

Guang Hu

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,316
citations

201385

27
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

9598
citing authors

#	ARTICLE	IF	CITATIONS
1	Second-generation shRNA libraries covering the mouse and human genomes. <i>Nature Genetics</i> , 2005, 37, 1281-1288.	9.4	582
2	The pINDUCER lentiviral toolkit for inducible RNA interference in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3665-3670.	3.3	570
3	A lentiviral microRNA-based system for single-copy polymerase II-regulated RNA interference in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13212-13217.	3.3	515
4	Cancer Proliferation Gene Discovery Through Functional Genomics. <i>Science</i> , 2008, 319, 620-624.	6.0	365
5	A genome-wide RNAi screen identifies a new transcriptional module required for self-renewal. <i>Genes and Development</i> , 2009, 23, 837-848.	2.7	354
6	SCF ^{β2} -TRCP controls oncogenic transformation and neural differentiation through REST degradation. <i>Nature</i> , 2008, 452, 370-374.	13.7	289
7	Evidence for hormonal control of heart regenerative capacity during endothermy acquisition. <i>Science</i> , 2019, 364, 184-188.	6.0	252
8	Activation of Multiple Proto-oncogenic Tyrosine Kinases in Breast Cancer via Loss of the PTPN12 Phosphatase. <i>Cell</i> , 2011, 144, 703-718.	13.5	246
9	Tyrosine phosphatase SHP2 promotes breast cancer progression and maintains tumor-initiating cells via activation of key transcription factors and a positive feedback signaling loop. <i>Nature Medicine</i> , 2012, 18, 529-537.	15.2	224
10	R9AP, a membrane anchor for the photoreceptor GTPase accelerating protein, RGS9-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9755-9760.	3.3	164
11	Pausing of RNA Polymerase II Regulates Mammalian Developmental Potential through Control of Signaling Networks. <i>Molecular Cell</i> , 2015, 58, 311-322.	4.5	155
12	INO80 Facilitates Pluripotency Gene Activation in Embryonic Stem Cell Self-Renewal, Reprogramming, and Blastocyst Development. <i>Cell Stem Cell</i> , 2014, 14, 575-591.	5.2	148
13	Fip1 regulates mRNA alternative polyadenylation to promote stem cell self-renewal. <i>EMBO Journal</i> , 2014, 33, 878-889.	3.5	136
14	TRIM28 regulates RNA polymerase II promoter-proximal pausing and pause release. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 876-883.	3.6	125
15	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. <i>Cell</i> , 2018, 172, 106-120.e21.	13.5	123
16	NuRD and Pluripotency: A Complex Balancing Act. <i>Cell Stem Cell</i> , 2012, 10, 497-503.	5.2	99
17	The THO Complex Regulates Pluripotency Gene mRNA Export and Controls Embryonic Stem Cell Self-Renewal and Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2013, 13, 676-690.	5.2	85
18	Acute depletion of Tet1-dependent 5-hydroxymethylcytosine levels impairs LIF/Stat3 signaling and results in loss of embryonic stem cell identity. <i>Nucleic Acids Research</i> , 2012, 40, 3364-3377.	6.5	84

