

# Zhou Songyang

## List of Publications by Year in descending order

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107  
papers

7,080  
citations

76326

40  
h-index

60623

81  
g-index

110  
all docs

110  
docs citations

110  
times ranked

9905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective autophagy controls the stability of TBK1 via NEDD4 to balance host defense. <i>Cell Death and Differentiation</i> , 2022, 29, 40-53.	11.2	21
2	Bend family proteins mark chromatin boundaries and synergistically promote early germ cell differentiation. <i>Protein and Cell</i> , 2022, 13, 721-741.	11.0	6
3	An inducible CRISPR/Cas9 screen identifies DTX2 as a transcriptional regulator of human telomerase. <i>IScience</i> , 2022, 25, 103813.	4.1	6
4	<scp>FPIA</scp>: A database for gene fusion profiling and interactive analyses. <i>International Journal of Cancer</i> , 2022, 150, 1504-1511.	5.1	4
5	Field cancerization profile-based prognosis signatures lead to more robust risk evaluation in hepatocellular carcinoma. <i>IScience</i> , 2022, 25, 103747.	4.1	4
6	REIA: A database for cancer A-to-I RNA editing with interactive analysis. <i>International Journal of Biological Sciences</i> , 2022, 18, 2472-2483.	6.4	7
7	TIN2 deficiency leads to ALT-associated phenotypes and differentiation defects in embryonic stem cells. <i>Stem Cell Reports</i> , 2022, 17, 1183-1197.	4.8	3
8	Natural Product Library Screens Identify Sanguinarine Chloride as a Potent Inhibitor of Telomerase Expression and Activity. <i>Cells</i> , 2022, 11, 1485.	4.1	7
9	TRIM28 inhibits alternative lengthening of telomere phenotypes by protecting SETDB1 from degradation. <i>Cell and Bioscience</i> , 2021, 11, 149.	4.8	8
10	Global molecular features in transcription and chromatin accessibility in human extended pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 574, 63-69.	2.1	1
11	A tribute to Professor Yong Zhao. <i>Protein and Cell</i> , 2021, , 1.	11.0	2
12	Comprehensive Analysis of Large-Scale Transcriptomes from Multiple Cancer Types. <i>Genes</i> , 2021, 12, 1865.	2.4	3
13	TAD reorganization: a new mechanism for cell fate determination. <i>Cell Regeneration</i> , 2021, 10, 37.	2.6	1
14	The role of telomere-binding modulators in pluripotent stem cells. <i>Protein and Cell</i> , 2020, 11, 60-70.	11.0	11
15	Expert consensus-based laboratory testing of SARS-CoV-2. <i>Journal of Thoracic Disease</i> , 2020, 12, 4378-4390.	1.4	5
16	GOLPH3 Promotes Cancer Growth by Interacting With STIP1 and Regulating Telomerase Activity in Pancreatic Ductal Adenocarcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 575358.	2.8	7
17	Cost-effective generation of A-to-G mutant mice by zygote electroporation of adenine base editor ribonucleoproteins. <i>Journal of Genetics and Genomics</i> , 2020, 47, 337-340.	3.9	3
18	A critical role of telomere chromatin compaction in ALT tumor cell growth. <i>Nucleic Acids Research</i> , 2020, 48, 6019-6031.	14.5	4

