

Ruifeng Cao

List of Publications by Year in descending order

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31
papers

1,733
citations

331670

21
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

2333
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacogenetic Inhibition of eIF4E-Dependent Mmp9 mRNA Translation Reverses Fragile X Syndrome-like Phenotypes. <i>Cell Reports</i> , 2014, 9, 1742-1755.	6.4	174
2	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. <i>Nature Medicine</i> , 2017, 23, 674-677.	30.7	164
3	mTOR signaling regulates central and peripheral circadian clock function. <i>PLoS Genetics</i> , 2018, 14, e1007369.	3.5	154
4	The CREB/CRE transcriptional pathway: protection against oxidative stressâ€mediated neuronal cell death. <i>Journal of Neurochemistry</i> , 2009, 108, 1251-1265.	3.9	140
5	Translational Control of Entrainment and Synchrony of the Suprachiasmatic Circadian Clock by mTOR/4E-BP1 Signaling. <i>Neuron</i> , 2013, 79, 712-724.	8.1	128
6	Mammalian Target of Rapamycin Signaling Modulates Photic Entrainment of the Suprachiasmatic Circadian Clock. <i>Journal of Neuroscience</i> , 2010, 30, 6302-6314.	3.6	99
7	Photic regulation of the mTOR signaling pathway in the suprachiasmatic circadian clock. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 312-324.	2.2	82
8	Circadian regulation of mammalian target of rapamycin signaling in the mouse suprachiasmatic nucleus. <i>Neuroscience</i> , 2011, 181, 79-88.	2.3	77
9	Light-regulated translational control of circadian behavior by eIF4E phosphorylation. <i>Nature Neuroscience</i> , 2015, 18, 855-862.	14.8	71
10	CREB Influences Timing and Entrainment of the SCN Circadian Clock. <i>Journal of Biological Rhythms</i> , 2010, 25, 410-420.	2.6	66
11	Control of Synaptic Plasticity and Memory via Suppression of Poly(A)-Binding Protein. <i>Neuron</i> , 2013, 78, 298-311.	8.1	65
12	Translational control of depression-like behavior via phosphorylation of eukaryotic translation initiation factor 4E. <i>Nature Communications</i> , 2018, 9, 2459.	12.8	65
13	The Axon Dendrite Targeting of Kv3 (Shaw) Channels Is Determined by a Targeting Motif That Associates with the T1 Domain and Ankyrin G. <i>Journal of Neuroscience</i> , 2007, 27, 14158-14170.	3.6	53
14	mTOR Signaling, Translational Control, and the Circadian Clock. <i>Frontiers in Genetics</i> , 2018, 9, 367.	2.3	50
15	The eIF2Î± Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. <i>Neuron</i> , 2019, 104, 724-735.e6.	8.1	43
16	Proteomic Profiling of the Epileptic Dentate Gyrus. <i>Brain Pathology</i> , 2010, 20, 1077-1089.	4.1	40
17	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3296-E3304.	7.1	36
18	Phosphorylation of the mRNA cap-binding protein eIF4E and cancer. <i>Cellular Signalling</i> , 2020, 73, 109689.	3.6	36

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19	mTOR Signaling and Entrainment of the Mammalian Circadian Clock. <i>Molecular and Cellular Pharmacology</i> , 2010, 2, 125-130.	1.7	33
20	Biological Timing and Neurodevelopmental Disorders: A Role for Circadian Dysfunction in Autism Spectrum Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 642745.	2.8	32
21	Facilitation of glutamatergic synaptic transmission in hippocampal CA1 area of rats with traumatic brain injury. <i>Neuroscience Letters</i> , 2006, 401, 136-141.	2.1	22
22	mTOR Signaling in Epileptogenesis: Too Much of a Good Thing?. <i>Journal of Neuroscience</i> , 2009, 29, 12372-12373.	3.6	22
23	Mitogen- and stress-activated protein kinase 1 modulates photic entrainment of the suprachiasmatic circadian clock. <i>European Journal of Neuroscience</i> , 2013, 37, 130-140.	2.6	17
24	Autistic-like behavior and cerebellar dysfunction in Bmal1 mutant mice ameliorated by mTORC1 inhibition. <i>Molecular Psychiatry</i> , 2023, 28, 3727-3738.	7.9	16
25	Haploinsufficiency of a Circadian Clock Gene Bmal1 (Arntl or Mop3) Causes Brain-Wide mTOR Hyperactivation and Autism-like Behavioral Phenotypes in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6317.	4.1	12
26	Hi-C profiling of cancer spheroids identifies 3D-growth-specific chromatin interactions in breast cancer endocrine resistance. <i>Clinical Epigenetics</i> , 2021, 13, 175.	4.1	10
27	Disruption of Circadian Rhythms by Ambient Light during Neurodevelopment Leads to Autistic-like Molecular and Behavioral Alterations in Adult Mice. <i>Cells</i> , 2021, 10, 3314.	4.1	10
28	Circadian activities of the brain MNK-eIF4E signalling axis contribute to diurnal rhythms of some cognitive functions. <i>European Journal of Neuroscience</i> , 2022, 56, 3553-3569.	2.6	10
29	Wakefulness/sleep architecture and electroencephalographic activity in mice lacking the translational repressor 4E-BP1 or 4E-BP2. <i>Sleep</i> , 2020, 43, .	1.1	5
30	Single-fraction ^{60}Co radiation induces apoptosis in cultured rat C6 cells. <i>Annals of Saudi Medicine</i> , 2012, 32, 269-275.	1.1	1
31	Returning to a "New Normal"™ in Regional Campus Research Laboratories during the COVID-19 Pandemic. <i>Journal of Regional Medical Campuses</i> , 2020, 3, .	0.1	0