Xiaojiang Xu

List of Publications by Year
in descending order

46 papers	2,397 citations	218677 26 h-index	223800 46 g-index
49 all docs	49 docs citations	49 times ranked	4488 citing authors

#	Article	IF	Citations
1	Visualization, benchmarking and characterization of nested single-cell heterogeneity as dynamic forest mixtures. Briefings in Bioinformatics, 2022, 23, .	6.5	2
2	Chronic restraint stress produces sex-specific behavioral and molecular outcomes in the dorsal and ventral rat hippocampus. Neurobiology of Stress, 2022, 17, 100440.	4.0	14
3	SIRT1 regulates cardiomyocyte alignment during maturation. Journal of Cell Science, 2022, 135, .	2.0	2
4	A multicenter study benchmarking single-cell RNA sequencing technologies using reference samples. Nature Biotechnology, 2021, 39, 1103-1114.	17.5	69
5	The TGF-Î² superfamily cytokine Activin-A is induced during autoimmune neuroinflammation and drives pathogenic Th17 cell differentiation. Immunity, 2021, 54, 308-323.e6.	14.3	46
6	Histone crotonylation promotes mesoendodermal commitment of human embryonic stem cells. Cell Stem Cell, 2021, 28, 748-763.e7.	11.1	59
7	SIRT1 regulates sphingolipid metabolism and neural differentiation of mouse embryonic stem cells through c-Myc-SMPDL3B. ELife, 2021, 10, .	6.0	22
8	Glucocorticoids and Androgens Protect From Gastric Metaplasia by Suppressing Group 2 Innate Lymphoid Cell Activation. Gastroenterology, 2021, 161, 637-652.e4.	1.3	25
9	Combinatorial actions of glucocorticoid and mineralocorticoid stress hormone receptors are required for preventing neurodegeneration of the mouse hippocampus. Neurobiology of Stress, 2021, 15, 100369.	4.0	11
10	Intestinal epithelial glucocorticoid receptor promotes chronic inflammationâ€"associated colorectal cancer. JCI Insight, 2021, 6, .	5.0	9
11	RDense: A Protein-RNA Binding Prediction Model Based on Bidirectional Recurrent Neural Network and Densely Connected Convolutional Networks. IEEE Access, 2020, 8, 14588-14605.	4.2	21
12	The SKI proto-oncogene restrains the resident CD103+CD8+ T cell response in viral clearance. Cellular and Molecular Immunology, 2020, 18, 2410-2421.	10.5	11
13	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. Cell Metabolism, 2020, 31, 564-579.e7.	16.2	130
14	scRNA-seq Profiling of Human Testes Reveals the Presence of the ACE2 Receptor, A Target for SARS-CoV-2 Infection in Spermatogonia, Leydig and Sertoli Cells. Cells, 2020, 9, 920.	4.1	464
15	Deletion of the Cardiomyocyte Glucocorticoid Receptor Leads to Sexually Dimorphic Changes in Cardiac Gene Expression and Progression to Heart Failure. Journal of the American Heart Association, 2019, 8, e011012.	3.7	24
16	Mass spectrometric identification of candidate RNA-binding proteins associated with Transition Nuclear Protein mRNA in the mouse testis. Scientific Reports, 2019, 9, 13618.	3.3	5
17	DNA methylation in mice is influenced by genetics as well as sex and life experience. Nature Communications, 2019, 10, 305.	12.8	40
18	Cardiomyocyte glucocorticoid and mineralocorticoid receptors directly and antagonistically regulate heart disease in mice. Science Signaling, 2019, 12, .	3.6	75