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19	Live cell imaging and proteomic profiling of endogenous NEAT1 lncRNA by CRISPR/Cas9-mediated knock-in. <i>Protein and Cell</i> , 2020, 11, 641-660.	11.0	40
20	Repurposing type I CRISPR-Cas system as a transcriptional activation tool in human cells. <i>Nature Communications</i> , 2020, 11, 3136.	12.8	45
21	Human RAP1 specifically protects telomeres of senescent cells from DNA damage. <i>EMBO Reports</i> , 2020, 21, e49076.	4.5	43
22	Single AAV-Mediated CRISPR-SaCas9 Inhibits HSV-1 Replication by Editing ICP4 in Trigeminal Ganglion Neurons. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 33-43.	4.1	14
23	MiR-185 targets POT1 to induce telomere dysfunction and cellular senescence. <i>Aging</i> , 2020, 12, 14791-14807.	3.1	14
24	Synergy between SIRT1 and SIRT6 helps recognize DNA breaks and potentiates the DNA damage response and repair in humans and mice. <i>ELife</i> , 2020, 9, .	6.0	49
25	Nuclear receptors regulate alternative lengthening of telomeres through a novel noncanonical FANCD2 pathway. <i>Science Advances</i> , 2019, 5, eaax6366.	10.3	20
26	Pan-cancer analysis identifies telomerase-associated signatures and cancer subtypes. <i>Molecular Cancer</i> , 2019, 18, 106.	19.2	60
27	The long non-coding RNA Shhg3 is essential for mouse embryonic stem cell self-renewal and pluripotency. <i>Stem Cell Research and Therapy</i> , 2019, 10, 157.	5.5	19
28	mTORC1-Rps15 Axis Contributes to the Mechanisms Underlying Global Translation Reduction During Senescence of Mouse Embryonic Fibroblasts. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 337.	3.7	6
29	Phosphorylation of PLIN3 by AMPK promotes dispersion of lipid droplets during starvation. <i>Protein and Cell</i> , 2019, 10, 382-387.	11.0	14
30	Genome-wide profiling of adenine base editor specificity by EndoV-seq. <i>Nature Communications</i> , 2019, 10, 67.	12.8	103
31	TOE1 acts as a 3' exonuclease for telomerase RNA and regulates telomere maintenance. <i>Nucleic Acids Research</i> , 2019, 47, 391-405.	14.5	38
32	Cationic Polymer-Mediated CRISPR/Cas9 Plasmid Delivery for Genome Editing. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800068.	3.9	72
33	Shwachman-Diamond Syndrome Protein SBDS Maintains Human Telomeres by Regulating Telomerase Recruitment. <i>Cell Reports</i> , 2018, 22, 1849-1860.	6.4	17
34	Oncogenic Kinase-Induced PKM2 Tyrosine 105 Phosphorylation Converts Nononcogenic PKM2 to a Tumor Promoter and Induces Cancer Stem-like Cells. <i>Cancer Research</i> , 2018, 78, 2248-2261.	0.9	66
35	Testis-specific <i>Lypd9</i> is dispensable for spermatogenesis in mouse. <i>Molecular Reproduction and Development</i> , 2018, 85, 87-89.	2.0	1
36	The BUB3-BUB1 Complex Promotes Telomere DNA Replication. <i>Molecular Cell</i> , 2018, 70, 395-407.e4.	9.7	54

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37	Analysis of hpf1 expression and function in early embryonic development of zebrafish. <i>Development Genes and Evolution</i> , 2018, 228, 141-147.	0.9	3
38	Effective and precise adenine base editing in mouse zygotes. <i>Protein and Cell</i> , 2018, 9, 808-813.	11.0	24
39	Homozygous OB-fold variants in telomere protein TPP1 are associated with dyskeratosis congenita-like phenotypes. <i>Blood</i> , 2018, 132, 1349-1353.	1.4	16
40	HuR regulates telomerase activity through TERC methylation. <i>Nature Communications</i> , 2018, 9, 2213.	12.8	29
41	Effective production of recipient male pigs for spermatogonial stem cell transplantation by intratesticular injection with busulfan. <i>Theriogenology</i> , 2017, 89, 365-373.e2.	2.1	9
42	Rho GTPase dissociation inhibitor 1 is a potential prognostic biomarker and controls telomere regulation in colorectal cancer. <i>Cancer Science</i> , 2017, 108, 1293-1302.	3.9	10
43	Looping-out mechanism for resolution of replicative stress at telomeres. <i>EMBO Reports</i> , 2017, 18, 1412-1428.	4.5	21
44	Using Protein-Fragment Complementation Assays (PCA) and Peptide Arrays to Study Telomeric Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2017, 1587, 147-160.	0.9	0
45	Analysis of Average Telomere Length in Human Telomeric Protein Knockout Cells Generated by CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2017, 1587, 15-28.	0.9	0
46	Introduction to Telomeres and Telomerase. <i>Methods in Molecular Biology</i> , 2017, 1587, 1-13.	0.9	1
47	Systematic analysis of human telomeric dysfunction using inducible telosome/shelterin CRISPR/Cas9 knockout cells. <i>Cell Discovery</i> , 2017, 3, 17034.	6.7	43
48	pgRNAFinder: a web-based tool to design distance independent paired-gRNA. <i>Bioinformatics</i> , 2017, 33, 3642-3644.	4.1	5
49	Correction of $\beta$ -thalassemia mutant by base editor in human embryos. <i>Protein and Cell</i> , 2017, 8, 811-822.	11.0	182
50	Single-walled carbon nanotube: One specific inhibitor of cancer stem cells in osteosarcoma upon downregulation of the TGF $\beta$ 1 signaling. <i>Biomaterials</i> , 2017, 149, 29-40.	11.4	28
51	Glycerol kinase-like proteins cooperate with Pld6 in regulating sperm mitochondrial sheath formation and male fertility. <i>Cell Discovery</i> , 2017, 3, 17030.	6.7	27
52	Effective gene editing by high-fidelity base editor 2 in mouse zygotes. <i>Protein and Cell</i> , 2017, 8, 601-611.	11.0	72
53	CCSI: a database providing chromatin chromatin spatial interaction information. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, bav124.	3.0	14
54	Efficient Production of Gene-Modified Mice using <i>Staphylococcus aureus</i> Cas9. <i>Scientific Reports</i> , 2016, 6, 32565.	3.3	27

