

Hao Zhu

List of Publications by Year in descending order

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64
papers

7,029
citations

81900

39
h-index

102487

66
g-index

72
all docs

72
docs citations

72
times ranked

12102
citing authors

#	ARTICLE	IF	CITATIONS
1	The Lin28/let-7 Axis Regulates Glucose Metabolism. <i>Cell</i> , 2011, 147, 81-94.	28.9	812
2	Influence of Threonine Metabolism on <i>S</i> -Adenosylmethionine and Histone Methylation. <i>Science</i> , 2013, 339, 222-226.	12.6	555
3	Nonviral CRISPR/Cas Gene Editing In Vitro and In Vivo Enabled by Synthetic Nanoparticle Co-Delivery of Cas9 mRNA and sgRNA. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1059-1063.	13.8	411
4	A role for Lin28 in primordial germ-cell development and germ-cell malignancy. <i>Nature</i> , 2009, 460, 909-913.	27.8	354
5	Analysis of thrombocyte development in CD41-GFP transgenic zebrafish. <i>Blood</i> , 2005, 106, 3803-3810.	1.4	341
6	Lin28 Enhances Tissue Repair by Reprogramming Cellular Metabolism. <i>Cell</i> , 2013, 155, 778-792.	28.9	322
7	Lin28a transgenic mice manifest size and puberty phenotypes identified in human genetic association studies. <i>Nature Genetics</i> , 2010, 42, 626-630.	21.4	282
8	Identification of adult nephron progenitors capable of kidney regeneration in zebrafish. <i>Nature</i> , 2011, 470, 95-100.	27.8	258
9	Mutation in the transcriptional coactivator EYA4 causes dilated cardiomyopathy and sensorineural hearing loss. <i>Nature Genetics</i> , 2005, 37, 418-422.	21.4	197
10	Lin28b Is Sufficient to Drive Liver Cancer and Necessary for Its Maintenance in Murine Models. <i>Cancer Cell</i> , 2014, 26, 248-261.	16.8	176
11	Arid1a Has Context-Dependent Oncogenic and Tumor Suppressor Functions in Liver Cancer. <i>Cancer Cell</i> , 2017, 32, 574-589.e6.	16.8	172
12	Somatic Mutations Increase Hepatic Clonal Fitness and Regeneration in Chronic Liver Disease. <i>Cell</i> , 2019, 177, 608-621.e12.	28.9	167
13	Liver homeostasis is maintained by midlobular zone 2 hepatocytes. <i>Science</i> , 2021, 371, .	12.6	154
14	Characterization of embryonic globin genes of the zebrafish. <i>Developmental Biology</i> , 2003, 255, 48-61.	2.0	150
15	Lin28 sustains early renal progenitors and induces Wilms tumor. <i>Genes and Development</i> , 2014, 28, 971-982.	5.9	149
16	Dendrimer-Based Lipid Nanoparticles Deliver Therapeutic FAH mRNA to Normalize Liver Function and Extend Survival in a Mouse Model of Hepatorenal Tyrosinemia Type I. <i>Advanced Materials</i> , 2018, 30, e1805308.	21.0	136
17	Modular degradable dendrimers enable small RNAs to extend survival in an aggressive liver cancer model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 520-525.	7.1	125
18	The Polyploid State Plays a Tumor-Suppressive Role in the Liver. <i>Developmental Cell</i> , 2018, 44, 447-459.e5.	7.0	125

