Yu Zhou

List of Publications by Year
in descending order

114 papers	9,508 citations	50170 46 h-index	43802 91 g-index
123 all docs	123 docs citations	123 times ranked	16929 citing authors

#	Article	IF	Citations
1	MVIP: multi-omics portal of viral infection. Nucleic Acids Research, 2022, 50, D817-D827.	6.5	16
2	Phytochemical wedelolactone reverses obesity by prompting adipose browning through SIRT1/AMPK/ PPARÎ± pathway via targeting nicotinamide N-methyltransferase. Phytomedicine, 2022, 94, 153843.	2.3	6
3	Exosomes derived from immunogenically dying tumor cells as a versatile tool for vaccination against pancreatic cancer. Biomaterials, 2022, 280, 121306.	5.7	32
4	Alternative polyadenylation by sequential activation of distal and proximal PolyA sites. Nature Structural and Molecular Biology, 2022, 29, 21-31.	3.6	27
5	LeafNet: a tool for segmenting and quantifying stomata and pavement cells. Plant Cell, 2022, 34, 1171-1188.	3.1	17
6	ILF3 represses repeat-derived microRNAs targeting RIG-I mediated type I interferon response. Journal of Molecular Biology, 2022, 434, 167469.	2.0	2
7	SLC35B2 Acts in a Dual Role in the Host Sulfation Required for EV71 Infection. Journal of Virology, 2022, 96, e0204221.	1.5	8
8	Recent advances in RNA structurome. Science China Life Sciences, 2022, 65, 1285-1324.	2.3	22
9	Pancreatic cancer-targeting exosomes for enhancing immunotherapy and reprogramming tumor microenvironment. Biomaterials, 2021, 268, 120546.	5.7	237
10	Immune-based mutation classification enables neoantigen prioritization and immune feature discovery in cancer immunotherapy. OncoImmunology, 2021, 10, 1868130.	2.1	17
11	Coinfection with influenza A virus enhances SARS-CoV-2 infectivity. Cell Research, 2021, 31, 395-403.	5.7	164
12	Pooled CRISPR screening identifies m ⁶ A as a positive regulator of macrophage activation. Science Advances, 2021, 7, .	4.7	102
13	Oâ€GlcNAcylation of TDPâ€43 suppresses proteinopathies and promotes TDPâ€43â€™s mRNA splicing activity. EMBO Reports, 2021, 22, e51649.	2.0	15
14	NEPdb: A Database of T-Cell Experimentally-Validated Neoantigens and Pan-Cancer Predicted Neoepitopes for Cancer Immunotherapy. Frontiers in Immunology, 2021, 12, 644637.	2.2	34
15	The SARS-CoV-2 subgenome landscape and its novel regulatory features. Molecular Cell, 2021, 81, 2135-2147.e5.	4.5	72
16	Atractylenolide III reduces depressive- and anxiogenic-like behaviors in rat depression models. Neuroscience Letters, 2021, 759, 136050.	1.0	27
17	Biomarkers and Immune Repertoire Metrics Identified by Peripheral Blood Transcriptomic Sequencing Reveal the Pathogenesis of COVID-19. Frontiers in Immunology, 2021, 12, 677025.	2.2	7
18	Precision Engineering of an Anti-HLA-A2 Chimeric Antigen Receptor in Regulatory T Cells for Transplant Immune Tolerance. Frontiers in Immunology, 2021, 12, 686439.	2.2	37

