Long Zhang

List of Publications by Year in descending order

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50276 19190 15,168 128 46 118 citations h-index g-index papers 140 140 140 29286 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016 , 12 , $1-222$.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	A systematic review of SARS-CoV-2 vaccine candidates. Signal Transduction and Targeted Therapy, 2020, 5, 237.	17.1	427
4	SARS-CoV-2 Omicron variant: recent progress and future perspectives. Signal Transduction and Targeted Therapy, 2022, 7, 141.	17.1	315
5	USP4 is regulated by AKT phosphorylation and directly deubiquitylates TGF-β type I receptor. Nature Cell Biology, 2012, 14, 717-726.	10.3	267
6	Liquid–liquid phase separation in human health and diseases. Signal Transduction and Targeted Therapy, 2021, 6, 290.	17.1	231
7	Signaling interplay between transforming growth factor-Î ² receptor and PI3K/AKT pathways in cancer. Trends in Biochemical Sciences, 2013, 38, 612-620.	7.5	207
8	Follistatin-like 1 (Fstl1) is a bone morphogenetic protein (BMP) 4 signaling antagonist in controlling mouse lung development. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7058-7063.	7.1	197
9	TRAF4 Promotes TGF-β Receptor Signaling and Drives Breast Cancer Metastasis. Molecular Cell, 2013, 51, 559-572.	9.7	194
10	Stress-Induced Metabolic Disorder in Peripheral CD4+ T Cells Leads to Anxiety-like Behavior. Cell, 2019, 179, 864-879.e19.	28.9	180
11	Extracellular Vesicles in Cancer Immune Microenvironment and Cancer Immunotherapy. Advanced Science, 2019, 6, 1901779.	11.2	179
12	Ferroptosis in cancer and cancer immunotherapy. Cancer Communications, 2022, 42, 88-116.	9.2	179
13	TGF-& beta; signaling in cancer metastasis. Acta Biochimica Et Biophysica Sinica, 2018, 50, 121-132.	2.0	178
14	The function and clinical application of extracellular vesicles in innate immune regulation. Cellular and Molecular Immunology, 2020, 17, 323-334.	10.5	171
15	Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF- \hat{l}^2 signalling. Nature Communications, 2014, 5, 3388.	12.8	156
16	Targeting liquid–liquid phase separation of SARS-CoV-2 nucleocapsid protein promotes innate antiviral immunity by elevating MAVS activity. Nature Cell Biology, 2021, 23, 718-732.	10.3	156
17	YAP antagonizes innate antiviral immunity and is targeted for lysosomal degradation through IKKÉ-mediated phosphorylation. Nature Immunology, 2017, 18, 733-743.	14.5	155
18	Cuproptosis: a new form of programmed cell death. , 2022, 19, 867-868.		148

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19	Tumor-derived exosomes antagonize innate antiviral immunity. Nature Immunology, 2018, 19, 233-245.	14.5	146
20	Dapper 1 Antagonizes Wnt Signaling by Promoting Dishevelled Degradation. Journal of Biological Chemistry, 2006, 281, 8607-8612.	3.4	132
21	Zebrafish Dpr2 Inhibits Mesoderm Induction by Promoting Degradation of Nodal Receptors. Science, 2004, 306, 114-117.	12.6	124
22	Methods and Technologies for Exosome Isolation and Characterization. Small Methods, 2018, 2, 1800021.	8.6	115
23	OTUB2 Promotes Cancer Metastasis via Hippo-Independent Activation of YAP and TAZ. Molecular Cell, 2019, 73, 7-21.e7.	9.7	112
24	The interactions between cGAS-STING pathway and pathogens. Signal Transduction and Targeted Therapy, 2020, 5, 91.	17.1	106