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55	Ccndbp1 is a novel positive regulator of skeletal myogenesis. <i>Journal of Cell Science</i> , 2016, 129, 2767-77.	2.0	6
56	Questions about NgAgo. <i>Protein and Cell</i> , 2016, 7, 913-915.	11.0	24
57	Switch telomerase to ALT mechanism by inducing telomeric DNA damages and dysfunction of ATRX and DAXX. <i>Scientific Reports</i> , 2016, 6, 32280.	3.3	61
58	SmedOB1 is Required for Planarian Homeostasis and Regeneration. <i>Scientific Reports</i> , 2016, 6, 34013.	3.3	6
59	Cold-inducible RNA-binding protein CIRP/hnRNP A18 regulates telomerase activity in a temperature-dependent manner. <i>Nucleic Acids Research</i> , 2016, 44, 761-775.	14.5	44
60	Disease mutant analysis identifies a novel function of DAXX in telomerase regulation and telomere maintenance. <i>Journal of Cell Science</i> , 2015, 128, 331-41.	2.0	26
61	TeloPIN: a database of telomeric proteins interaction network in mammalian cells. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav018-bav018.	3.0	10
62	Human cells lacking coilin and Cajal bodies are proficient in telomerase assembly, trafficking and telomere maintenance. <i>Nucleic Acids Research</i> , 2015, 43, 385-395.	14.5	44
63	Poly-ADP ribosylation of PTEN by tankyrases promotes PTEN degradation and tumor growth. <i>Genes and Development</i> , 2015, 29, 157-170.	5.9	103
64	CRISPR/Cas9-mediated gene editing in human tripronuclear zygotes. <i>Protein and Cell</i> , 2015, 6, 363-372.	11.0	929
65	Actl6a Protects Embryonic Stem Cells From Differentiating Into Primitive Endoderm. <i>Stem Cells</i> , 2015, 33, 1782-1793.	3.2	35
66	Mirâ€š3a induces telomere dysfunction and cellular senescence by inhibiting <scp>TRF</scp>2 expression. <i>Aging Cell</i> , 2015, 14, 391-399.	6.7	49
67	The Daxx/Atrx Complex Protects Tandem Repetitive Elements during DNA Hypomethylation by Promoting H3K9 Trimethylation. <i>Cell Stem Cell</i> , 2015, 17, 273-286.	11.1	118
68	Role of the focal adhesion protein TRIM15 in colon cancer development. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 409-421.	4.1	46
69	CRISPR/Cas9 Promotes Functional Study of Testis Specific X-Linked Gene In Vivo. <i>PLoS ONE</i> , 2015, 10, e0143148.	2.5	10
70	Specific Tandem 3'UTR Patterns and Gene Expression Profiles in Mouse Thy1+ Germline Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0145417.	2.5	7
71	Human Urine-Derived Stem Cells Alone or Genetically-Modified with FGF2 Improve Type 2 Diabetic Erectile Dysfunction in a Rat Model. <i>PLoS ONE</i> , 2014, 9, e92825.	2.5	102
72	Structural Maintenance of Chromosomes Flexible Hinge Domain Containing 1 (SMCHD1) Promotes Non-homologous End Joining and Inhibits Homologous Recombination Repair upon DNA Damage. <i>Journal of Biological Chemistry</i> , 2014, 289, 34024-34032.	3.4	12

