Guang Hu

List of Publications by Year in descending order

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Силыс Ни

#	Article	IF	CITATIONS
1	Second-generation shRNA libraries covering the mouse and human genomes. Nature Genetics, 2005, 37, 1281-1288.	21.4	582
2	The pINDUCER lentiviral toolkit for inducible RNA interference in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3665-3670.	7.1	570
3	A lentiviral microRNA-based system for single-copy polymerase II-regulated RNA interference in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13212-13217.	7.1	515
4	Cancer Proliferation Gene Discovery Through Functional Genomics. Science, 2008, 319, 620-624.	12.6	365
5	A genome-wide RNAi screen identifies a new transcriptional module required for self-renewal. Genes and Development, 2009, 23, 837-848.	5.9	354
6	SCFβ-TRCP controls oncogenic transformation and neural differentiation through REST degradation. Nature, 2008, 452, 370-374.	27.8	289
7	Evidence for hormonal control of heart regenerative capacity during endothermy acquisition. Science, 2019, 364, 184-188.	12.6	252
8	Activation of Multiple Proto-oncogenic Tyrosine Kinases in Breast Cancer via Loss of the PTPN12 Phosphatase. Cell, 2011, 144, 703-718.	28.9	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. Nature Medicine, 2012, 18, 529-537.	30.7	224
10	R9AP, a membrane anchor for the photoreceptor GTPase accelerating protein, RGS9-1. Proceedings of the United States of America, 2002, 99, 9755-9760.	7.1	164
11	Pausing of RNA Polymerase II Regulates Mammalian Developmental Potential through Control of Signaling Networks. Molecular Cell, 2015, 58, 311-322.	9.7	155
12	INO80 Facilitates Pluripotency Gene Activation in Embryonic Stem Cell Self-Renewal, Reprogramming, and Blastocyst Development. Cell Stem Cell, 2014, 14, 575-591.	11.1	148
13	Fip1 regulates mRNA alternative polyadenylation to promote stem cell self-renewal. EMBO Journal, 2014, 33, 878-889.	7.8	136
14	TRIM28 regulates RNA polymerase II promoter-proximal pausing and pause release. Nature Structural and Molecular Biology, 2014, 21, 876-883.	8.2	125
15	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. Cell, 2018, 172, 106-120.e21.	28.9	123
16	NuRD and Pluripotency: A Complex Balancing Act. Cell Stem Cell, 2012, 10, 497-503.	11.1	99
17	The THO Complex Regulates Pluripotency Gene mRNA Export and Controls Embryonic Stem Cell Self-Renewal and Somatic Cell Reprogramming. Cell Stem Cell, 2013, 13, 676-690.	11.1	85
18	Acute depletion of Tet1-dependent 5-hydroxymethylcytosine levels impairs LIF/Stat3 signaling and results in loss of embryonic stem cell identity. Nucleic Acids Research, 2012, 40, 3364-3377.	14.5	84