25	Transforming growth factor- \hat{l}^2 signalling controls human breast cancer metastasis in a zebrafish xenograft model. Breast Cancer Research, 2013, 15, R106.	5.0	100
26	SOX2 regulates multiple malignant processes of breast cancer development through the SOX2/miR-181a-5p, miR-30e-5p/TUSC3 axis. Molecular Cancer, 2017, 16, 62.	19.2	98
27	c-Myb Enhances Breast Cancer Invasion and Metastasis through the Wnt/β-Catenin/Axin2 Pathway. Cancer Research, 2016, 76, 3364-3375.	0.9	97
28	Mitochondrial dynamics controls anti-tumour innate immunity by regulating CHIP-IRF1 axis stability. Nature Communications, 2017, 8, 1805.	12.8	97
29	Synthesis of three-dimensional graphene oxide foam for the removal of heavy metal ions. Chemical Physics Letters, 2014, 593, 122-127.	2.6	94
30	Deubiquitinase Activity Profiling Identifies UCHL1 as a Candidate Oncoprotein That Promotes TGFÎ ² -Induced Breast Cancer Metastasis. Clinical Cancer Research, 2020, 26, 1460-1473.	7.0	92
31	Breast cancer metastasis suppressor OTUD1 deubiquitinates SMAD7. Nature Communications, 2017, 8, 2116.	12.8	90
32	RNF12 Controls Embryonic Stem Cell Fate and Morphogenesis in Zebrafish Embryos by Targeting Smad7 for Degradation. Molecular Cell, 2012, 46, 650-661.	9.7	83
33	Alterations in microbiota of patients with COVID-19: potential mechanisms and therapeutic interventions. Signal Transduction and Targeted Therapy, 2022, 7, 143.	17.1	83
34	Ubiquitin-specific Protease 4 Mitigates Toll-like/Interleukin-1 Receptor Signaling and Regulates Innate Immune Activation. Journal of Biological Chemistry, 2012, 287, 11002-11010.	3.4	75
35	The regulation of TGF-Î ² /SMAD signaling by protein deubiquitination. Protein and Cell, 2014, 5, 503-517.	11.0	73
36	Fine-tuning BMP7 signalling in adipogenesis by UBE2O/E2-230K-mediated monoubiquitination of SMAD6. EMBO Journal, 2013, 32, 996-1007.	7.8	72

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37	UBE2O negatively regulates TRAF6-mediated NF-κB activation by inhibiting TRAF6 polyubiquitination. Cell Research, 2013, 23, 366-377.	12.0	69
38	Endofin, a FYVE Domain Protein, Interacts with Smad4 and Facilitates Transforming Growth Factor-Î ² Signaling. Journal of Biological Chemistry, 2007, 282, 9688-9695.	3.4	65
39	Regulation of TGF-Î ² Superfamily Signaling by SMAD Mono-Ubiquitination. Cells, 2014, 3, 981-993.	4.1	62
40	Molecular insights into tumour metastasis: tracing the dominant events. Journal of Pathology, 2017, 241, 567-577.	4.5	62
41	Engineering Extracellular Vesicles Enriched with Palmitoylated ACE2 as COVIDâ€19 Therapy. Advanced Materials, 2021, 33, e2103471.	21.0	60
42	Acetylation-Dependent Deubiquitinase OTUD3 Controls MAVS Activation in Innate Antiviral Immunity. Molecular Cell, 2020, 79, 304-319.e7.	9.7	57
43	The evolutionally conserved activity of Dapper2 in antagonizing TGFâ€ÃŸ signaling. FASEB Journal, 2007, 21, 682-690.	0.5	55
44	APP and APLP1 are degraded through autophagy in response to proteasome inhibition in neuronal cells. Protein and Cell, 2011, 2, 377-383.	11.0	53
45	Protein N-myristoylation: functions and mechanisms in control of innate immunity. Cellular and Molecular Immunology, 2021, 18, 878-888.	10.5	53
46	Dapper1 Is a Nucleocytoplasmic Shuttling Protein That Negatively Modulates Wnt Signaling in the Nucleus. Journal of Biological Chemistry, 2008, 283, 35679-35688.	3.4	51