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73	Telomere regulation in pluripotent stem cells. <i>Protein and Cell</i> , 2014, 5, 194-202.	11.0	56
74	Fam118B, a novel component in Cajal bodies, is required for Cajal body formation, snRNP biogenesis and cell viability. <i>Journal of Cell Science</i> , 2014, 127, 2029-39.	2.0	18
75	TPP1 as a versatile player at the ends of chromosomes. <i>Frontiers in Biology</i> , 2014, 9, 225-233.	0.7	1
76	Gain-of-Function Mutant p53 Promotes Cell Growth and Cancer Cell Metabolism via Inhibition of AMPK Activation. <i>Molecular Cell</i> , 2014, 54, 960-974.	9.7	196
77	Ten-Eleven Translocation 1 (Tet1) Is Regulated by O-Linked N-Acetylglucosamine Transferase (Ogt) for Target Gene Repression in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 20776-20784.	3.4	125
78	Telomeresâ€™ structure, function, and regulation. <i>Experimental Cell Research</i> , 2013, 319, 133-141.	2.6	179
79	Whole-genome screening identifies proteins localized to distinct nuclear bodies. <i>Journal of Cell Biology</i> , 2013, 203, 149-164.	5.2	100
80	The telomere-associated homeobox-containing protein TAH1 participates in telomere maintenance in ALT Cells. <i>Journal of Cell Science</i> , 2013, 126, 3982-9.	2.0	29
81	Akt regulates <sc>TPP</sc>1 homodimerization and telomere protection. <i>Aging Cell</i> , 2013, 12, 1091-1099.	6.7	27
82	Phosphorylation of TPP1 regulates cell cycle-dependent telomerase recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5457-5462.	7.1	61
83	Mitochondrial Localization of Telomeric Protein TIN2 Links Telomere Regulation to Metabolic Control. <i>Molecular Cell</i> , 2012, 47, 839-850.	9.7	84
84	TERRA and hnRNPA1 orchestrate an RPA-to-POT1 switch on telomeric single-stranded DNA. <i>Nature</i> , 2011, 471, 532-536.	27.8	300
85	Genome-wide YFP Fluorescence Complementation Screen Identifies New Regulators for Telomere Signaling in Human Cells. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S11.	3.8	96
86	TIN2 Protein Dyskeratosis Congenita Missense Mutants Are Defective in Association with Telomerase. <i>Journal of Biological Chemistry</i> , 2011, 286, 23022-23030.	3.4	57
87	Introduction to Telomeres and Telomerase. <i>Methods in Molecular Biology</i> , 2011, 735, 1-11.	0.9	5
88	Studying of Telomeric Proteinâ€™ Protein Interactions by Bi-Molecular Fluorescence Complementation (BiFC) and Peptide Array-Based Assays. <i>Methods in Molecular Biology</i> , 2011, 735, 161-171.	0.9	5
89	Zebrafish as a Model System to Study the Physiological Function of Telomeric Protein TPP1. <i>PLoS ONE</i> , 2011, 6, e16440.	2.5	5
90	Identification of Flightless-I as a Substrate of the Cytokine-independent Survival Kinase CISK. <i>Journal of Biological Chemistry</i> , 2009, 284, 14377-14385.	3.4	21

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91	OB Fold-containing Protein 1 (OBFC1), a Human Homolog of Yeast Stn1, Associates with TPP1 and Is Implicated in Telomere Length Regulation. <i>Journal of Biological Chemistry</i> , 2009, 284, 26725-26731.	3.4	123
92	TRF2 functions as a protein hub and regulates telomere maintenance by recognizing specific peptide motifs. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 372-379.	8.2	118
93	Nanog and Oct4 associate with unique transcriptional repression complexes in embryonic stem cells. <i>Nature Cell Biology</i> , 2008, 10, 731-739.	10.3	406
94	The telosome/shelterin complex and its functions. <i>Genome Biology</i> , 2008, 9, 232.	9.6	170
95	BRCT Domains: phosphopeptide binding and signaling modules. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5905.	3.0	39
96	Telomere Maintenance through Spatial Control of Telomeric Proteins. <i>Molecular and Cellular Biology</i> , 2007, 27, 5898-5909.	2.3	96
97	TPP1 is a homologue of ciliate TEBP-1 <sup>2</sup> and interacts with POT1 to recruit telomerase. <i>Nature</i> , 2007, 445, 559-562.	27.8	436
98	A critical role for TPP1 and TIN2 interaction in high-order telomeric complex assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11874-11879.	7.1	216
99	Inside the Mammalian Telomere Interactome: Regulation and Regulatory Activities of Telomeres. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2006, 16, 103-118.	0.9	43
100	The Human Rap1 Protein Complex and Modulation of Telomere Length. <i>Journal of Biological Chemistry</i> , 2004, 279, 28585-28591.	3.4	154
101	An Oriented Peptide Array Library (OPAL) Strategy to Study Protein-Protein Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 8802-8807.	3.4	84
102	Telosome, a Mammalian Telomere-associated Complex Formed by Multiple Telomeric Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 51338-51342.	3.4	336
103	PTOP interacts with POT1 and regulates its localization to telomeres. <i>Nature Cell Biology</i> , 2004, 6, 673-680.	10.3	389
104	ZIP codes for delivering SH2 domains. <i>Cell</i> , 2004, 116, S41-S43.	28.9	19
105	Genetic Mapping of Cell Survival Pathways using Enhanced Retroviral Mutagens. <i>Scientific World Journal</i> , The, 2001, 1, 95-95.	2.1	0
106	Regulation of cytokine-independent survival kinase (CISK) by the Phox homology domain and phosphoinositides. <i>Journal of Cell Biology</i> , 2001, 154, 699-706.	5.2	111
107	Genetic screens in mammalian cells by enhanced retroviral mutagens. <i>Oncogene</i> , 2000, 19, 5964-5972.	5.9	47