

# Zhichao Li

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

2,827  
citations

159585

30  
h-index

206112

48  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesizing AND gate genetic circuits based on CRISPR-Cas9 for identification of bladder cancer cells. <i>Nature Communications</i> , 2014, 5, 5393.	12.8	180
2	Directing cellular information flow via CRISPR signal conductors. <i>Nature Methods</i> , 2016, 13, 938-944.	19.0	149
3	One-tube SARS-CoV-2 detection platform based on RT-RPA and CRISPR/Cas12a. <i>Journal of Translational Medicine</i> , 2021, 19, 74.	4.4	117
4	Tetracycline-inducible shRNA targeting antisense long non-coding RNA HIF1A-AS2 represses the malignant phenotypes of bladder cancer. <i>Cancer Letters</i> , 2016, 376, 155-164.	7.2	84
5	LncRNA MALAT1 Inhibits Apoptosis and Promotes Invasion by Antagonizing miR-125b in Bladder Cancer Cells. <i>Journal of Cancer</i> , 2017, 8, 3803-3811.	2.5	79
6	ACME: pan-specific peptide-MHC class I binding prediction through attention-based deep neural networks. <i>Bioinformatics</i> , 2019, 35, 4946-4954.	4.1	79
7	Human Lung Adenocarcinoma-Derived Organoid Models for Drug Screening. <i>IScience</i> , 2020, 23, 101411.	4.1	75
8	Up-regulation of long non-coding RNA PANDAR is associated with poor prognosis and promotes tumorigenesis in bladder cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 83.	8.6	71
9	Synthetic tetracycline-controllable shRNA targeting long non-coding RNA HOXD-AS1 inhibits the progression of bladder cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 99.	8.6	70
10	Long non-coding RNA NEAT1-centric gene regulation. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3769-3779.	5.4	68
11	Quantum Dot Nanobeacons for Single RNA Labeling and Imaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 13454-13458.	13.7	67
12	Long noncoding RNA HOTAIR promotes metastasis of renal cell carcinoma by up-regulating histone H3K27 demethylase JMJD3. <i>Oncotarget</i> , 2017, 8, 19795-19802.	1.8	65
13	Over-expression of long noncoding RNA BANCR inhibits malignant phenotypes of human bladder cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 125.	8.6	64
14	Patient-derived organoid (PDO) platforms to facilitate clinical decision making. <i>Journal of Translational Medicine</i> , 2021, 19, 40.	4.4	62
15	Verteporfin inhibits YAP-induced bladder cancer cell growth and invasion via Hippo signaling pathway. <i>International Journal of Medical Sciences</i> , 2018, 15, 645-652.	2.5	60
16	shRNA targeting long non-coding RNA CCAT2 controlled by tetracycline-inducible system inhibits progression of bladder cancer cells. <i>Oncotarget</i> , 2016, 7, 28989-28997.	1.8	60
17	<i>AFAP1-AS1</i> : A novel oncogenic long non-coding RNA in human cancers. <i>Cell Proliferation</i> , 2018, 51, .	5.3	57
18	Increased expression of SUMO1P3 predicts poor prognosis and promotes tumor growth and metastasis in bladder cancer. <i>Oncotarget</i> , 2016, 7, 16038-16048.	1.8	50