47	The Gut Microbiota in Women Suffering from Gestational Diabetes Mellitus with the Failure of Glycemic Control by Lifestyle Modification. Journal of Diabetes Research, 2019, 2019, 1-12.	2.3	49
48	$GSK3\hat{I}^2$ inactivation induces apoptosis of leukemia cells by repressing the function of c-Myb. Molecular Biology of the Cell, 2011, 22, 3533-3540.	2.1	47
49	LRP8 mediates Wnt/ \hat{l}^2 -catenin signaling and controls osteoblast differentiation. Journal of Bone and Mineral Research, 2012, 27, 2065-2074.	2.8	47
50	Fas-associated factor 1 antagonizes Wnt signaling by promoting \hat{l}^2 -catenin degradation. Molecular Biology of the Cell, 2011, 22, 1617-1624.	2.1	46
51	TSC-22 Promotes Transforming Growth Factor \hat{I}^2 -Mediated Cardiac Myofibroblast Differentiation by Antagonizing Smad7 Activity. Molecular and Cellular Biology, 2011, 31, 3700-3709.	2.3	46
52	<scp>USP</scp> 4 inhibits <scp>SMAD</scp> 4 monoubiquitination and promotes activin and <scp>BMP</scp> signaling. EMBO Journal, 2017, 36, 1623-1639.	7.8	44
53	Non-coding RNA in thyroid cancer - Functions and mechanisms. Cancer Letters, 2021, 496, 117-126.	7.2	44
54	Genetic depletion and pharmacological targeting of $\hat{l}\pm\nu$ integrin in breast cancer cells impairs metastasis in zebrafish and mouse xenograft models. Breast Cancer Research, 2015, 17, 28.	5.0	42

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55	The intersection of COVID-19 and cancer: signaling pathways and treatment implications. Molecular Cancer, 2021, 20, 76.	19.2	42
56	The way of SARS-CoV-2 vaccine development: success and challenges. Signal Transduction and Targeted Therapy, 2021, 6, 387.	17.1	42
57	Post-translational modifications in liquid-liquid phase separation: a comprehensive review. Molecular Biomedicine, 2022, 3, 13.	4.4	42
58	The APP intracellular domain (AICD) inhibits Wnt signalling and promotes neurite outgrowth. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1233-1241.	4.1	41
59	Endogenous nitric oxide mediates alleviation of cadmium toxicity induced by calcium in rice seedlings. Journal of Environmental Sciences, 2012, 24, 940-948.	6.1	40
60	FAF1 phosphorylation by AKT accumulates TGF- \hat{l}^2 type II receptor and drives breast cancer metastasis. Nature Communications, 2017, 8, 15021.	12.8	40
61	The Breast Cancer Stem Cells Traits and Drug Resistance. Frontiers in Pharmacology, 2020, 11, 599965.	3.5	40
62	FAF1 Regulates Antiviral Immunity by Inhibiting MAVS but Is Antagonized by Phosphorylation upon Viral Infection. Cell Host and Microbe, 2018, 24, 776-790.e5.	11.0	38
63	Targeted Antiâ€Tumor Immunotherapy Using Tumor Infiltrating Cells. Advanced Science, 2021, 8, e2101672.	11.2	36
64	The Association of GSK3 \hat{l}^2 with E2F1 Facilitates Nerve Growth Factor-induced Neural Cell Differentiation. Journal of Biological Chemistry, 2008, 283, 14506-14515.	3.4	35
65	The outstanding antitumor capacity of CD4+ T helper lymphocytes. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188439.	7.4	35
66	Transcript heterogeneity of the human reduced folate carrier results from the use of multiple promoters and variable splicing of alternative upstream exons. Biochemical Journal, 1998, 332, 773-780.	3.7	34