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19	Silencing of maternal hepatic glucocorticoid receptor is essential for normal fetal development in mice. Communications Biology, 2019, 2, 104.	4.4	9
20	Sertoli cell-only phenotype and scRNA-seq define PRAMEF12 as a factor essential for spermatogenesis in mice. Nature Communications, 2019, 10, 5196.	12.8	35
21	Inhibition of miR-378a-3p by Inflammation Enhances IL-33 Levels: A Novel Mechanism of Alarmin Modulation in Ulcerative Colitis. Frontiers in Immunology, 2019, 10, 2449.	4.8	37
22	Endogenous glucocorticoids prevent gastric metaplasia by suppressing spontaneous inflammation. Journal of Clinical Investigation, 2019, 129, 1345-1358.	8.2	28
23	Estrogen Deficiency Promotes Hepatic Steatosis via a Glucocorticoid Receptor-Dependent Mechanism in Mice. Cell Reports, 2018, 22, 2690-2701.	6.4	68
24	MicroRNA Profiling and Bioinformatics Target Analysis in Dorsal Hippocampus of Chronically Stressed Rats: Relevance to Depression Pathophysiology. Frontiers in Molecular Neuroscience, 2018, 11, 251.	2.9	24
25	Glucocorticoids Impair Phagocytosis and Inflammatory Response Against Crohn's Disease-Associated Adherent-Invasive Escherichia coli. Frontiers in Immunology, 2018, 9, 1026.	4.8	24
26	Haploinsufficiency of SIRT1 Enhances Glutamine Metabolism and Promotes Cancer Development. Current Biology, 2017, 27, 483-494.	3.9	59
27	Endoglin Mediates Vascular Maturation by Promoting Vascular Smooth Muscle Cell Migration and Spreading. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1115-1126.	2.4	27
28	Intestinal Epithelial Sirtuin 1 Regulates Intestinal Inflammation During Aging in Mice by Altering the Intestinal Microbiota. Gastroenterology, 2017, 153, 772-786.	1.3	123
29	The phosphorylation status of T522 modulates tissue-specific functions of <scp>SIRT</scp> 1 in energy metabolism in mice. EMBO Reports, 2017, 18, 841-857.	4.5	7
30	Reversing SKI–SMAD4-mediated suppression is essential for TH17 cell differentiation. Nature, 2017, 551, 105-109.	27.8	88
31	Methionine metabolism is essential for <scp>SIRT</scp> 1-regulated mouse embryonic stem cell maintenance and embryonic development. EMBO Journal, 2017, 36, 3175-3193.	7.8	71
32	Generating diversity in human glucocorticoid signaling through a racially diverse polymorphism in the beta isoform of the glucocorticoid receptor. Laboratory Investigation, 2017, 97, 1282-1295.	3.7	5
33	Glucocorticoid action in human corneal epithelial cells establishes roles for corticosteroids in wound healing and barrier function of the eye. Experimental Eye Research, 2016, 152, 10-33.	2.6	38
34	Krüppel-like Factor 13 Is a Major Mediator of Glucocorticoid Receptor Signaling in Cardiomyocytes and Protects These Cells from DNA Damage and Death. Journal of Biological Chemistry, 2016, 291, 19374-19386.	3.4	30
35	Reproductive toxicity of low level bisphenol A exposures in a two-generation zebrafish assay: Evidence of male-specific effects. Aquatic Toxicology, 2015, 169, 204-214.	4.0	93
36	Activin Upregulation by NF-κB Is Required to Maintain Mesenchymal Features of Cancer Stem–like Cells in Non–Small Cell Lung Cancer. Cancer Research, 2015, 75, 426-435.	0.9	73

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37	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
38	Tolerogenic Properties of Lymphatic Endothelial Cells Are Controlled by the Lymph Node Microenvironment. PLoS ONE, 2014, 9, e87740.	2.5	95
39	Epigenetic coordination of signaling pathways during the epithelial-mesenchymal transition. Epigenetics and Chromatin, 2013, 6, 28.	3.9	42
40	Global Gene Expression Analysis in Human Uterine Epithelial Cells Defines New Targets of Glucocorticoid and Estradiol Antagonism1. Biology of Reproduction, 2013, 89, 66.	2.7	39
41	Reelin is a target of polyglutamine expanded ataxin-7 in human spinocerebellar ataxia type 7 (SCA7) astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21319-21324.	7.1	42
42	Quantification of histone modification ChIP-seq enrichment for data mining and machine learning applications. BMC Research Notes, 2011, 4, 288.	1.4	10
43	Application of machine learning methods to histone methylation ChIP-Seq data reveals H4R3me2 globally represses gene expression. BMC Bioinformatics, 2010, 11, 396.	2.6	74
44	Proteomic Signatures of Epidermal Growth Factor Receptor and Survival Signal Pathways Correspond to Gefitinib Sensitivity in Head and Neck Cancer. Clinical Cancer Research, 2009, 15, 2361-2372.	7.0	55
45	Gene Set Expression Comparison kit for BRB-ArrayTools. Bioinformatics, 2008, 24, 137-139.	4.1	52
46	Learning module networks from genome-wide location and expression data. FEBS Letters, 2004, 578, 297-304.	2.8	48