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19	Cyclin E in normal physiology and disease states. Trends in Cell Biology, 2021, 31, 732-746.	3.6	54
20	TDP-43 aggregation induced by oxidative stress causes global mitochondrial imbalance in ALS. Nature Structural and Molecular Biology, 2021, 28, 132-142.	3.6	92
21	Full-length annotation with multistrategy RNA-seq uncovers transcriptional regulation of lncRNAs in cotton. Plant Physiology, 2021, 185, 179-195.	2.3	15
22	ASER: Animal Sex Reversal Database. Genomics, Proteomics and Bioinformatics, 2021, 19, 873-881.	3.0	5
23	Deletion of Asrgl1 Leads to Photoreceptor Degeneration in Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 783547.	1.8	4
24	MaGenDB: a functional genomics hub for Malvaceae plants. Nucleic Acids Research, 2020, 48, D1076-D1084.	6.5	23
25	The Paf1 complex transcriptionally regulates the mitochondrial-anchored protein Atg32 leading to activation of mitophagy. Autophagy, 2020, 16, 1366-1379.	4.3	26
26	Bone marrow mesenchymal stem cells-derived exosomes for penetrating and targeted chemotherapy of pancreatic cancer. Acta Pharmaceutica Sinica B, 2020, 10, 1563-1575.	5.7	78
27	Role of Apg-1 in HSF1 activation and bortezomib sensitivity in myeloma cells. Experimental Hematology, 2020, 81, 50-59.	0.2	2
28	Actin Polymerization and ESCRT Trigger Recruitment of the Fusogens Syntaxin-2 and EFF-1 to Promote Membrane Repair in C.Âelegans. Developmental Cell, 2020, 54, 624-638.e5.	3.1	20
29	Identification of Key Genes and Pathways Associated with Age-Related Macular Degeneration. Journal of Ophthalmology, 2020, 2020, 1-10.	0.6	5
30	Defective minor spliceosomes induce SMA-associated phenotypes through sensitive intron-containing neural genes in Drosophila. Nature Communications, 2020, 11, 5608.	5.8	8
31	Hypercholesterolemia risk-associated GPR146 is an orphan G-protein coupled receptor that regulates blood cholesterol levels in humans and mice. Cell Research, 2020, 30, 363-365.	5.7	12
32	Transcriptomic characteristics of bronchoalveolar lavage fluid and peripheral blood mononuclear cells in COVID-19 patients. Emerging Microbes and Infections, 2020, 9, 761-770.	3.0	994
33	Wounding triggers MIRO-1 dependent mitochondrial fragmentation that accelerates epidermal wound closure through oxidative signaling. Nature Communications, 2020, 11, 1050.	5.8	44
34	Type I Interferon Regulates a Coordinated Gene Network to Enhance Cytotoxic T Cellâ€“Mediated Tumor Killing. Cancer Discovery, 2020, 10, 382-393.	7.7	31
35	PsORF: a database of small ORFs in plants. Plant Biotechnology Journal, 2020, 18, 2158-2160.	4.1	35
36	Knockout of glutathione peroxidase 5 down-regulates the piRNAs in the caput epididymidis of aged mice. Asian Journal of Andrology, 2020, 22, 590.	0.8	10

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37	Pervasive Chromatin-RNA Binding Protein Interactions Enable RNA-Based Regulation of Transcription. Cell, 2019, 178, 107-121.e18.	13.5	224
38	Multi-strategic RNA-seq analysis reveals a high-resolution transcriptional landscape in cotton. Nature Communications, 2019, 10, 4714.	5.8	70
39	Oleoylethanolamide inhibits glial activation via moudulating PPARÎ± and promotes motor function recovery after brain ischemia. Pharmacological Research, 2019, 141, 530-540.	3.1	37
40	Effect of Moringa oleifera stem extract on hydrogen peroxide-induced opacity of cultured mouse lens. BMC Complementary and Alternative Medicine, 2019, 19, 144.	3.7	7
41	GRID-seq for comprehensive analysis of global RNAâ€“chromatin interactions. Nature Protocols, 2019, 14, 2036-2068.	5.5	31
42	Moringa oleifera seed extract protects against brain damage in both the acute and delayed stages of ischemic stroke. Experimental Gerontology, 2019, 122, 99-108.	1.2	23
43	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. Genetics in Medicine, 2019, 21, 2345-2354.	1.1	16
44	NRDE2 negatively regulates exosome functions by inhibiting MTR4 recruitment and exosome interaction. Genes and Development, 2019, 33, 536-549.	2.7	34
45	RBFox2-miR-34a-Jph2 axis contributes to cardiac decompensation during heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6172-6180.	3.3	32
46	<scp>ALYREF</scp> links 3â€²â€end processing to nuclear export of nonâ€polyadenylated <scp>mRNA</scp> s. EMBO Journal, 2019, 38, .	3.5	30
47	A U2-snRNPâ€“independent role of SF3b in promoting mRNA export. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7837-7846.	3.3	13
48	Antitumour activity and tolerability of an EphA2-targeted nanotherapeutic in multiple mouse models. Nature Biomedical Engineering, 2019, 3, 264-280.	11.6	40
49	A Translation-Activating Function of MIWI/piRNA during Mouse Spermiogenesis. Cell, 2019, 179, 1566-1581.e16.	13.5	136
50	The Augmented R-Loop Is a Unifying Mechanism for Myelodysplastic Syndromes Induced by High-Risk Splicing Factor Mutations. Molecular Cell, 2018, 69, 412-425.e6.	4.5	203
51	Discovery of internalizing antibodies to basal breast cancer cells. Protein Engineering, Design and Selection, 2018, 31, 17-28.	1.0	4
52	GoldCLIP: Gel-omitted Ligation-dependent CLIP. Genomics, Proteomics and Bioinformatics, 2018, 16, 136-143.	3.0	21
53	A novel class of microRNA-recognition elements that function only within open reading frames. Nature Structural and Molecular Biology, 2018, 25, 1019-1027.	3.6	134
54	SHQ1 regulation of RNA splicing is required for T-lymphoblastic leukemia cell survival. Nature Communications, 2018, 9, 4281.	5.8	24

