Li Shen

List of Publications by Year
in descending order

72 papers	9,455 citations	101543 36 h-index	82547 72 g-index
74 all docs	74 docs citations	74 times ranked	14972 citing authors

#	Article	IF	Citations
1	Tet Proteins Can Convert 5-Methylcytosine to 5-Formylcytosine and 5-Carboxylcytosine. Science, 2011, 333, 1300-1303.	12.6	2,898
2	An Epithelialâ€“Mesenchymal Transition Gene Signature Predicts Resistance to EGFR and PI3K Inhibitors and Identifies Axl as a Therapeutic Target for Overcoming EGFR Inhibitor Resistance. Clinical Cancer Research, 2013, 19, 279-290.	7.0	848
3	ngs.plot: Quick mining and visualization of next-generation sequencing data by integrating genomic databases. BMC Genomics, 2014, 15, 284.	2.8	771
4	Genome-wide Analysis Reveals TET- and TDG-Dependent 5-Methylcytosine Oxidation Dynamics. Cell, 2013, 153, 692-706.	28.9	440
5	Embryonic Development following Somatic Cell Nuclear Transfer Impeded by Persisting Histone Methylation. Cell, 2014, 159, 884-895.	28.9	382
6	Mechanism and Function of Oxidative Reversal of DNA and RNA Methylation. Annual Review of Biochemistry, 2014, 83, 585-614.	11.1	289
7	AID/APOBEC deaminases disfavor modified cytosines implicated in DNA demethylation. Nature Chemical Biology, 2012, 8, 751-758.	8.0	274
8	Tet1 controls meiosis by regulating meiotic gene expression. Nature, 2012, 492, 443-447.	27.8	255
9	Generation and replication-dependent dilution of 5fC and 5caC during mouse preimplantation development. Cell Research, 2011, 21, 1670-1676.	12.0	244
10	Role of Tet1 in erasure of genomic imprinting. Nature, 2013, 504, 460-464.	27.8	199
11	Tet3 and DNA Replication Mediate Demethylation of Both the Maternal and Paternal Genomes in Mouse Zygotes. Cell Stem Cell, 2014, 15, 459-471.	11.1	191
12	Stress-Induced Metabolic Disorder in Peripheral CD4+ T Cells Leads to Anxiety-like Behavior. Cell, 2019, 179, 864-879.e19.	28.9	180
13	HER2 recruits AKT1 to disrupt STING signalling and suppress antiviral defence and antitumour immunity. Nature Cell Biology, 2019, 21, 1027-1040.	10.3	163
14	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. Nature Neuroscience, 2015, 18, 536-544.	14.8	160
15	Dynamics of 5-methylcytosine and 5-hydroxymethylcytosine during germ cell reprogramming. Cell Research, 2013, 23, 329-339.	12.0	152
16	Single-base resolution analysis of active DNA demethylation using methylase-assisted bisulfite sequencing. Nature Biotechnology, 2014, 32, 1231-1240.	17.5	139
17	5-Hydroxymethylcytosine: generation, fate, and genomic distribution. Current Opinion in Cell Biology, 2013, 25, 289-296.	5.4	126
18	Direct Generation of Human Neuronal Cells from Adult Astrocytes by Small Molecules. Stem Cell Reports, 2017, 8, 538-547.	4.8	106