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19	Inducing cell growth arrest and apoptosis by silencing long non-coding RNA PCAT-1 in human bladder cancer. <i>Tumor Biology</i> , 2015, 36, 7685-7689.	1.8	49
20	Enhancer RNAs (eRNAs): New Insights into Gene Transcription and Disease Treatment. <i>Journal of Cancer</i> , 2018, 9, 2334-2340.	2.5	49
21	The Function and Mechanism of Long Non-coding RNA-ATB in Cancers. <i>Frontiers in Physiology</i> , 2018, 9, 321.	2.8	48
22	Rational Design of Mini-Cas9 for Transcriptional Activation. <i>ACS Synthetic Biology</i> , 2018, 7, 978-985.	3.8	47
23	GlnR-Mediated Regulation of <i>ectABCD</i> Transcription Expands the Role of the GlnR Regulon to Osmotic Stress Management. <i>Journal of Bacteriology</i> , 2015, 197, 3041-3047.	2.2	42
24	Patient-derived organoids of bladder cancer recapitulate antigen expression profiles and serve as a personal evaluation model for CAR <sup>T</sup> cells <i>in vitro</i> . <i>Clinical and Translational Immunology</i> , 2021, 10, e1248.	3.8	41
25	Theophylline controllable RNAi-based genetic switches regulate expression of lncRNA TINCR and malignant phenotypes in bladder cancer cells. <i>Scientific Reports</i> , 2016, 6, 30798.	3.3	40
26	Long non-coding RNA CRNDE in cancer prognosis: Review and meta-analysis. <i>Clinica Chimica Acta</i> , 2018, 485, 262-271.	1.1	38
27	Increased expression of ZEB1-AS1 correlates with higher histopathological grade and promotes tumorigenesis in bladder cancer. <i>Oncotarget</i> , 2017, 8, 24202-24212.	1.8	37
28	SPRY4-IT1: A novel oncogenic long non-coding RNA in human cancers. <i>Tumor Biology</i> , 2017, 39, 101042831771140.	1.8	34
29	A CRISPR-Cas12a-based specific enhancer for more sensitive detection of SARS-CoV-2 infection. <i>EBioMedicine</i> , 2020, 61, 103036.	6.1	34
30	In Vitro and In Vivo Antitumor Activity of Cucurbitacin C, a Novel Natural Product From Cucumber. <i>Frontiers in Pharmacology</i> , 2019, 10, 1287.	3.5	32
31	A Multifunction Lipid-Based CRISPR-Cas13a Genetic Circuit Delivery System for Bladder Cancer Gene Therapy. <i>ACS Synthetic Biology</i> , 2020, 9, 343-355.	3.8	31
32	Organoid Cultures Derived From Patients With Papillary Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1410-1426.	3.6	30
33	Transcriptional cofactor Mask2 is required for YAP-induced cell growth and migration in bladder cancer cell. <i>Journal of Cancer</i> , 2016, 7, 2132-2138.	2.5	28
34	Reprogrammable CRISPR/dCas9-based recruitment of DNMT1 for site-specific DNA demethylation and gene regulation. <i>Cell Discovery</i> , 2019, 5, 22.	6.7	28
35	&lt;p&gt;Extracellular matrix protein 1 (ECM1) is associated with carcinogenesis potential of human bladder cancer&lt;p&gt;. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 1423-1432.	2.0	28
36	An Efficient Light-Inducible P53 Expression System for Inhibiting Proliferation of Bladder Cancer Cell. <i>International Journal of Biological Sciences</i> , 2016, 12, 1273-1278.	6.4	26