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19	A targetable LIFR ^{hi} NF- κ B ^{hi} LCN2 axis controls liver tumorigenesis and vulnerability to ferroptosis. <i>Nature Communications</i> , 2021, 12, 7333.	12.8	117
20	Fetal Deficiency of Lin28 Programs Life-Long Aberrations in Growth and Glucose Metabolism. <i>Stem Cells</i> , 2013, 31, 1563-1573.	3.2	112
21	Suppression of the SWI/SNF Component Arid1a Promotes Mammalian Regeneration. <i>Cell Stem Cell</i> , 2016, 18, 456-466.	11.1	112
22	A network of heterochronic genes including Imp1 regulates temporal changes in stem cell properties. <i>ELife</i> , 2013, 2, e00924.	6.0	109
23	Investigating monogenic and complex diseases with pluripotent stem cells. <i>Nature Reviews Genetics</i> , 2011, 12, 266-275.	16.3	101
24	Regulation of the lmo2 promoter during hematopoietic and vascular development in zebrafish. <i>Developmental Biology</i> , 2005, 281, 256-269.	2.0	95
25	Hepatocellular Carcinoma Demonstrates Heterogeneous Growth Patterns in a Multicenter Cohort of Patients With Cirrhosis. <i>Hepatology</i> , 2020, 72, 1654-1665.	7.3	93
26	LIN28 cooperates with WNT signaling to drive invasive intestinal and colorectal adenocarcinoma in mice and humans. <i>Genes and Development</i> , 2015, 29, 1074-1086.	5.9	92
27	Knockdown of Anillin Actin Binding Protein Blocks Cytokinesis in Hepatocytes and Reduces Liver Tumor Development in Mice Without Affecting Regeneration. <i>Gastroenterology</i> , 2018, 154, 1421-1434.	1.3	88
28	Enhancing CRISPR/Cas gene editing through modulating cellular mechanical properties for cancer therapy. <i>Nature Nanotechnology</i> , 2022, 17, 777-787.	31.5	80
29	Arid1b haploinsufficient mice reveal neuropsychiatric phenotypes and reversible causes of growth impairment. <i>ELife</i> , 2017, 6, .	6.0	74
30	Mitotic regulators and the SHP2-MAPK pathway promote IR endocytosis and feedback regulation of insulin signaling. <i>Nature Communications</i> , 2019, 10, 1473.	12.8	71
31	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , 2019, 20, 171.	8.8	69
32	SWI/SNF component <i>ARID1A</i> restrains pancreatic neoplasia formation. <i>Gut</i> , 2019, 68, 1259-1270.	12.1	63
33	Mice With Increased Numbers of Polyploid Hepatocytes Maintain Regenerative Capacity But Develop Fewer Hepatocellular Carcinomas Following Chronic Liver Injury. <i>Gastroenterology</i> , 2020, 158, 1698-1712.e14.	1.3	55
34	Lin28 and let-7 in cell metabolism and cancer. <i>Translational Pediatrics</i> , 2015, 4, 4-11.	1.2	55
35	Precise let-7 expression levels balance organ regeneration against tumor suppression. <i>ELife</i> , 2015, 4, e09431.	6.0	53
36	Sex-specific regulation of weight and puberty by the Lin28/let-7 axis. <i>Journal of Endocrinology</i> , 2016, 228, 179-191.	2.6	52