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19	Activation of RGS9-1GTPase Acceleration by Its Membrane Anchor, R9AP. <i>Journal of Biological Chemistry</i> , 2003, 278, 14550-14554.	1.6	69
20	INO80 governs superenhancer-mediated oncogenic transcription and tumor growth in melanoma. <i>Genes and Development</i> , 2016, 30, 1440-1453.	2.7	65
21	Cnot1, Cnot2, and Cnot3 Maintain Mouse and Human ESC Identity and Inhibit Extraembryonic Differentiation. <i>Stem Cells</i> , 2012, 30, 910-922.	1.4	63
22	SIRT1-Mediated Deacetylation of CRABP II Regulates Cellular Retinoic Acid Signaling and Modulates Embryonic Stem Cell Differentiation. <i>Molecular Cell</i> , 2014, 55, 843-855.	4.5	60
23	A Serial shRNA Screen for Roadblocks to Reprogramming Identifies the Protein Modifier SUMO2. <i>Stem Cell Reports</i> , 2016, 6, 704-716.	2.3	50
24	Rif1 promotes a repressive chromatin state to safeguard against endogenous retrovirus activation. <i>Nucleic Acids Research</i> , 2017, 45, 12723-12738.	6.5	49
25	RNA polymerase II promoter-proximal pausing in mammalian long non-coding genes. <i>Genomics</i> , 2016, 108, 64-77.	1.3	44
26	Phosphorylation of RGS9-1 by an Endogenous Protein Kinase in Rod Outer Segments. <i>Journal of Biological Chemistry</i> , 2001, 276, 22287-22295.	1.6	40
27	Post-transcriptional regulation of the pluripotent state. <i>Current Opinion in Genetics and Development</i> , 2017, 46, 15-23.	1.5	35
28	Knowledge-Based Analysis for Detecting Key Signaling Events from Time-Series Phosphoproteomics Data. <i>PLoS Computational Biology</i> , 2015, 11, e1004403.	1.5	32
29	Apoptosis in the fetal testis eliminates developmentally defective germ cell clones. <i>Nature Cell Biology</i> , 2020, 22, 1423-1435.	4.6	31
30	CNOT3-Dependent mRNA Deadenylation Safeguards the Pluripotent State. <i>Stem Cell Reports</i> , 2016, 7, 897-910.	2.3	29
31	Dioxin and AHR impairs mesoderm gene expression and cardiac differentiation in human embryonic stem cells. <i>Science of the Total Environment</i> , 2019, 651, 1038-1046.	3.9	29
32	Identification of Protein Kinase C Isozymes Responsible for the Phosphorylation of Photoreceptor-specific RGS9-1 at Ser475. <i>Journal of Biological Chemistry</i> , 2003, 278, 8316-8325.	1.6	26
33	Integrative framework for identification of key cell identity genes uncovers determinants of ES cell identity and homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1581-90.	3.3	26
34	A primer on using pooled shRNA libraries for functional genomic screens. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 103-112.	0.9	24
35	RNAi-based functional selection identifies novel cell migration determinants dependent on PI3K and AKT pathways. <i>Nature Communications</i> , 2014, 5, 5217.	5.8	24
36	USP7 negatively controls global DNA methylation by attenuating ubiquitinated histone-dependent DNMT1 recruitment. <i>Cell Discovery</i> , 2020, 6, 58.	3.1	23

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37	Adrenergic-Thyroid Hormone Interactions Drive Postnatal Thermogenesis and Loss of Mammalian Heart Regenerative Capacity. <i>Circulation</i> , 2021, 144, 1000-1003.	1.6	17
38	INO80 promotes H2A.Z occupancy to regulate cell fate transition in pluripotent stem cells. <i>Nucleic Acids Research</i> , 2021, 49, 6739-6755.	6.5	15
39	Cnot3 enhances human embryonic cardiomyocyte proliferation by promoting cell cycle inhibitor mRNA degradation. <i>Scientific Reports</i> , 2017, 7, 1500.	1.6	10
40	Characterization of R9AP, a Membrane Anchor for the Photoreceptor GTPase-Accelerating Protein, RGS9-1. <i>Methods in Enzymology</i> , 2004, 390, 178-196.	0.4	9
41	Transcription coactivator Cited1 acts as an inducer of trophoblast-like state from mouse embryonic stem cells through the activation of BMP signaling. <i>Cell Death and Disease</i> , 2018, 9, 924.	2.7	9
42	Oct4GiP Reporter Assay to Study Genes that Regulate Mouse Embryonic Stem Cell Maintenance and Self-renewal. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	7
43	An analysis and validation pipeline for large-scale RNAi-based screens. <i>Scientific Reports</i> , 2013, 3, 1076.	1.6	5
44	Remodeling super-enhancers and oncogenic transcription. <i>Cell Cycle</i> , 2016, 15, 3157-3158.	1.3	3
45	Use of Genome-Wide RNAi Screens to Identify Regulators of Embryonic Stem Cell Pluripotency and Self-Renewal. <i>Methods in Molecular Biology</i> , 2014, 1150, 163-173.	0.4	2
46	Maintenance of Human Embryonic Stem Cell Identity and Inhibition of Extraembryonic Differentiation: Role of CNOT1, CNOT2 and CNOT3. <i>Stem Cells and Cancer Stem Cells</i> , 2014, , 3-14.	0.1	2
47	Visualization, benchmarking and characterization of nested single-cell heterogeneity as dynamic forest mixtures. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	2
48	Genomic Effects of Arginine on Cell Behavior of Conceptus Trophectoderm in Ungulates. <i>Journal of Animal Science</i> , 2021, 99, 27-27.	0.2	0