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37	A long way to the battlefield: CAR T cell therapy against solid cancers. <i>Journal of Cancer</i> , 2019, 10, 3112-3123.	2.5	26
38	Long noncoding RNA HOTTIP as a novel predictor of lymph node metastasis and survival in human cancer: a systematic review and meta-analysis. <i>Oncotarget</i> , 2017, 8, 14126-14132.	1.8	26
39	Uniaxial cyclic stretch stimulates TRPV4 to induce realignment of human embryonic stem cell-derived cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 87, 65-73.	1.9	25
40	TM9SF4 is a novel factor promoting autophagic flux under amino acid starvation. <i>Cell Death and Differentiation</i> , 2018, 25, 368-379.	11.2	25
41	Synthesizing AND gate minigene circuits based on CRISPRReader for identification of bladder cancer cells. <i>Nature Communications</i> , 2020, 11, 5486.	12.8	25
42	CRISPR-dCas9-Guided and Telomerase-Responsive Nanosystem for Precise Anti-Cancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 7890-7896.	8.0	25
43	Synthesizing a Genetic Sensor Based on CRISPR-Cas9 for Specifically Killing p53-Deficient Cancer Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 1798-1807.	3.8	24
44	Patient-derived renal cell carcinoma organoids for personalized cancer therapy. <i>Clinical and Translational Medicine</i> , 2022, 12, .	4.0	24
45	Enhancer RNA - P2RY2e induced by estrogen promotes malignant behaviors of bladder cancer. <i>International Journal of Biological Sciences</i> , 2018, 14, 1268-1276.	6.4	23
46	Modulation of SRSF2 expression reverses the exhaustion of TILs via the epigenetic regulation of immune checkpoint molecules. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3441-3452.	5.4	22
47	Roles of ER $\alpha$ and GPR30 in Proliferative Response of Human Bladder Cancer Cell to Estrogen. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	21
48	MiR-155-5p modulates HSV-1 replication via the epigenetic regulation of SRSF2 gene expression. <i>Epigenetics</i> , 2019, 14, 494-503.	2.7	21
49	Role of TRPV1 in the Differentiation of Mouse Embryonic Stem Cells into Cardiomyocytes. <i>PLoS ONE</i> , 2015, 10, e0133211.	2.5	21
50	TBK1 Promote Bladder Cancer Cell Proliferation and Migration via Akt Signaling. <i>Journal of Cancer</i> , 2017, 8, 1892-1899.	2.5	20
51	Targeting cellular mRNAs translation by CRISPR-Cas9. <i>Scientific Reports</i> , 2016, 6, 29652.	3.3	19
52	Gastrodin Inhibits Store-Operated Ca <sup>2+</sup> Entry and Alleviates Cardiac Hypertrophy. <i>Frontiers in Pharmacology</i> , 2017, 8, 222.	3.5	19
53	Long noncoding RNA CCAT2 as a novel biomaker of metastasis and prognosis in human cancer: a meta-analysis. <i>Oncotarget</i> , 2017, 8, 75664-75674.	1.8	19
54	Regulation of histone demethylase KDM6B by hypoxia-inducible factor-2 $\alpha$ . <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 106-113.	2.0	17

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55	Synthetic Bax-Anti Bcl2 combination module actuated by super artificial hTERT promoter selectively inhibits malignant phenotypes of bladder cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 3.	8.6	17
56	Multiplexed promoterless gene expression with CRISPRReader. <i>Genome Biology</i> , 2019, 20, 113.	8.8	17
57	Synthetic Tet-inducible artificial microRNAs targeting $\beta$ -catenin or HIF-1 $\alpha$ inhibit malignant phenotypes of bladder cancer cells T24 and 5637. <i>Scientific Reports</i> , 2015, 5, 16177.	3.3	16
58	Protocol for generation of lung adenocarcinoma organoids from clinical samples. <i>STAR Protocols</i> , 2021, 2, 100239.	1.2	16
59	Ang II Promotes Cardiac Autophagy and Hypertrophy via Orai1/STIM1. <i>Frontiers in Pharmacology</i> , 2021, 12, 622774.	3.5	16
60	Oestrogen promotes tumorigenesis of bladder cancer by inducing the enhancer RNA eGREB1. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5919-5927.	3.6	15
61	Specifically blocking the fatty acid synthesis to inhibit the malignant phenotype of bladder cancer. <i>International Journal of Biological Sciences</i> , 2019, 15, 1610-1617.	6.4	15
62	Highly sensitive ratiometric fluorescent paper sensor for the urine assay of cancer. <i>Talanta</i> , 2019, 194, 199-204.	5.5	15
63	Synthesizing artificial devices that redirect cellular information at will. <i>ELife</i> , 2018, 7, .	6.0	14
64	Transmission in home environment associated with the second wave of COVID-19 pandemic in India. <i>Environmental Research</i> , 2022, 204, 111910.	7.5	14
65	R383C mutation of human CDC20 results in idiopathic non-obstructive azoospermia. <i>Oncotarget</i> , 2017, 8, 99816-99824.	1.8	14
66	Patient-Derived Upper Tract Urothelial Carcinoma Organoids as a Platform for Drug Screening. <i>Advanced Science</i> , 2022, 9, e2103999.	11.2	12
67	The Golgi-Associated Plant Pathogenesis-Related Protein GAPR-1 Enhances Type I Interferon Signaling Pathway in Response to Toll-Like Receptor 4. <i>Inflammation</i> , 2016, 39, 706-717.	3.8	11
68	Single-cell profiling of long noncoding RNAs and their cell lineage commitment roles via RNA-DNA-DNA triplex formation in mammary epithelium. <i>Stem Cells</i> , 2020, 38, 1594-1611.	3.2	11
69	Fast-tracking acute stroke care in China: Shenzhen Stroke Emergency Map. <i>Postgraduate Medical Journal</i> , 2019, 95, 46-47.	1.8	10
70	Improving transgene expression and CRISPR-Cas9 efficiency with molecular engineering-based molecules. <i>Clinical and Translational Medicine</i> , 2020, 10, e194.	4.0	10
71	Synthetic Tet-inducible small hairpin RNAs targeting hTERT or Bcl-2 inhibit malignant phenotypes of bladder cancer T24 and 5637 cells. <i>Tumor Biology</i> , 2016, 37, 3115-3121.	1.8	9
72	TRPV6 protects ER stress-induced apoptosis via ATF6 $\beta$ -TRPV6-JNK pathway in human embryonic stem cell-derived cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 120, 1-11.	1.9	9