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19	Loss of H3K27me3 Imprinting in Somatic Cell Nuclear Transfer Embryos Disrupts Post-Implantation Development. Cell Stem Cell, 2018, 23, 343-354.e5.	11.1	105
20	<scp>CNOT</scp> 6L couples the selective degradation of maternal transcripts to meiotic cell cycle progression in mouse oocyte. EMBO Journal, 2018, 37, .	7.8	97
21	CFP1 Regulates Histone H3K4 Trimethylation and Developmental Potential in Mouse Oocytes. Cell Reports, 2017, 20, 1161-1172.	6.4	89
22	A non-canonical cGASâ€“STINGâ€“PERK pathway facilitates the translational program critical for senescence and organ fibrosis. Nature Cell Biology, 2022, 24, 766-782.	10.3	84
23	Characterization of zygotic genome activation-dependent maternal mRNA clearance in mouse. Nucleic Acids Research, 2020, 48, 879-894.	14.5	75
24	Serum-Based Culture Conditions Provoke Gene Expression Variability in Mouse Embryonic Stem Cells as Revealed by Single-Cell Analysis. Cell Reports, 2016, 14, 956-965.	6.4	73
25	ZAR1 and ZAR2 are required for oocyte meiotic maturation by regulating the maternal transcriptome and mRNA translational activation. Nucleic Acids Research, 2019, 47, 11387-11402.	14.5	69
26	Stereotactic body radiotherapy based treatment for hepatocellular carcinoma with extensive portal vein tumor thrombosis. Radiation Oncology, 2018, 13, 188.	2.7	67
27	Itaconate inhibits TET DNA dioxygenases to dampen inflammatory responses. Nature Cell Biology, 2022, 24, 353-363.	10.3	67
28	SETDB1-Mediated Cell Fate Transition between 2C-Like and Pluripotent States. Cell Reports, 2020, 30, 25-36.e6.	6.4	64
29	Insulin treatment and clinical outcomes in patients with diabetes and heart failure with preserved ejection fraction. European Journal of Heart Failure, 2019, 21, 974-984.	7.1	52
30	YAP drives fate conversion and chemoresistance of small cell lung cancer. Science Advances, 2021, 7, eabg1850.	10.3	52
31	Ikbkap/Elp1 Deficiency Causes Male Infertility by Disrupting Meiotic Progression. PLoS Genetics, 2013, 9, e1003516.	3.5	45
32	ALK phosphorylates SMAD4 on tyrosine to disable TGF-Î² tumour suppressor functions. Nature Cell Biology, 2019, 21, 179-189.	10.3	41
33	Mammalian nucleolar protein DCAF13 is essential for ovarian follicle maintenance and oocyte growth by mediating rRNA processing. Cell Death and Differentiation, 2019, 26, 1251-1266.	11.2	41
34	PABPN1L mediates cytoplasmic mRNA decay as a placeholder during the maternalâ€toâ€zygotic transition. EMBO Reports, 2020, 21, e49956.	4.5	40
35	Haploinsufficiency, but Not Defective Paternal 5mC Oxidation, Accounts for the Developmental Defects of Maternal Tet3 Knockouts. Cell Reports, 2015, 10, 463-470.	6.4	38
36	Enzymatic Analysis of Tet Proteins: Key Enzymes in the Metabolism of DNA Methylation. Methods in Enzymology, 2012, 512, 93-105.	1.0	37

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37	Syntaxin 1A promotes the endocytic sorting of EAAC1 leading to inhibition of glutamate transport. Journal of Cell Science, 2006, 119, 3776-3787.	2.0	36
38	The Role of N-Î±-acetyltransferase 10 Protein in DNA Methylation and Genomic Imprinting. Molecular Cell, 2017, 68, 89-103.e7.	9.7	36
39	Inhibition of SNAP-25 Phosphorylation at Ser187 Is Involved in Chronic Morphine-induced Down-regulation of SNARE Complex Formation. Journal of Biological Chemistry, 2004, 279, 40601-40608.	3.4	33
40	Singleâ€cell transcriptomics of LepRâ€positive skeletal cells reveals heterogeneous stressâ€dependent stem and progenitor pools. EMBO Journal, 2022, 41, e108415.	7.8	33
41	Lck/Hck/Fgr-Mediated Tyrosine Phosphorylation Negatively Regulates TBK1 to Restrain Innate Antiviral Responses. Cell Host and Microbe, 2017, 21, 754-768.e5.	11.0	29
42	EGFR and HER2 expression in primary cervical cancers and corresponding lymph node metastases: Implications for targeted radiotherapy. BMC Cancer, 2008, 8, 232.	2.6	26
43	Recurrence patterns in patients with high-grade glioma following temozolomide-based chemoradiotherapy. Molecular and Clinical Oncology, 2016, 5, 289-294.	1.0	26
44	Single-Cell Dynamic Analysis of Mitosis in Haploid Embryonic Stem Cells Shows the Prolonged Metaphase and Its Association with Self-diploidization. Stem Cell Reports, 2017, 8, 1124-1134.	4.8	24
45	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
46	NAT10-mediated N4-acetylcytidine modification is required for meiosis entry and progression in male germ cells. Nucleic Acids Research, 2022, 50, 10896-10913.	14.5	20
47	Accuracy of Magnetic Resonance Imaging in Staging Rectal Cancer with Multidisciplinary Team: A Single-Center Experience. Journal of Cancer, 2019, 10, 6594-6598.	2.5	16
48	Dynamic MRI follow-up of radiation encephalopathy in the temporal lobe following nasopharyngeal carcinoma radiotherapy. Oncology Letters, 2017, 14, 715-724.	1.8	15
49	<scp>PTPN</scp> 3 acts as a tumor suppressor and boosts <scp>TGF</scp> â€Î² signaling independent of its phosphatase activity. EMBO Journal, 2019, 38, e99945.	7.8	15
50	Role of CxxC-finger protein 1 in establishing mouse oocyte epigenetic landscapes. Nucleic Acids Research, 2021, 49, 2569-2582.	14.5	15
51	Stabilization of mouse haploid embryonic stem cells with combined kinase and signal modulation. Scientific Reports, 2017, 7, 13222.	3.3	14
52	Telomeric epigenetic response mediated by Gadd45a regulates stem cell aging and lifespan. EMBO Reports, 2018, 19, .	4.5	14
53	CxxC finger protein 1-mediated histone H3 lysine-4 trimethylation is essential for proper meiotic crossover formation in mice. Development (Cambridge), 2020, 147, .	2.5	13
54	Nuclear poly(A) binding protein 1 (PABPN1) mediates zygotic genome activation-dependent maternal mRNA clearance during mouse early embryonic development. Nucleic Acids Research, 2022, 50, 458-472.	14.5	13