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55	R-ChIP Using Inactive RNase H Reveals Dynamic Coupling of R-loops with Transcriptional Pausing at Gene Promoters. Molecular Cell, 2017, 68, 745-757.e5.	4.5	263
56	NEAT1 scaffolds RNA-binding proteins and the Microprocessor to globally enhance pri-miRNA processing. Nature Structural and Molecular Biology, 2017, 24, 816-824.	3.6	165
57	Fluorogenic labeling and single-base resolution analysis of 5-formylcytosine in DNA. Chemical Science, 2017, 8, 7443-7447.	3.7	42
58	Enhanced Cardioprotection by Human Endometrium Mesenchymal Stem Cells Driven by Exosomal MicroRNA-21. Stem Cells Translational Medicine, 2017, 6, 209-222.	1.6	217
59	Efficacy of amiodarone and lidocaine for preventing ventricular fibrillation after aortic cross-clamp release in open heart surgery: a meta-analysis of randomized controlled trials. Journal of Zhejiang University: Science B, 2017, 18, 1113-1122.	1.3	4
60	JMJD6 and U2AF65 co-regulate alternative splicing in both JMJD6 enzymatic activity dependent and independent manner. Nucleic Acids Research, 2017, 45, 3503-3518.	6.5	40
61	The RNA binding protein EWS is broadly involved in the regulation of pri-miRNA processing in mammalian cells. Nucleic Acids Research, 2017, 45, 12481-12495.	6.5	26
62	A Novel CRYBB2 Stopgain Mutation Causing Congenital Autosomal Dominant Cataract in a Chinese Family. Journal of Ophthalmology, 2016, 2016, 1-8.	0.6	7
63	CELF RNA binding proteins promote axon regeneration in C. elegans and mammals through alternative splicing of Syntaxins. ELife, 2016, 5, .	2.8	27
64	Toxic gain of function from mutant <scp>FUS</scp> protein is crucial to trigger cell autonomous motor neuron loss. EMBO Journal, 2016, 35, 1077-1097.	3.5	187
65	RBFox2 Binds Nascent RNA to Globally Regulate Polycomb Complex 2 Targeting in Mammalian Genomes. Molecular Cell, 2016, 62, 875-889.	4.5	66
66	A missense variant in FGD6 confers increased risk of polypoidal choroidal vasculopathy. Nature Genetics, 2016, 48, 640-647.	9.4	68
67	Sequential regulatory loops as key gatekeepers for neuronal reprogramming in human cells. Nature Neuroscience, 2016, 19, 807-815.	7.1	88
68	Distinct splicing signatures affect converged pathways in myelodysplastic syndrome patients carrying mutations in different splicing regulators. Rna, 2016, 22, 1535-1549.	1.6	40
69	Whole exome sequencing identified novel CRB1 mutations in Chinese and Indian populations with autosomal recessive retinitis pigmentosa. Scientific Reports, 2016, 6, 33681.	1.6	6
70	Exome Sequencing Identified a RecessiveRDH12Mutation in a Family with Severe Early-Onset Retinitis Pigmentosa. Journal of Ophthalmology, 2015, 2015, 1-7.	0.6	11
71	A fully human scFv phage display library for rapid antibody fragment reformatting. Protein Engineering, Design and Selection, 2015, 28, 307-316.	1.0	22
72	ALS-causative mutations in FUS/TLS confer gain and loss of function by altered association with SMN and U1-snRNP. Nature Communications, 2015, 6, 6171.	5.8	205

