

# Xu Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

4,327  
citations

201385

27  
h-index

114278

63  
g-index

80  
all docs

80  
docs citations

80  
times ranked

6772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluripotent Stem Cells Induced from Mouse Somatic Cells by Small-Molecule Compounds. <i>Science</i> , 2013, 341, 651-654.	6.0	1,179
2	The ORF8 protein of SARS-CoV-2 mediates immune evasion through down-regulating MHC- $\hat{\text{T}}^{\text{M}}$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	317
3	Generation of iPSCs from mouse fibroblasts with a single gene, Oct4, and small molecules. <i>Cell Research</i> , 2011, 21, 196-204.	5.7	293
4	Nanoparticle Vaccines Based on the Receptor Binding Domain (RBD) and Heptad Repeat (HR) of SARS-CoV-2 Elicit Robust Protective Immune Responses. <i>Immunity</i> , 2020, 53, 1315-1330.e9.	6.6	215
5	Advances in Hydrogels in Organoids and Organsâ€œonâ€œChip. <i>Advanced Materials</i> , 2019, 31, e1902042.	11.1	212
6	A XEN-like State Bridges Somatic Cells to Pluripotency during Chemical Reprogramming. <i>Cell</i> , 2015, 163, 1678-1691.	13.5	210
7	The $\text{N}^6$ -methyladenosine ( $\text{m}^6\text{A}$ )-forming enzyme METTL3 facilitates M1 macrophage polarization through the methylation of STAT1 mRNA. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C762-C775.	2.1	155
8	Chemical reprogramming of human somatic cells to pluripotent stem cells. <i>Nature</i> , 2022, 605, 325-331.	13.7	144
9	Activatable near infrared dye conjugated hyaluronic acid based nanoparticles as a targeted theranostic agent for enhanced fluorescence/CT/photoacoustic imaging guided photothermal therapy. <i>Biomaterials</i> , 2017, 132, 72-84.	5.7	105
10	Ubiquitin Ligases RGLG1 and RGLG5 Regulate Abscisic Acid Signaling by Controlling the Turnover of Phosphatase PP2CA. <i>Plant Cell</i> , 2016, 28, 2178-2196.	3.1	100
11	The Histone Chaperone FACT Contributes to DNA Replication-Coupled Nucleosome Assembly. <i>Cell Reports</i> , 2016, 14, 1128-1141.	2.9	90
12	Chimeric Antigen Receptor T Cells Guided by the Single-Chain Fv of a Broadly Neutralizing Antibody Specifically and Effectively Eradicate Virus Reactivated from Latency in CD4 <sup>+</sup> T Lymphocytes Isolated from HIV-1-Infected Individuals Receiving Suppressive Combined Antiretroviral Therapy. <i>Journal of Virology</i> , 2016, 90, 9712-9724.	1.5	83
13	IL-4 Inhibits the Biogenesis of an Epigenetically Suppressive PIWI-Interacting RNA To Upregulate CD1a Molecules on Monocytes/Dendritic Cells. <i>Journal of Immunology</i> , 2016, 196, 1591-1603.	0.4	80
14	Direct Reprogramming of Fibroblasts via a Chemically Induced XEN-like State. <i>Cell Stem Cell</i> , 2017, 21, 264-273.e7.	5.2	74
15	TRIM28 promotes HIV-1 latency by SUMOylating CDK9 and inhibiting P-TEFb. <i>ELife</i> , 2019, 8, .	2.8	71
16	Pluripotent stem cells induced from mouse neural stem cells and small intestinal epithelial cells by small molecule compounds. <i>Cell Research</i> , 2016, 26, 34-45.	5.7	62
17	ABA inhibits myristoylation and induces shuttling of the RGLG1 E3 ligase to promote nuclear degradation of PP2CA. <i>Plant Journal</i> , 2019, 98, 813-825.	2.8	59
18	The MATH-BTB BPM3 and BPM5 subunits of Cullin3-RING E3 ubiquitin ligases target PP2CA and other clade A PP2Cs for degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15725-15734.	3.3	56