67	LEF-1 activates the transcription of E2F1. Biochemical and Biophysical Research Communications, 2008, 365, 149-153.	2.1	34
68	Yes-associated protein (YAP) and transcriptional coactivator with PDZ-binding motif (TAZ) mediate cell density–dependent proinflammatory responses. Journal of Biological Chemistry, 2018, 293, 18071-18085.	3.4	34
69	Involvement of inflammation and its related microRNAs in hepatocellular carcinoma. Oncotarget, 2017, 8, 22145-22165.	1.8	34
70	SUMO-triggered ubiquitination of NR4A1 controls macrophage cell death. Cell Death and Differentiation, 2017, 24, 1530-1539.	11.2	33
71	The Functional Deubiquitinating Enzymes in Control of Innate Antiviral Immunity. Advanced Science, 2021, 8, 2002484.	11.2	33
72	Fas-associated Factor 1 Is a Scaffold Protein That Promotes \hat{l}^2 -Transducin Repeat-containing Protein (\hat{l}^2 -TrCP)-mediated \hat{l}^2 -Catenin Ubiquitination and Degradation. Journal of Biological Chemistry, 2012, 287, 30701-30710.	3.4	32

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73	Functional analysis of mutations in the kinase domain of the TGF- \hat{l}^2 receptor ALK1 reveals different mechanisms for induction of hereditary hemorrhagic telangiectasia. Blood, 2006, 107, 1951-1954.	1.4	30
74	Chemoresistance and Metastasis in Breast Cancer Molecular Mechanisms and Novel Clinical Strategies. Frontiers in Oncology, 2021, 11, 658552.	2.8	30
75	Cancer-associated adipocyte-derived G-CSF promotes breast cancer malignancy via Stat3 signaling. Journal of Molecular Cell Biology, 2020, 12, 723-737.	3.3	28
76	Exosomes in head and neck cancer: Roles, mechanisms and applications. Cancer Letters, 2020, 494, 7-16.	7.2	27
77	Ubiquitin-Specific Protease 4 Antagonizes Osteoblast Differentiation Through Dishevelled. Journal of Bone and Mineral Research, 2016, 31, 1888-1898.	2.8	26
78	Microbiota in Tumors: From Understanding to Application. Advanced Science, 2022, 9, .	11.2	26
79	Suppression of GSK3 \hat{l}^2 by ERK mediates lipopolysaccharide induced cell migration in macrophage through \hat{l}^2 -catenin signaling. Protein and Cell, 2012, 3, 762-768.	11.0	25
80	Loss of Par3 promotes prostatic tumorigenesis by enhancing cell growth and changing cell division modes. Oncogene, 2019, 38, 2192-2205.	5.9	25
81	Relaxed 3D genome conformation facilitates the pluripotent to totipotent-like state transition in embryonic stem cells. Nucleic Acids Research, 2021, 49, 12167-12177.	14.5	22
82	SUMOylation in Viral Replication and Antiviral Defense. Advanced Science, 2022, 9, e2104126.	11.2	21
83	Bub1 and CENP-U redundantly recruit Plk1 to stabilize kinetochore-microtubule attachments and ensure accurate chromosome segregation. Cell Reports, 2021, 36, 109740.	6.4	20
84	<scp>USP8</scp> promotes cancer progression and extracellular vesicleâ€mediated <scp>CD8</scp> + T cell exhaustion by deubiquitinating the <scp>TGF</scp> â€Î² receptor <scp>TβRII</scp> . EMBO Journal, 2022, 41, .	7.8	20
85	USP4 deficiency exacerbates hepatic ischaemia/reperfusion injury via TAK1 signalling. Clinical Science, 2019, 133, 335-349.	4.3	17
86	Wnt/ \hat{l}^2 -catenin signaling changes C2C12 myoblast proliferation and differentiation by inducing Id3 expression. Biochemical and Biophysical Research Communications, 2012, 419, 83-88.	2.1	16