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19	Activation of RGS9-1GTPase Acceleration by Its Membrane Anchor, R9AP. Journal of Biological Chemistry, 2003, 278, 14550-14554.	3.4	69
20	INO80 governs superenhancer-mediated oncogenic transcription and tumor growth in melanoma. Genes and Development, 2016, 30, 1440-1453.	5.9	65
21	Cnot1, Cnot2, and Cnot3 Maintain Mouse and Human ESC Identity and Inhibit Extraembryonic Differentiation. Stem Cells, 2012, 30, 910-922.	3.2	63
22	SIRT1-Mediated Deacetylation of CRABPII Regulates Cellular Retinoic Acid Signaling and Modulates Embryonic Stem Cell Differentiation. Molecular Cell, 2014, 55, 843-855.	9.7	60
23	A Serial shRNA Screen for Roadblocks to Reprogramming Identifies the Protein Modifier SUMO2. Stem Cell Reports, 2016, 6, 704-716.	4.8	50
24	Rif1 promotes a repressive chromatin state to safeguard against endogenous retrovirus activation. Nucleic Acids Research, 2017, 45, 12723-12738.	14.5	49
25	RNA polymerase II promoter-proximal pausing in mammalian long non-coding genes. Genomics, 2016, 108, 64-77.	2.9	44
26	Phosphorylation of RGS9-1 by an Endogenous Protein Kinase in Rod Outer Segments. Journal of Biological Chemistry, 2001, 276, 22287-22295.	3.4	40
27	Post-transcriptional regulation of the pluripotent state. Current Opinion in Genetics and Development, 2017, 46, 15-23.	3.3	35
28	Knowledge-Based Analysis for Detecting Key Signaling Events from Time-Series Phosphoproteomics Data. PLoS Computational Biology, 2015, 11, e1004403.	3.2	32
29	Apoptosis in the fetal testis eliminates developmentally defective germ cell clones. Nature Cell Biology, 2020, 22, 1423-1435.	10.3	31
30	CNOT3-Dependent mRNA Deadenylation Safeguards the Pluripotent State. Stem Cell Reports, 2016, 7, 897-910.	4.8	29
31	Dioxin and AHR impairs mesoderm gene expression and cardiac differentiation in human embryonic stem cells. Science of the Total Environment, 2019, 651, 1038-1046.	8.0	29
32	Identification of Protein Kinase C Isozymes Responsible for the Phosphorylation of Photoreceptor-specific RGS9-1 at Ser475. Journal of Biological Chemistry, 2003, 278, 8316-8325.	3.4	26
33	Integrative framework for identification of key cell identity genes uncovers determinants of ES cell identity and homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1581-90.	7.1	26
34	A primer on using pooled shRNA libraries for functional genomic screens. Acta Biochimica Et Biophysica Sinica, 2012, 44, 103-112.	2.0	24
35	RNAi-based functional selection identifies novel cell migration determinants dependent on PI3K and AKT pathways. Nature Communications, 2014, 5, 5217.	12.8	24
36	USP7 negatively controls global DNA methylation by attenuating ubiquitinated histone-dependent DNMT1 recruitment. Cell Discovery, 2020, 6, 58.	6.7	23

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37	Adrenergic-Thyroid Hormone Interactions Drive Postnatal Thermogenesis and Loss of Mammalian Heart Regenerative Capacity. Circulation, 2021, 144, 1000-1003.	1.6	17
38	INO80 promotes H2A.Z occupancy to regulate cell fate transition in pluripotent stem cells. Nucleic Acids Research, 2021, 49, 6739-6755.	14.5	15
39	Cnot3 enhances human embryonic cardiomyocyte proliferation by promoting cell cycle inhibitor mRNA degradation. Scientific Reports, 2017, 7, 1500.	3.3	10
40	Characterization of R9AP, a Membrane Anchor for the Photoreceptor GTPase-Accelerating Protein, RGS9-1. Methods in Enzymology, 2004, 390, 178-196.	1.0	9
41	Transcription coactivator Cited1 acts as an inducer of trophoblast-like state from mouse embryonic stem cells through the activation of BMP signaling. Cell Death and Disease, 2018, 9, 924.	6.3	9
42	Oct4GiP Reporter Assay to Study Genes that Regulate Mouse Embryonic Stem Cell Maintenance and Self-renewal. Journal of Visualized Experiments, 2012, , .	0.3	7
43	An analysis and validation pipeline for large-scale RNAi-based screens. Scientific Reports, 2013, 3, 1076.	3.3	5
44	Remodeling super-enhancers and oncogenic transcription. Cell Cycle, 2016, 15, 3157-3158.	2.6	3
45	Use of Genome-Wide RNAi Screens to Identify Regulators of Embryonic Stem Cell Pluripotency and Self-Renewal. Methods in Molecular Biology, 2014, 1150, 163-173.	0.9	2
46	Maintenance of Human Embryonic Stem Cell Identity and Inhibition of Extraembryonic Differentiation: Role of CNOT1, CNOT2 and CNOT3. Stem Cells and Cancer Stem Cells, 2014, , 3-14.	0.1	2
47	Visualization, benchmarking and characterization of nested single-cell heterogeneity as dynamic forest mixtures. Briefings in Bioinformatics, 2022, 23, .	6.5	2
48	Genomic Effects of Arginine on Cell Behavior of Conceptus Trophectoderm in Ungulates. Journal of Animal Science, 2021, 99, 27-27.	0.5	0