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37	Hepatic Arterial Infusion of Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles Selectively Disrupts Redox Balance in Hepatoma Cells and Reduces Growth of Orthotopic Liver Tumors in Rats. <i>Gastroenterology</i> , 2016, 150, 488-498.	1.3	51
38	BMP signaling restricts hemato-vascular development from lateral mesoderm during somitogenesis. <i>Development (Cambridge)</i> , 2006, 133, 2177-2187.	2.5	46
39	DNA Repair Gene Mutations as Predictors of Immune Checkpoint Inhibitor Response beyond Tumor Mutation Burden. <i>Cell Reports Medicine</i> , 2020, 1, 100034.	6.5	46
40	Non-viral CRISPR/Cas Gene Editing In Vitro and In Vivo Enabled by Synthetic Nanoparticle Co-delivery of Cas9 mRNA and sgRNA. <i>Angewandte Chemie</i> , 2017, 129, 1079-1083.	2.0	41
41	The origins and functions of hepatic polyploidy. <i>Cell Cycle</i> , 2019, 18, 1302-1315.	2.6	33
42	Guanosine triphosphate links MYC-dependent metabolic and ribosome programs in small-cell lung cancer. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	33
43	A Variant in PNPLA3 Associated With Fibrosis Progression but not Hepatocellular Carcinoma in Patients With Hepatitis C Virus Infection. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 295-300.	4.4	31
44	Vascular Invasion and Metastasis is Predictive of Outcome in Barcelona Clinic Liver Cancer Stage C Hepatocellular Carcinoma. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2017, 15, 197-204.	4.9	31
45	NLRP12 suppresses hepatocellular carcinoma via downregulation of cJun N-terminal kinase activation in the hepatocyte. <i>ELife</i> , 2019, 8, .	6.0	29
46	TALEN-Mediated Somatic Mutagenesis in Murine Models of Cancer. <i>Cancer Research</i> , 2014, 74, 5311-5321.	0.9	26
47	Dual ARID1A/ARID1B loss leads to rapid carcinogenesis and disruptive redistribution of BAF complexes. <i>Nature Cancer</i> , 2020, 1, 909-922.	13.2	24
48	Hispanic/Latino Patients with Gastric Adenocarcinoma Have Distinct Molecular Profiles Including a High Rate of Germline <i>CDH1</i> Variants. <i>Cancer Research</i> , 2020, 80, 2114-2124.	0.9	21
49	Immune Checkpoint Inhibition is Safe and Effective for Liver Cancer Prevention in a Mouse Model of Hepatocellular Carcinoma. <i>Cancer Prevention Research</i> , 2020, 13, 911-922.	1.5	20
50	Arid1a Loss Drives Nonalcoholic Steatohepatitis in Mice Through Epigenetic Dysregulation of Hepatic Lipogenesis and Fatty Acid Oxidation. <i>Hepatology</i> , 2019, 69, 1931-1945.	7.3	19
51	Efficacy and Safety of Bavituximab in Combination with Sorafenib in Advanced Hepatocellular Carcinoma: A Single-Arm, Open-Label, Phase II Clinical Trial. <i>Targeted Oncology</i> , 2019, 14, 541-550.	3.6	18
52	In vivo CRISPR screening identifies BAZ2 chromatin remodelers as druggable regulators of mammalian liver regeneration. <i>Cell Stem Cell</i> , 2022, 29, 372-385.e8.	11.1	18
53	Uncovering Biological Factors That Regulate Hepatocellular Carcinoma Growth Using Patient-Derived Xenograft Assays. <i>Hepatology</i> , 2020, 72, 1085-1101.	7.3	16
54	Risk of Hepatocellular Carcinoma in Patients With Indeterminate (LI-RADS 3) Liver Observations. <i>Clinical Gastroenterology and Hepatology</i> , 2023, 21, 1091-1093.e3.	4.4	15

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55	Overcoming Expressional Drop-outs in Lineage Reconstruction from Single-Cell RNA-Sequencing Data. Cell Reports, 2021, 34, 108589.	6.4	13
56	A Malignant Case of Arrested Development: Cancer Cell Dormancy Mimics Embryonic Diapause. Cancer Cell, 2021, 39, 142-144.	16.8	11
57	Use of the DsRed Fluorescent Reporter in Zebrafish. Methods in Cell Biology, 2004, 76, 3-12.	1.1	10
58	High Neutrophilâ€“Lymphocyte Ratio and Delta Neutrophilâ€“Lymphocyte Ratio Are Associated with Increased Mortality in Patients with Hepatocellular Cancer. Digestive Diseases and Sciences, 2021, , 1.	2.3	8
59	Genetic and Cellular Contributions to Liver Regeneration. Cold Spring Harbor Perspectives in Biology, 2021, , a040832.	5.5	5
60	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€œ. Genome Biology, 2021, 22, 99.	8.8	4
61	Lenvatinib inhibits the growth of gastric cancer patient-derived xenografts generated from a heterogeneous population. Journal of Translational Medicine, 2022, 20, 116.	4.4	3
62	Cytokinesis and the Hippo Pathway: New Molecular Links Between Intimate Partners. Gastroenterology, 2018, 155, 976-978.	1.3	2
63	Cutting short the path to murine liver cancer models. Hepatology, 2015, 61, 393-395.	7.3	1
64	Translational Advances in Cancer Prevention Agent Development (TACPAD) Virtual Workshop on Immunomodulatory Agents: Report. Journal of Cancer Prevention, 2021, 26, 309-317.	2.0	1