investigation into the Direct Photolysis Process of Photo-Induced RAFT Polymerization by ESR Spin Trapping. <i>Polymers</i> , 2019, 11, 1722.	4.5	10
67	Toward alternating copolymerization of maleimide and vinyl acetate driven by hydrogen bonding. <i>Polymer Chemistry</i> , 2017, 8, 6909-6916.	3.9	9
68	Synthesis of selenide-containing polymers by multicomponent polymerization based on $\beta$ -butyroselenolactone. <i>Polymer Chemistry</i> , 2019, 10, 6395-6400.	3.9	9
69	Diselenide-ene polymerization for multifunctional selenium-containing hyperbranched polymers. <i>Polymer Chemistry</i> , 2021, 12, 3383-3390.	3.9	9
70	Controllable Radical Polymerization of Selenide Functionalized Vinyl Monomers and Its Application in Redox Responsive Photonic Crystals. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000764.	3.9	9
71	An On-Demand Dissoluble Chitosan Hydrogel Containing Dynamic Diselenide Bond. <i>Gels</i> , 2021, 7, 21.	4.5	9
72	Polyamine biosynthesis and eIF5A hypusination are modulated by the DNA tumor virus KSHV and promote KSHV viral infection. <i>PLoS Pathogens</i> , 2022, 18, e1010503.	4.7	9

#	ARTICLE	IF	CITATIONS
73	Selenium borohydride reaction as a versatile platform for the straightforward preparation of selenide-containing topological polymers. <i>Polymer Chemistry</i> , 2017, 8, 3958-3964.	3.9	8
74	Binding Motifs in the CBP Bromodomain: An Analysis of 20 Crystal Structures of Complexes with Small Molecules. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 929-934.	2.8	8
75	A Novel Synthesis of Poly(Ester-Alt-Selenide)s by Ring-Opening Copolymerization of $\beta$ -Selenobutyrolactone and Epoxy Monomer. <i>Polymers</i> , 2020, 12, 1203.	4.5	8
76	Thermally Driven Diselenide Metathesis: Polarization Process vs Radical Process. <i>ACS Macro Letters</i> , 2022, 11, 264-269.	4.8	8
77	Copolymerization of Phenylselenide-Substituted Maleimide with Styrene and Its Oxidative Elimination Behavior. <i>Polymers</i> , 2018, 10, 321.	4.5	5
78	Visual Ozone Sensor: Structural Color Change of Pendant Selenium-Containing Maleimide Polymers via Oxidation. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000517.	3.9	5
79	Fabrication of Oxidative and pH Dual-Responsive Photonic Crystals Based on Sulfide-Containing Block Copolymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3315-3323.	4.4	5
80	Controlled cationic polymerization using RAFT agents with selenonium cations as metal-free Lewis acids: from homogeneous to heterogeneous catalysis. <i>Polymer Chemistry</i> , 2022, 13, 2757-2763.	3.9	5
81	Curaxin CBL0137 has the potential to reverse HIV-1 latency. <i>Journal of Medical Virology</i> , 2019, 91, 1571-1576.	5.0	4
82	Synthesis of Selenium-Containing Polystyrene Microspheres and Using as Catalyst for Oxidation of Acrolein. <i>Polymers</i> , 2021, 13, 1632.	4.5	4
83	Inhibition of polo-like kinase 1 (PLK1) facilitates reactivation of gamma-herpesviruses and their elimination. <i>PLoS Pathogens</i> , 2021, 17, e1009764.	4.7	4
84	AIB1 is a novel target of the high-risk HPV E6 protein and a biomarker of cervical cancer progression. <i>Journal of Medical Virology</i> , 2022, 94, 3962-3977.	5.0	4
85	Synthesis of Precisely Structured Olefin Copolymers by Phenylseleno Oxidation Elimination. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, 2100351.	2.2	3
86	Controlled microflow cationic polymerization of vinyl ethers under ambient conditions. <i>Chemical Engineering Journal</i> , 2022, 435, 134828.	12.7	3
87	Controlling Polymer Molecular Weight Distribution through a Latent Mediator Strategy with Temporal Programming. <i>Angewandte Chemie</i> , 2021, 133, 19857-19861.	2.0	2
88	Selenol-Based Nucleophilic Reaction for the Preparation of Reactive Oxygen Species-Responsive Amphiphilic Diblock Copolymers. <i>Polymers</i> , 2019, 11, 827.	4.5	1
89	A Folded ADAMTS13 Conformation Identified By Small-Angle X-Ray Scattering Can Account for Allosteric Regulation By Distal Thrombospondin-1 and CUB Domains. <i>Blood</i> , 2014, 124, 107-107.	1.4	1
90	Controlling polymer molecular weight distributions by light through reversible addition-fragmentation chain transfer-hetero-Diels-Alder click conjugation. <i>Journal of Polymer Science</i> , 0, , .	3.8	1

#	ARTICLE	IF	CITATIONS
91	Small-Angle X-Ray Scattering Studies of ADAMTS13 Demonstrate a Conformational Response to Substrate Binding in Solution. <i>Blood</i> , 2011, 118, 1191-1191.	1.4	0
92	The Hunt for the "Minimal" Structure of a Functional ADAMTS13: Study of Deletion Mutations of ADAMTS13 By Small-Angle X-Ray Scattering. <i>Blood</i> , 2016, 128, 254-254.	1.4	0
93	Phylogenetic Analysis Identifies a Subset of ADAMTS13 Domains That Are Highly Conserved and Essential for Allosteric Regulation. <i>Blood</i> , 2016, 128, 1385-1385.	1.4	0
94	Fabrication of multi-responsive photonic crystals based on selenium-containing copolymers. <i>Polymer Chemistry</i> , 0, , .	3.9	0