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73	SRSF2 Is Essential for Hematopoiesis, and Its Myelodysplastic Syndrome-Related Mutations Dysregulate Alternative Pre-mRNA Splicing. Molecular and Cellular Biology, 2015, 35, 3071-3082.	1.1	92
74	Oncogenic miR-17/20a Forms a Positive Feed-forward Loop with the p53 Kinase DAPK3 to Promote Tumorigenesis. Journal of Biological Chemistry, 2015, 290, 19967-19975.	1.6	21
75	Molecular basis for 5-carboxycytosine recognition by RNA polymerase II elongation complex. Nature, 2015, 523, 621-625.	13.7	141
76	Repression of the Central Splicing Regulator RBFox2 Is Functionally Linked to Pressure Overload-Induced Heart Failure. Cell Reports, 2015, 10, 1521-1533.	2.9	74
77	Whole-exome sequencing reveals a novel frameshift mutation in the FAM161A gene causing autosomal recessive retinitis pigmentosa in the Indian population. Journal of Human Genetics, 2015, 60, 625-630.	1.1	12
78	Context-dependent modulation of Pol II CTD phosphatase SSUP-72 regulates alternative polyadenylation in neuronal development. Genes and Development, 2015, 29, 2377-2390.	2.7	7
79	RBFox1-mediated RNA splicing regulates cardiac hypertrophy and heart failure. Journal of Clinical Investigation, 2015, 126, 195-206.	3.9	114
80	HCV dsRNA-Activated Macrophages Inhibit HCV Replication in Hepatocytes. Hepatitis Monthly, 2015, 15, e29282.	0.1	6
81	Coupling of Transcription with mRNA Processing in time and Space. FASEB Journal, 2015, 29, 238.1.	0.2	0
82	Exome Sequencing Analysis Identifies Compound Heterozygous Mutation in ABCA4 in a Chinese Family with Stargardt Disease. PLoS ONE, 2014, 9, e91962.	1.1	17
83	High Throughput Identification of Monoclonal Antibodies to Membrane Bound and Secreted Proteins Using Yeast and Phage Display. PLoS ONE, 2014, 9, e111339.	1.1	15
84	Pachytene piRNAs instruct massive mRNA elimination during late spermiogenesis. Cell Research, 2014, 24, 680-700.	5.7	344
85	De Novo Prediction of PTBP1 Binding and Splicing Targets Reveals Unexpected Features of Its RNA Recognition and Function. PLoS Computational Biology, 2014, 10, e1003442.	1.5	56
86	Pre-mRNA splicing is facilitated by an optimal RNA polymerase II elongation rate. Genes and Development, 2014, 28, 2663-2676.	2.7	250
87	Anti-MET ImmunoPET for Nonâ€“Small Cell Lung Cancer Using Novel Fully Human Antibody Fragments. Molecular Cancer Therapeutics, 2014, 13, 2607-2617.	1.9	29
88	Overexpression of membrane-type 2 matrix metalloproteinase induced by hypoxia-inducible factor-1Î± in pancreatic cancer: Implications for tumor progression and prognosis. Molecular and Clinical Oncology, 2014, 2, 973-981.	0.4	9
89	Both Decreased and Increased SRPK1 Levels Promote Cancer by Interfering with PHLPP-Mediated Dephosphorylation of Akt. Molecular Cell, 2014, 54, 378-391.	4.5	105
90	Mechanisms for U2AF to define 3â€² splice sites and regulate alternative splicing in the human genome. Nature Structural and Molecular Biology, 2014, 21, 997-1005.	3.6	150