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19	Focused Ultrasound-Mediated Blood-Brain Barrier Opening Increases Delivery and Efficacy of Etoposide for Glioblastoma Treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 539-550.	0.4	44
20	Effect of ceritinib (LDK378) on enhancement of chemotherapeutic agents in ABCB1 and ABCG2 overexpressing cells <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2015, 6, 44643-44659.	0.8	39
21	One-Step Generation of Aqueous-Droplet-Filled Hydrogel Fibers as Organoid Carriers Using an All-in-Water Microfluidic System. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3199-3208.	4.0	39
22	Modeling early stage atherosclerosis in a primary human vascular microphysiological system. <i>Nature Communications</i> , 2020, 11, 5426.	5.8	38
23	Broadly neutralizing antibody-derived CAR T cells reduce viral reservoir in individuals infected with HIV-1. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	38
24	Two Novel RING-Type Ubiquitin Ligases, RGLG3 and RGLG4, Are Essential for Jasmonate-Mediated Responses in Arabidopsis. <i>Plant Physiology</i> , 2012, 160, 808-822.	2.3	37
25	Chromatin Assembly Factor 1 (CAF-1) facilitates the establishment of facultative heterochromatin during pluripotency exit. <i>Nucleic Acids Research</i> , 2019, 47, 11114-11131.	6.5	35
26	Two waves of pro-inflammatory factors are released during the influenza A virus (IAV)-driven pulmonary immunopathogenesis. <i>PLoS Pathogens</i> , 2020, 16, e1008334.	2.1	35
27	A Cellular MicroRNA Facilitates Regulatory T Lymphocyte Development by Targeting the FOXP3 Promoter TATA-Box Motif. <i>Journal of Immunology</i> , 2018, 200, 1053-1063.	0.4	34
28	Host-Guest Polypyrrole Nanocomplex for Three-Stimuli-Responsive Drug Delivery and Imaging-Guided Chemo-Photothermal Synergetic Therapy of Refractory Thyroid Cancer. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900661.	3.9	34
29	<i>In situ</i> conversion of rose bengal microbubbles into nanoparticles for ultrasound imaging guided sonodynamic therapy with enhanced antitumor efficacy. <i>Biomaterials Science</i> , 2020, 8, 2526-2536.	2.6	33
30	Hijacking of the jasmonate pathway by the mycotoxin fumonisin B1 (FB1) to initiate programmed cell death in Arabidopsis is modulated by RGLG3 and RGLG4. <i>Journal of Experimental Botany</i> , 2015, 66, 2709-2721.	2.4	27
31	Histone chaperone CAF-1 promotes HIV-1 latency by leading the formation of phase-separated suppressive nuclear bodies. <i>EMBO Journal</i> , 2021, 40, e106632.	3.5	27
32	Non-coding RNAs and retroviruses. <i>Retrovirology</i> , 2018, 15, 20.	0.9	22
33	Engineering a Reliable and Convenient SARS-CoV-2 Replicon System for Analysis of Viral RNA Synthesis and Screening of Antiviral Inhibitors. <i>MBio</i> , 2021, 12, .	1.8	22
34	Interleukin 7 Up-regulates CD95 Protein on CD4+ T Cells by Affecting mRNA Alternative Splicing. <i>Journal of Biological Chemistry</i> , 2015, 290, 35-45.	1.6	21
35	Anti-cancer drug 3,3'-diindolylmethane activates Wnt4 signaling to enhance gastric cancer cell stemness and tumorigenesis. <i>Oncotarget</i> , 2016, 7, 16311-16324.	0.8	21
36	CUL7 E3 Ubiquitin Ligase Mediates the Degradation of Activation-Induced Cytidine Deaminase and Regulates the Ig Class Switch Recombination in B Lymphocytes. <i>Journal of Immunology</i> , 2019, 203, 269-281.	0.4	19