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73	Recent development on synthetic biological devices treating bladder cancer. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 216-220.	3.7	8
74	High expression of enhancer RNA MARC1 or its activation by DHT is associated with the malignant behavior in bladder cancer. <i>Experimental Cell Research</i> , 2018, 370, 303-311.	2.6	7
75	iCatch: a new strategy for capturing large DNA fragments using homing endonucleases. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 97-103.	2.0	7
76	Inhibiting cell migration and cell invasion by silencing the transcription factor ETS-1 in human bladder cancer. <i>Oncotarget</i> , 2016, 7, 25125-25134.	1.8	7
77	Synthetic artificial "long non-coding RNAs" targeting oncogenic microRNAs and transcriptional factors inhibit malignant phenotypes of bladder cancer cells. <i>Cancer Letters</i> , 2018, 422, 94-106.	7.2	6
78	Shenzhen stroke emergency map improves access to rt-PA for patients with acute ischaemic stroke. <i>Stroke and Vascular Neurology</i> , 2019, 4, 115-122.	3.3	6
79	Identification of Mutated Peptides in Bladder Cancer From Exomic Sequencing Data Reveals Negative Correlation Between Mutation-Specific Immunoreactivity and Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 576603.	4.8	5
80	Magnetic bead-enzyme assemble for triple-parameter telomerase detection at single-cell level. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5283-5289.	3.7	5
81	A synthetic targeted RNA demethylation system based on CRISPR-Cas13b inhibits bladder cancer progression. <i>Clinical and Translational Medicine</i> , 2022, 12, e734.	4.0	5
82	Importance of the residue 190 on bactericidal activity of the bactericidal/permeability-increasing protein 5. <i>Oncotarget</i> , 2016, 7, 43088-43094.	1.8	2
83	Role of nuclear paraspeckle assembly transcript 1 as a common molecular marker for prognosis in various cancers. <i>Minerva Medica</i> , 2017, 108, 477-479.	0.9	2
84	SARS-CoV-2 is less likely to infect aquatic food animals: sequence and phylogeny analysis of ACE2 in mammals and fish. <i>Molecular Biomedicine</i> , 2020, 1, 13.	4.4	2
85	Long range haplotyping of paired-homologous chromosomes by single-chromosome sequencing of a single cell. <i>Scientific Reports</i> , 2018, 8, 1640.	3.3	1
86	Artificial small RNA for sequence specific cleavage of target RNA through RNase III endonuclease Dicer. <i>Oncotarget</i> , 2016, 7, 54549-54554.	1.8	1
87	Role of PRMT5 in bladder cancer: a comprehensive study. <i>Translational Cancer Research</i> , 2019, 8, 491-498.	1.0	0