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55	Pancreatic cancer adjuvant radiotherapy target volume design: based on the postoperative local recurrence spatial location. Radiation Oncology, 2016, 11, 138.	2.7	11
56	The CNOT4 Subunit of the CCR4â€NOT Complex is Involved in mRNA Degradation, Efficient DNA Damage Repair, and XY Chromosome Crossover during Male Germ Cell Meiosis. Advanced Science, 2021, 8, 2003636.	11.2	11
57	Patterns of recurrence after curative D2 resection for gastric cancer: Implications for postoperative radiotherapy. Cancer Medicine, 2020, 9, 4724-4735.	2.8	10
58	A single amino acid substitution confers enhanced methylation activity of mammalian Dnmt3b on chromatin DNA. Nucleic Acids Research, 2010, 38, 6054-6064.	14.5	9
59	Genomewide decoupling of H2AK119ub1 and H3K27me3 in early mouse development. Science Bulletin, 2021, 66, 2489-2497.	9.0	9
60	Parametric contrast-enhanced ultrasound as an early predictor of radiation-based therapeutic response for lymph node metastases of nasopharyngeal carcinoma. Molecular and Clinical Oncology, 2014, 2, 666-672.	1.0	7
61	USP16-mediated histone H2A lysine-119 deubiquitination during oocyte maturation is a prerequisite for zygotic genome activation. Nucleic Acids Research, 2022, 50, 5599-5616.	14.5	7
62	Chemosensitization and radiosensitization of a lung cancer cell line A549 induced by a composite polymer micelle. Discovery Medicine, 2016, 22, 7-17.	0.5	6
63	Pathological Networks Involving Dysmorphic Neurons in Type II Focal Cortical Dysplasia. Neuroscience Bulletin, 2022, 38, 1007-1024.	2.9	6
64	HSPA13 facilitates NF-ÎºBâ€“mediated transcription and attenuates cell death responses in TNFÎ± signaling. Science Advances, 2021, 7, eabh1756.	10.3	5
65	HMCES safeguards genome integrity and long-term self-renewal of hematopoietic stem cells during stress responses. Leukemia, 2022, 36, 1123-1131.	7.2	5
66	HER2 overexpression reverses the relative resistance of EGFR-mutant H1975 cell line to gefitinib. Oncology Letters, 2016, 12, 5363-5369.	1.8	3
67	In vivo development and singleâ€cell transcriptome profiling of human brain organoids. Cell Proliferation, 2022, , e13201.	5.3	3
68	Aurora Kinase A as a Diagnostic and Prognostic Marker of Malignant Mesothelioma. Frontiers in Oncology, 2021, 11, 789244.	2.8	3
69	Advances in singleâ€cell sequencing and its application to musculoskeletal system research. Cell Proliferation, 2022, 55, e13161.	5.3	3
70	Primary surgery followed by selective radiochemotherapy versus conventional preoperative radiochemotherapy for patients with locally advanced rectal cancer with MRI-negative circumferential margin (PSSR): A multicenter, randomized, open-label, noninferiority, phase 3 trial.. Journal of Clinical Oncology, 2022, 40, 3515-3515.	1.6	2
71	Changes in c-Kit expression levels during the course of radiation therapy for nasopharyngeal carcinoma. Biomedical Reports, 2016, 5, 437-442.	2.0	1
72	The Molecular Basis of DNA Demethylation. Cancer Drug Discovery and Development, 2017, , 53-73.	0.4	1