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37	A bivalent nanoparticle vaccine exhibits potent cross-protection against the variants of SARS-CoV-2. <i>Cell Reports</i> , 2022, 38, 110256.	2.9	19
38	Characteristic amino acid changes of influenza A(H1N1)pdm09 virus PA protein enhance A(H7N9) viral polymerase activity. <i>Virus Genes</i> , 2016, 52, 346-353.	0.7	18
39	A system to monitor statin-induced myopathy in individual engineered skeletal muscle myobundles. <i>Lab on A Chip</i> , 2018, 18, 2787-2796.	3.1	17
40	Highly stable near-infrared dye conjugated cerasomes for fluorescence imaging-guided synergistic chemo-photothermal therapy of colorectal cancer. <i>Biomaterials Science</i> , 2019, 7, 2873-2888.	2.6	15
41	Recovered COVID-19 patients with recurrent viral RNA exhibit lower levels of anti-RBD antibodies. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1098-1100.	4.8	15
42	Briarane-type diterpenoids suppress osteoclastogenesis by regulation of Nrf2 and MAPK/NF- $\kappa$ B signaling pathway. <i>Bioorganic Chemistry</i> , 2021, 112, 104976.	2.0	15
43	Oncohistone Mutations in Diffuse Intrinsic Pontine Glioma. <i>Trends in Cancer</i> , 2019, 5, 799-808.	3.8	13
44	Flexible Generation of Multi- $\mu$ m Aqueous Core Hydrogel Capsules Using Microfluidic Aqueous Two-Phase System. <i>Advanced Materials Technologies</i> , 2020, 5, 2000045.	3.0	13
45	Complementary Roles of Squamous Cell Carcinoma Antigen and $^{18}$ F-FDG PET/CT in Suspected Recurrence of Cervical Squamous Cell Cancer. <i>Journal of Cancer</i> , 2015, 6, 287-291.	1.2	12
46	Development of Receptor Binding Domain (RBD)-Conjugated Nanoparticle Vaccines with Broad Neutralization against SARS-CoV-2 Delta and Other Variants. <i>Advanced Science</i> , 2022, 9, e2105378.	5.6	12
47	Prognostic significance of the pN classification supplemented by body mass index for esophageal squamous cell carcinoma. <i>Thoracic Cancer</i> , 2015, 6, 765-771.	0.8	10
48	Finasteride Enhances the Generation of Human Myeloid-Derived Suppressor Cells by Up-Regulating the COX2/PGE2 Pathway. <i>PLoS ONE</i> , 2016, 11, e0156549.	1.1	10
49	Improvement of a SARS-CoV-2 vaccine by enhancing the conjugation efficiency of the immunogen to self-assembled nanoparticles. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2042-2044.	4.8	9
50	USP10 regulates B cell response to SARS-CoV-2 or HIV-1 nanoparticle vaccines through deubiquitinating AID. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 7.	7.1	9
51	PIWIL4 Maintains HIV-1 Latency by Enforcing Epigenetically Suppressive Modifications on the 5' Long Terminal Repeat. <i>Journal of Virology</i> , 2020, 94, .	1.5	8
52	Glycopeptide Antibiotic Teicoplanin Inhibits Cell Entry of SARS-CoV-2 by Suppressing the Proteolytic Activity of Cathepsin L. <i>Frontiers in Microbiology</i> , 2022, 13, 884034.	1.5	8
53	Optical Cell Tagging for Spatially Resolved Single-Cell RNA Sequencing. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202113929.	7.2	7
54	IL-21 Expands HIV-1-Specific CD8+ T Memory Stem Cells to Suppress HIV-1 Replication In Vitro. <i>Journal of Immunology Research</i> , 2019, 2019, 1-13.	0.9	6