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91	MicroRNA Directly Enhances Mitochondrial Translation during Muscle Differentiation. Cell, 2014, 158, 607-619.	13.5	385
92	Multiplex Analysis of PolyA-Linked Sequences (MAPS): An RNA-Seq Strategy to Profile Poly(A+) RNA. Methods in Molecular Biology, 2014, 1125, 169-178.	0.4	10
93	Flexible RNA design under structure and sequence constraints using formal languages. , 2013, , .		5
94	Direct Conversion of Fibroblasts to Neurons by Reprogramming PTB-Regulated MicroRNA Circuits. Cell, 2013, 152, 82-96.	13.5	508
95	Genome-wide Analysis Reveals SR Protein Cooperation and Competition in Regulated Splicing. Molecular Cell, 2013, 50, 223-235.	4.5	261
96	SR Proteins Collaborate with 7SK and Promoter-Associated Nascent RNA to Release Paused Polymerase. Cell, 2013, 153, 855-868.	13.5	279
97	A Genetic Variant in theSKIV2LGene Is Significantly Associated With Age-Related Macular Degeneration in a Han Chinese Population. , 2013, 54, 2911.		15
98	Impact of Intrinsic Affinity on Functional Binding and Biological Activity of EGFR Antibodies. Molecular Cancer Therapeutics, 2012, 11, 1467-1476.	1.9	54
99	Versatile pathway-centric approach based on high-throughput sequencing to anticancer drug discovery. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4609-4614.	3.3	63
100	Nuclear Matrix Factor hnRNP U/SAF-A Exerts a Global Control of Alternative Splicing by Regulating U2 snRNP Maturation. Molecular Cell, 2012, 45, 656-668.	4.5	146
101	The Akt-SRPK-SR Axis Constitutes a Major Pathway in Transducing EGF Signaling to Regulate Alternative Splicing in the Nucleus. Molecular Cell, 2012, 47, 422-433.	4.5	221
102	A multiplex RNA-seq strategy to profile poly(A+) RNA: Application to analysis of transcription response and 3â€² end formation. Genomics, 2011, 98, 266-271.	1.3	61
103	Transcriptional upregulation of MT2â€MMP in response to hypoxia is promoted by HIFâ€1Î± in cancer cells. Molecular Carcinogenesis, 2011, 50, 770-780.	1.3	37
104	Regulation of splicing enhancer activities by RNA secondary structures. FEBS Letters, 2010, 584, 4401-4407.	1.3	21
105	Internalizing Cancer Antibodies from Phage Libraries Selected on Tumor Cells and Yeast-Displayed Tumor Antigens. Journal of Molecular Biology, 2010, 404, 88-99.	2.0	53
106	Genome-wide Analysis of PTB-RNA Interactions Reveals a Strategy Used by the General Splicing Repressor to Modulate Exon Inclusion or Skipping. Molecular Cell, 2009, 36, 996-1006.	4.5	429
107	An accurate quantitative method for screening effective siRNA probes targeting a Hepatitis B virus transcript in single living cells. Biochemical and Biophysical Research Communications, 2008, 367, 866-873.	1.0	8
108	GISSD: Group I Intron Sequence and Structure Database. Nucleic Acids Research, 2008, 36, D31-D37.	6.5	78

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109	Interactions between the NR2B Receptor and CaMKII Modulate Synaptic Plasticity and Spatial Learning. Journal of Neuroscience, 2007, 27, 13843-13853.	1.7	169
110	Impact of Single-chain Fv Antibody Fragment Affinity on Nanoparticle Targeting of Epidermal Growth Factor Receptor-expressing Tumor Cells. Journal of Molecular Biology, 2007, 371, 934-947.	2.0	164
111	Adding pyrrolysine to the Escherichia coli genetic code. FEBS Letters, 2007, 581, 5282-5288.	1.3	52
112	Spatio-temporal properties of 5-lipoxygenase expression and activation in the brain after focal cerebral ischemia in rats. Life Sciences, 2006, 79, 1645-1656.	2.0	59
113	Caffeic acid ameliorates early and delayed brain injuries after focal cerebral ischemia in rats. Acta Pharmacologica Sinica, 2006, 27, 1103-1110.	2.8	66
114	Characterization of the replicon of a 51-kb native plasmid from the gram-positive bacterium Leifsonia xyli subsp. cynodontis. FEMS Microbiology Letters, 2004, 236, 33-39.	0.7	6