

Tong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,389
citations

236925

25
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

3753
citing authors

#	ARTICLE	IF	CITATIONS
1	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. <i>Nature Cell Biology</i> , 2018, 20, 535-540.	10.3	302
2	Unique Toll-Like Receptor 4 Activation by NAMPT/PBEF Induces NF κ B Signaling and Inflammatory Lung Injury. <i>Scientific Reports</i> , 2015, 5, 13135.	3.3	126
3	Endothelial HIF-2 α Contributes to Severe Pulmonary Hypertension by Inducing Endothelial-to-Mesenchymal Transition. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, ajplung.00096.2.	2.9	121
4	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , 2021, 23, 424-436.	10.3	115
5	SPORTS1.0: A Tool for Annotating and Profiling Non-coding RNAs Optimized for rRNA- and tRNA-derived Small RNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 144-151.	6.9	102
6	The potential of using blood circular RNA as liquid biopsy biomarker for human diseases. <i>Protein and Cell</i> , 2021, 12, 911-946.	11.0	101
7	Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. <i>Cell</i> , 2018, 175, 1887-1901.e18.	28.9	91
8	The role of RNA structure at 5' untranslated region in microRNA-mediated gene regulation. <i>Rna</i> , 2014, 20, 1369-1375.	3.5	89
9	DC-SIGN and immunoregulation. <i>Cellular and Molecular Immunology</i> , 2006, 3, 279-83.	10.5	89
10	Expression profiling of ion channel genes predicts clinical outcome in breast cancer. <i>Molecular Cancer</i> , 2013, 12, 106.	19.2	85
11	Origins and evolving functionalities of tRNA-derived small RNAs. <i>Trends in Biochemical Sciences</i> , 2021, 46, 790-804.	7.5	81
12	Identification of Jak-STAT signaling involvement in sarcoidosis severity via a novel microRNA-regulated peripheral blood mononuclear cell gene signature. <i>Scientific Reports</i> , 2017, 7, 4237.	3.3	67
13	Exploring the expanding universe of small RNAs. <i>Nature Cell Biology</i> , 2022, 24, 415-423.	10.3	65
14	Sphingosine-1-phosphate lyase is an endogenous suppressor of pulmonary fibrosis: role of S1P signalling and autophagy. <i>Thorax</i> , 2015, 70, 1138-1148.	5.6	62
15	Potential Diagnostic Power of Blood Circular RNA Expression in Active Pulmonary Tuberculosis. <i>EBioMedicine</i> , 2018, 27, 18-26.	6.1	61
16	tsRNAs: The Swiss Army Knife for Translational Regulation. <i>Trends in Biochemical Sciences</i> , 2019, 44, 185-189.	7.5	61
17	Quantifying circular RNA expression from RNA-seq data using model-based framework. <i>Bioinformatics</i> , 2017, 33, 2131-2139.	4.1	57
18	Rat BodyMap transcriptomes reveal unique circular RNA features across tissue types and developmental stages. <i>Rna</i> , 2018, 24, 1443-1456.	3.5	50

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19	Tumor Endothelial Inflammation Predicts Clinical Outcome in Diverse Human Cancers. PLoS ONE, 2012, 7, e46104.	2.5	42
20	Ion channel gene expression predicts survival in glioma patients. Scientific Reports, 2015, 5, 11593.	3.3	41
21	Small RNA modifications in Alzheimer's disease. Neurobiology of Disease, 2020, 145, 105058.	4.4	40
22	Nuclear factor, erythroid 2-like 2-associated molecular signature predicts lung cancer survival. Scientific Reports, 2015, 5, 16889.	3.3	39
23	Peripheral blood non-canonical small non-coding RNAs as novel biomarkers in lung cancer. Molecular Cancer, 2020, 19, 159.	19.2	36
24	Ion Channel Gene Expression in Lung Adenocarcinoma: Potential Role in Prognosis and Diagnosis. PLoS ONE, 2014, 9, e86569.	2.5	33
25	Expression of nuclear factor, erythroid 2-like 2-mediated genes differentiates tuberculosis. Tuberculosis, 2016, 99, 56-62.	1.9	30
26	Expression Profiling of Mitochondrial Voltage-Dependent Anion Channel-1 Associated Genes Predicts Recurrence-Free Survival in Human Carcinomas. PLoS ONE, 2014, 9, e110094.	2.5	28
27	Identifying Novel Biomarkers in Sarcoidosis Using Genome-Based Approaches. Clinics in Chest Medicine, 2015, 36, 621-630.	2.1	25
28	Reactive Oxygen Species-associated Molecular Signature Predicts Survival in Patients with Sepsis. Pulmonary Circulation, 2016, 6, 196-201.	1.7	25
29	Emodin and emodin-rich rhubarb inhibits histone deacetylase (HDAC) activity and cardiac myocyte hypertrophy. Journal of Nutritional Biochemistry, 2020, 79, 108339.	4.2	25
30	Expression of Nicotinamide Phosphoribosyltransferase-Influenced Genes Predicts Recurrence-Free Survival in Lung and Breast Cancers. Scientific Reports, 2014, 4, 6107.	3.3	22
31	IL-18 mediates sickle cell cardiomyopathy and ventricular arrhythmias. Blood, 2021, 137, 1208-1218.	1.4	22
32	A MYLK variant regulates asthmatic inflammation via alterations in mRNA secondary structure. European Journal of Human Genetics, 2015, 23, 874-876.	2.8	21
33	An engineered nano-liposome-human ACE2 decoy neutralizes SARS-CoV-2 Spike protein-induced inflammation in both murine and human macrophages. Theranostics, 2022, 12, 2639-2657.	10.0	19
34	Denosing Autoencoder, A Deep Learning Algorithm, Aids the Identification of A Novel Molecular Signature of Lung Adenocarcinoma. Genomics, Proteomics and Bioinformatics, 2020, 18, 468-480.	6.9	18
35	Myeloid-specific deficiency of pregnane X receptor decreases atherosclerosis in LDL receptor-deficient mice. Journal of Lipid Research, 2020, 61, 696-706.	4.2	18
36	Genes Influenced by the Non-Muscle Isoform of Myosin Light Chain Kinase Impact Human Cancer Prognosis. PLoS ONE, 2014, 9, e94325.	2.5	17