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55	X4-Tropic Latent HIV-1 Is Enriched in Peripheral Follicular Helper T Cells and Is Correlated with Disease Progression. <i>Journal of Virology</i> , 2020, 94, .	1.5	6
56	Effect of HM910, a novel camptothecin derivative, on the inhibition of multiple myeloma cell growth in vitro and in vivo. <i>American Journal of Cancer Research</i> , 2015, 5, 1000-16.	1.4	5
57	CRL2KLHDC3 mediates p14ARF N-terminal ubiquitylation degradation to promote non-small cell lung carcinoma progression. <i>Oncogene</i> , 2022, 41, 3104-3117.	2.6	5
58	Preferential Homing of Tumor-specific and Functional CD8+ Stem Cell-like Memory T Cells to the Bone Marrow. <i>Journal of Immunotherapy</i> , 2019, 42, 197-207.	1.2	4
59	Combinational therapy of crizotinib and afatinib for malignant pleural mesothelioma. <i>American Journal of Cancer Research</i> , 2017, 7, 203-217.	1.4	4
60	Brd4 Regulates the Homeostasis of CD8+ T-Lymphocytes and Their Proliferation in Response to Antigen Stimulation. <i>Frontiers in Immunology</i> , 2021, 12, 728082.	2.2	3
61	In Situ Fabrication and Perfusion of Tissue-Engineered Blood Vessel Microphysiological System. <i>Methods in Molecular Biology</i> , 2022, 2375, 77-90.	0.4	3
62	Vascular microphysiological systems to model diseases. <i>Cell &amp; Gene Therapy Insights</i> , 2020, 6, 93-102.	0.1	3
63	RGLG3 and RGLG4, novel ubiquitin ligases modulating jasmonate signaling. <i>Plant Signaling and Behavior</i> , 2012, 7, 1709-1711.	1.2	2
64	CHAF1B Overexpression: A Brake for the Differentiation of Leukemia Cells. <i>Cancer Cell</i> , 2018, 34, 693-694.	7.7	2
65	Value of baseline and end of chemotherapy 18F-FDG PET/CT in pediatric patients with Burkitt lymphoma. <i>Leukemia and Lymphoma</i> , 2021, 62, 1-9.	0.6	2
66	EPCT-23 PRE-CLINICAL STUDY OF FOCUSED ULTRASOUND-MEDIATED BLOOD-BRAIN BARRIER OPENING AND PANOBINOSTAT FOR DIFFUSE INTRINSIC PONTINE GLIOMA TREATMENT. <i>Neuro-Oncology</i> , 2021, 23, i52-i52.	0.6	1
67	91â€¦Impact of ultra-fast â€œFLASHâ€™ radiotherapy on single cell immunogenomics in diffuse intrinsic pontine glioma (DIPG)., 2021, 9, A100-A100.		1
68	Optical Cell Tagging for Spatially Resolved Singleâ€œCell RNA Sequencing. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
69	Title is missing!. , 2020, 16, e1008334.		0
70	Title is missing!. , 2020, 16, e1008334.		0
71	Title is missing!. , 2020, 16, e1008334.		0
72	Title is missing!. , 2020, 16, e1008334.		0

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73	Title is missing!. , 2020, 16, e1008334.		0
74	Title is missing!. , 2020, 16, e1008334.		0
75	Title is missing!., 2020, 16, e1008334.		0
76	Title is missing!. , 2020, 16, e1008334.		0
77	DIPG-45. Radiation induces a robust interferon response in Diffuse Midline Glioma (DMG), improving the potential for combination immunotherapy. Neuro-Oncology, 2022, 24, i28-i29.	0.6	0
78	DIPG-57. A systems biology approach to defining and targeting master regulator dependencies from bulk and single-Cell RNA-seq in diffuse midline glioma (DMG). Neuro-Oncology, 2022, 24, i31-i32.	0.6	0
79	MODL-24. Focused ultrasound-mediated blood-brain barrier opening and panobinostat in a thalamic syngeneic murine DMG model is feasible and safe.. Neuro-Oncology, 2022, 24, i174-i174.	0.6	0
80	MODL-25. Radiation and focused ultrasoundâ€‘mediated bloodâ€‘brain barrier opening for DMG: safety and feasibility of combinatorial therapy. Neuro-Oncology, 2022, 24, i174-i174.	0.6	0