87	Wnt $\hat{\mathbb{I}}^2$ -catenin signal pathway stabilizes APP intracellular domain (AICD) and promotes its transcriptional activity. Biochemical and Biophysical Research Communications, 2011, 412, 68-73.	2.1	15
88	Ubiquitin-specific protease-44 inhibits the proliferation and migration of cells via inhibition of JNK pathway in clear cell renal cell carcinoma. BMC Cancer, 2020, 20, 214.	2.6	15
89	STING, a critical contributor to SARS-CoV-2 immunopathology. Signal Transduction and Targeted Therapy, 2022, 7, 106.	17.1	15
90	Coronavirus in Continuous Flux: From SARSâ€CoV to SARSâ€CoVâ€2. Advanced Science, 2020, 7, 2001474.	11.2	14

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91	Identification of a Four-Gene Signature Associated with the Prognosis Prediction of Lung Adenocarcinoma Based on Integrated Bioinformatics Analysis. Genes, 2022, 13, 238.	2.4	14
92	Determination of the geographical origin of Chinese teas based on stable carbon and nitrogen isotope ratios. Journal of Zhejiang University: Science B, 2012, 13, 824-830.	2.8	13
93	DUSP12 protects against hepatic ischemia–reperfusion injury dependent on ASK1-JNK/p38 pathway <i>in vitro</i> and <i>in vivo</i> Clinical Science, 2020, 134, 2279-2294.	4.3	13
94	TRAF4 mediates activation of TGF- \hat{l}^2 signaling and is a biomarker for oncogenesis in breast cancer. Science China Life Sciences, 2014, 57, 1172-1176.	4.9	12
95	Association of higher HbA1c within the normal range with adverse pregnancy outcomes: a cross-sectional study. Acta Diabetologica, 2021, 58, 1081-1089.	2.5	12
96	Leukocyte immunoglobulin-like receptor B4 deficiency exacerbates acute lung injury via NF- \hat{l}^0 B signaling in bone marrow-derived macrophages. Bioscience Reports, 2019, 39, .	2.4	11
97	VprBP mitigates TGF- \hat{l}^2 and Activin signaling by promoting Smurf1-mediated type I receptor degradation. Journal of Molecular Cell Biology, 2020, 12, 138-151.	3.3	10
98	Identification of Protein Direct Interactome with Genetic Code Expansion and Search Engine OpenUaa. Advanced Biology, 2021, 5, e2000308.	2.5	10
99	NSC-640358 acts as RXRα ligand to promote TNFα-mediated apoptosis of cancer cell. Protein and Cell, 2015, 6, 654-666.	11.0	8
100	AMBRA1 Promotes $TGF\hat{l}^2$ Signaling via Nonproteolytic Polyubiquitylation of Smad4. Cancer Research, 2021, 81, 5007-5020.	0.9	8
101	Bisindoylmaleimide I enhances osteogenic differentiation. Protein and Cell, 2012, 3, 311-320.	11.0	7
102	Determining TGF-Î ² Receptor Levels in the Cell Membrane. Methods in Molecular Biology, 2016, 1344, 35-47.	0.9	7
103	Interactions between ALDH2 rs671 polymorphism and lifestyle behaviors on coronary artery disease risk in a Chinese Han population with dyslipidemia: A guide to targeted heart health management. Environmental Health and Preventive Medicine, 2018, 23, 29.	3.4	6
104	RNF12 is regulated by AKT phosphorylation and promotes TGF- \hat{l}^2 driven breast cancer metastasis. Cell Death and Disease, 2022, 13, 44.	6.3	6
105	Identification and Validation of a Novel Six-IncRNA-Based Prognostic Model for Lung Adenocarcinoma. Frontiers in Oncology, 2021, 11, 775583.	2.8	6
106	HSPA13 facilitates NF-κB–mediated transcription and attenuates cell death responses in TNFα signaling. Science Advances, 2021, 7, eabh1756.	10.3	5
107	Clinical characteristics of tuberculous infection following renal transplantation. Transplant Immunology, 2022, 70, 101523.	1.2	5
