Eric E Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	4,960 citations	201575 27 h-index	254106 43 g-index
43 all docs	43 docs citations	43 times ranked	6172 citing authors

#	Article	IF	Citations
1	Intercellular Coupling Confers Robustness against Mutations in the SCN Circadian Clock Network. Cell, 2007, 129, 605-616.	13.5	676
2	Cryptochrome mediates circadian regulation of cAMP signaling and hepatic gluconeogenesis. Nature Medicine, 2010, 16, 1152-1156.	15.2	465
3	A Genome-wide RNAi Screen for Modifiers of the Circadian Clock in Human Cells. Cell, 2009, 139, 199-210.	13.5	437
4	Clocks not winding down: unravelling circadian networks. Nature Reviews Molecular Cell Biology, 2010, 11, 764-776.	16.1	394
5	Redundant Function of REV-ERBÎ± and Î² and Non-Essential Role for Bmal1 Cycling in Transcriptional Regulation of Intracellular Circadian Rhythms. PLoS Genetics, 2008, 4, e1000023.	1.5	347
6	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	1.4	237
7	Neuronal Shp2 tyrosine phosphatase controls energy balance and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16064-16069.	3.3	226
8	High-Throughput Chemical Screen Identifies a Novel Potent Modulator of Cellular Circadian Rhythms and Reveals CKIÎ± as a Clock Regulatory Kinase. PLoS Biology, 2010, 8, e1000559.	2.6	216
9	Reciprocal Regulation between the Circadian Clock and Hypoxia Signaling at the Genome Level in Mammals. Cell Metabolism, 2017, 25, 73-85.	7.2	215
10	Identification of entacapone as a chemical inhibitor of FTO mediating metabolic regulation through FOXO1. Science Translational Medicine, 2019, 11, .	5.8	201
11	Emergence of Noise-Induced Oscillations in the Central Circadian Pacemaker. PLoS Biology, 2010, 8, e1000513.	2.6	172
12	Deletion of Shp2 in the Brain Leads to Defective Proliferation and Differentiation in Neural Stem Cells and Early Postnatal Lethality. Molecular and Cellular Biology, 2007, 27, 6706-6717.	1.1	124
13	The circadian clock gene Bmal1 acts as a potential anti-oncogene in pancreatic cancer by activating the p53 tumor suppressor pathway. Cancer Letters, 2016, 371, 314-325.	3.2	124
14	Identification of Shp-2 as a Stat5A Phosphatase. Journal of Biological Chemistry, 2003, 278, 16520-16527.	1.6	106
15	Concerted Functions of Gab1 and Shp2 in Liver Regeneration and Hepatoprotection. Molecular and Cellular Biology, 2006, 26, 4664-4674.	1.1	106
16	Bud specific N-sulfation of heparan sulfate regulatesShp2-dependent FGF signaling during lacrimal gland induction. Development (Cambridge), 2008, 135, 301-310.	1.2	91
17	Deletion of Gab1 in the liver leads to enhanced glucose tolerance and improved hepatic insulin action. Nature Medicine, 2005, 11, 567-571.	15.2	79
18	Diurnal oscillations of endogenous H2O2 sustained by p66Shc regulate circadian clocks. Nature Cell Biology, 2019, 21, 1553-1564.	4.6	79

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19	Conditional Deletion of Shp2 Tyrosine Phosphatase in Thymocytes Suppresses Both Pre-TCR and TCR Signals. Journal of Immunology, 2006, 177, 5990-5996.	0.4	70
20	Development of Diabesity in Mice with Neuronal Deletion of Shp2 Tyrosine Phosphatase. American Journal of Pathology, 2008, 172, 1312-1324.	1.9	63
21	Long-term in vivo recording of circadian rhythms in brains of freely moving mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4276-4281.	3.3	59
22	Conditional Deletion of Shp2 in the Mammary Gland Leads to Impaired Lobulo-alveolar Outgrowth and Attenuated Stat5 Activation. Journal of Biological Chemistry, 2006, 281, 34374-34380.	1.6	56
23	Orexin signaling regulates both the hippocampal clock and the circadian oscillation of Alzheimerâ€™s disease-risk genes. Scientific Reports, 2016, 6, 36035.	1.6	53
24	The MiR-135bâ€“BMAL1â€“YY1 loop disturbs pancreatic clockwork to promote tumourigenesis and chemoresistance. Cell Death and Disease, 2018, 9, 149.	2.7	47
25	Shp2 acts downstream of SDF-1Î±/CXCR4 in guiding granule cell migration during cerebellar development. Developmental Biology, 2009, 334, 276-284.	0.9	35
26	Downregulation of HIF-1a sensitizes U251 glioma cells to the temozolomide (TMZ) treatment. Experimental Cell Research, 2016, 343, 148-158.	1.2	34
27	BMI1 and MEL18 Promote Colitis-Associated Cancer inÂMiceÂviaÂREG3B and STAT3. Gastroenterology, 2017, 153, 1607-1620.	0.6	33
28	Visualizing the Ensemble Structures of Protein Complexes Using Chemical Cross-Linking Coupled with Mass Spectrometry. Biophysics Reports, 2015, 1, 127-138.	0.2	26
29	Methylation-mediated miR-155-FAM133A axis contributes to the attenuated invasion and migration of IDH mutant gliomas. Cancer Letters, 2018, 432, 93-102.	3.2	26
30	Chemical perturbations reveal that RUVBL2 regulates the circadian phase in mammals. Science Translational Medicine, 2020, 12, .	5.8	25
31	Shp2 Is Dispensable in the Formation and Maintenance of the Neuromuscular Junction. NeuroSignals, 2006, 15, 53-63.	0.5	24
32	The ratio of intracellular CRY proteins determines the clock period length. Biochemical and Biophysical Research Communications, 2016, 472, 531-538.	1.0	22
33	Phosphorylation Regulating the Ratio of Intracellular CRY1 Protein Determines the Circadian Period. Frontiers in Neurology, 2016, 7, 159.	1.1	15
34	BMAL1 regulates transcription initiation and activates circadian clock gene expression in mammals. Biochemical and Biophysical Research Communications, 2016, 473, 1019-1025.	1.0	10
35	A highland-adaptation mutation of the Epas1 protein increases its stability and disrupts the circadian clock in the plateau pika. Cell Reports, 2022, 39, 110816.	2.9	8
36	A microfluidic approach for experimentally modelling the intercellular coupling system of a mammalian circadian clock at single-cell level. Lab on A Chip, 2020, 20, 1204-1211.	3.1	7

#	Article	IF	Citations
37	Identification of PCBP1 as a Novel Modulator of Mammalian Circadian Clock. Frontiers in Genetics, 2021, 12, 656571.	1.1	4
38	In Vivo Monitoring of Circadian Clock Gene Expression in the Mouse Suprachiasmatic Nucleus Using Fluorescence Reporters. Journal of Visualized Experiments, 2018, , .	0.2	3
39	Editorial: Therapeutic implications of circadian rhythms. Frontiers in Pharmacology, 2015, 6, 175.	1.6	2
40	Pyrrolidine dithiocarbamate sensitizes U251 brain glioma cells to temozolomide via downregulation of MGMT and BCLâ€‘XL. Oncology Letters, 2017, 14, 5135-5144.	0.8	2
41	Go Human! Circadian translational medicine has come of age. Brain Science Advances, 2020, 6, 69-70.	0.3	2