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37	A transcriptomic insight into the impacts of mast cells in lung, breast, and colon cancers. <i>Oncolmmunology</i> , 2017, 6, e1360457.	4.6	16
38	Sp1-Mediated Nonmuscle Myosin Light Chain Kinase Expression and Enhanced Activity in Vascular Endothelial Growth Factor-Induced Vascular Permeability. <i>Pulmonary Circulation</i> , 2015, 5, 707-715.	1.7	15
39	Cooperation-based sperm clusters mediate sperm oviduct entry and fertilization. <i>Protein and Cell</i> , 2021, 12, 810-817.	11.0	14
40	The Splicing Factor hnRNPA1 Regulates Alternate Splicing of the <i>MYLK</i> Gene. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 604-613.	2.9	13
41	S1PR1-Associated Molecular Signature Predicts Survival in Patients with Sepsis. <i>Shock</i> , 2020, 53, 284-292.	2.1	13
42	Functional and Structural Consequence of Rare Exonic Single Nucleotide Polymorphisms: One Story, Two Tales. <i>Genome Biology and Evolution</i> , 2015, 7, 2929-2940.	2.5	12
43	Caffeine consumption during early pregnancy impairs oviductal embryo transport, embryonic development and uterine receptivity in mice. <i>Biology of Reproduction</i> , 2018, 99, 1266-1275.	2.7	12
44	A Nonmuscle Myosin Light Chain Kinase-Dependent Gene Signature in Peripheral Blood Mononuclear Cells is Linked to Human Asthma Severity and Exacerbation Status. <i>Pulmonary Circulation</i> , 2015, 5, 335-338.	1.7	9
45	Divergent and Overlapping Roles for Selected Phytochemicals in the Regulation of Pathological Cardiac Hypertrophy. <i>Molecules</i> , 2021, 26, 1210.	3.8	8
46	Emerging Biomarkers and Therapeutic Strategies for Refractory Bullous Pemphigoid. <i>Frontiers in Immunology</i> , 2021, 12, 718073.	4.8	8
47	HIV Protein Tat Induces Macrophage Dysfunction and Atherosclerosis Development in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 201-215.	2.6	7
48	MicroRNA and protein-coding gene expression analysis in idiopathic pulmonary fibrosis yields novel biomarker signatures associated to survival. <i>Translational Research</i> , 2021, 228, 1-12.	5.0	6
49	The Evolution of G-quadruplex Structure in mRNA Untranslated Region. <i>Evolutionary Bioinformatics</i> , 2021, 17, 117693432110351.	1.2	6
50	Expression of Alpha-type Platelet-derived Growth Factor Receptor-influenced Genes Predicts Clinical Outcome in Glioma. <i>Translational Oncology</i> , 2020, 13, 233-240.	3.7	4
51	In silico-determined compound from the root of <i>Pueraria lobate</i> alleviates synaptic plasticity injury induced by Alzheimer's disease via the p38MAPK-CREB signaling pathway. <i>Food and Function</i> , 2021, 12, 1039-1050.	4.6	4
52	Ablation of the miR-465 Cluster Causes a Skewed Sex Ratio in Mice. <i>Frontiers in Endocrinology</i> , 2022, 13, .	3.5	4
53	Transcriptomic insight into the translational value of two murine models in human atopic dermatitis. <i>Scientific Reports</i> , 2021, 11, 6616.	3.3	3
54	Far-infrared rays enhance mitochondrial biogenesis and <i>GLUT3</i> expression under low glucose conditions in rat skeletal muscle cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2021, 25, 167-175.	1.2	2

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55	AQUARIUM: accurate quantification of circular isoforms using model-based strategy. <i>Bioinformatics</i> , 2021, 37, 4879-4881.	4.1	2
56	Prediction of itching diagnostic marker through RNA sequencing of contact hypersensitivity and skin scratching stimulation mice models. <i>Korean Journal of Physiology and Pharmacology</i> , 2019, 23, 151.	1.2	1
57	Increased frequency of circulating Tfh cells in patients with acute pancreatitis. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 5300-5308.	0.5	1
58	RNA Modification Signature of Peripheral Blood as a Potential Diagnostic Marker for Pulmonary Hypertension. <i>Hypertension</i> , 2022, 79, HYPERTENSIONAHA12118724.	2.7	1
59	Small non-coding RNAs as epigenetic regulators. , 2019, , 37-47.		0