108	Clinical Manifestations and Outcomes of Renal Transplantation Patients With Pneumocystis jirovecii Pneumonia and Cytomegalovirus Co-infection. Frontiers in Medicine, 2022, 9, 860644.	2.6	5

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109	Tripterysium glycosides preconditioning attenuates renal ischemia/reperfusion injury in a rat model. International Urology and Nephrology, 2016, 48, 213-221.	1.4	4
110	Effect of ozone oxidative preconditioning on oxidative stress injury in a rat model of kidney transplantation. Experimental and Therapeutic Medicine, 2017, 13, 1948-1955.	1.8	4
111	A special issue on TGF-Î ² signaling: regulation, crosstalk, and biology. Acta Biochimica Et Biophysica Sinica, 2018, 50, 1-2.	2.0	4
112	An integrated surgical training program for hepatic cystic echinococcosis in Xinjiang of China. PLoS Neglected Tropical Diseases, 2020, 14, e0008023.	3.0	4
113	Novel pyroptosis-independent functions of gasdermins. Signal Transduction and Targeted Therapy, 2022, 7, 127.	17.1	4
114	Progress, Challenges, and Prospects of Research on the Effect of Gene Polymorphisms on Adverse Reactions to Opioids. Pain and Therapy, 2022, 11, 395-409.	3.2	3
115	The Prediction Analysis of Autistic and Schizotypal Traits in Attentional Networks. Psychiatry Investigation, 2021, 18, 417-425.	1.6	2
116	Summary report of seven cases of COVID-19 infection in renal transplant recipients. Transplant Immunology, 2021, 69, 101445.	1.2	2
117	Cancer Environment Immunotherapy: targeting TGF- \hat{l}^2 finds its way towards tissue healing and vasculature remodeling. Signal Transduction and Targeted Therapy, 2021, 6, 41.	17.1	2
118	ADP-riboxanation: a new pyroptosis evasion strategy. Journal of Molecular Cell Biology, 2022, 14, .	3.3	2
119	RNF12 Controls Embryonic Stem Cell Fate and Morphogenesis in Zebrafish Embryos by Targeting Smad7 for Degradation. Molecular Cell, 2012, 47, 330.	9.7	1
120	Clustering-local-unique-enriched-signals (CLUES) promotes identification of novel regulators of ES cell self-renewal and pluripotency. PLoS ONE, 2018, 13, e0206844.	2.5	1
121	Antimicrobial Susceptibility and Clonality of Vaginally Derived Multidrug-Resistant Mobiluncus Isolates in China. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	1
122	Single-center retrospective analysis of Pneumocystis jirovecii pneumonia in patients after deceased donor renal transplantation. Transplant Immunology, 2022, 72, 101593.	1.2	1
123	USP4 is regulated by Akt phosphorylation and deubiquitylates TGF-beta type I receptor. Nature Precedings, 2012, , .	0.1	0
124	An effective platform for cancer immunotherapy: pooled knockin targeting for genome engineering. Signal Transduction and Targeted Therapy, 2020, 5, 93.	17.1	0
125	A patient with end-stage renal disease who recovered from coronavirus disease 2019 then received a kidney transplant. Transplant Immunology, 2021, 67, 101395.	1.2	0
126	COVID-19 in the immunocompromised population. Chinese Medical Journal, 2021, Publish Ahead of Print, .	2.3	0

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127	cGAS-like receptors: new RNA sensors in Drosophila. Signal Transduction and Targeted Therapy, 2021, 6, 370.	17.1	0

Engineering Extracellular Vesicles Enriched with Palmitoylated ACE2 as COVIDâ€19 Therapy (Adv. Mater.) Tj ETQq0 0 0 rgBT / Overlock 1