Florian Plattner

List of Publications by Year
in descending order

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41 papers	2,610 citations	201674 27 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	4399 citing authors

#	Article	IF	Citations
1	The Roles of Cyclin-dependent Kinase 5 and Glycogen Synthase Kinase 3 in Tau Hyperphosphorylation. Journal of Biological Chemistry, 2006, 281, 25457-25465.	3.4	313
2	Glycogen synthase kinase-3 inhibition is integral to long-term potentiation. European Journal of Neuroscience, 2007, 25, 81-86.	2.6	300
3	Collapsin response mediator proteinâ€2 hyperphosphorylation is an early event in Alzheimerâ€™s disease progression. Journal of Neurochemistry, 2007, 103, 1132-1144.	3.9	158
4	The Role of Cdk5 in Neuroendocrine Thyroid Cancer. Cancer Cell, 2013, 24, 499-511.	16.8	139
5	Cyclin-dependent kinase 5 in synaptic plasticity, learning and memory. Journal of Neurochemistry, 2006, 99, 353-370.	3.9	119
6	Memory Enhancement by Targeting Cdk5 Regulation of NR2B. Neuron, 2014, 81, 1070-1083.	8.1	116
7	Lipidomic and Transcriptomic Basis of Lysosomal Dysfunction in Progranulin Deficiency. Cell Reports, 2017, 20, 2565-2574.	6.4	98
8	Distinct Roles of Different Neural Cell Adhesion Molecule (NCAM) Isoforms in Synaptic Maturation Revealed by Analysis of NCAM 180 kDa Isoform-Deficient Mice. Journal of Neuroscience, 2004, 24, 1852-1864.	3.6	95
9	Î±CaMKII autophosphorylation: a fast track to memory. Trends in Neurosciences, 2006, 29, 459-465.	8.6	89
10	Improved reversal learning and altered fear conditioning in transgenic mice with regionally restricted p25 expression. European Journal of Neuroscience, 2003, 18, 423-431.	2.6	83
11	The role of ventral striatal cAMP signaling in stress-induced behaviors. Nature Neuroscience, 2015, 18, 1094-1100.	14.8	80
12	LRP1 integrates murine macrophage cholesterol homeostasis and inflammatory responses in atherosclerosis. ELife, 2017, 6, .	6.0	76
13	Ischemic Stroke Injury Is Mediated by Aberrant Cdk5. Journal of Neuroscience, 2014, 34, 8259-8267.	3.6	73
14	Autophosphorylation of Î±CaMKII is not a general requirement for NMDA receptor-dependent LTP in the adult mouse. Journal of Physiology, 2006, 574, 805-818.	2.9	67
15	Reversal of ApoE4-induced recycling block as a novel prevention approach for Alzheimerâ€™s disease. ELife, 2018, 7, .	6.0	62
16	Brain Deletion of Insulin Receptor Substrate 2 Disrupts Hippocampal Synaptic Plasticity and Metaplasticity. PLoS ONE, 2012, 7, e31124.	2.5	60
17	NCAM 180 Acting via a Conserved C-Terminal Domain and MLCK Is Essential for Effective Transmission with Repetitive Stimulation. Neuron, 2005, 46, 917-931.	8.1	59
18	CRMP2 Hyperphosphorylation is Characteristic of Alzheimer's Disease and not a Feature Common to Other Neurodegenerative Diseases. Journal of Alzheimer's Disease, 2011, 27, 615-625.	2.6	59

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19	Altered regulation of tau phosphorylation in a mouse model of down syndrome aging. Neurobiology of Aging, 2012, 33, 828.e31-828.e44.	3.1	54
20	Isomerase Pin1 Stimulates Dephosphorylation of Tau Protein at Cyclin-dependent Kinase (Cdk5)-dependent Alzheimer Phosphorylation Sites. Journal of Biological Chemistry, 2013, 288, 7968-7977.	3.4	52
21	The ATM Cofactor ATMIN Protects against Oxidative Stress and Accumulation of DNA Damage in the Aging Brain. Journal of Biological Chemistry, 2010, 285, 38534-38542.	3.4	50
22	The pseudokinase CaMKv is required for the activity-dependent maintenance of dendritic spines. Nature Communications, 2016, 7, 13282.	12.8	42
23	Exposure to mild blast forces induces neuropathological effects, neurophysiological deficits and biochemical changes. Molecular Brain, 2018, 11, 64.	2.6	40
24	Sexual dimorphisms in the effect of low-level p25 expression on synaptic plasticity and memory. European Journal of Neuroscience, 2005, 21, 3023-3033.	2.6	38
25	Dynamic range of GSK3Î± not GSK3Î² is essential for bidirectional synaptic plasticity at hippocampal CA3â€CA1 synapses. Hippocampus, 2014, 24, 1413-1416.	1.9	36
26	Is there a role of the cyclin-dependent kinase 5 activator p25 in Alzheimer's disease?. NeuroReport, 2005, 16, 1725-1730.	1.2	32
27	Calpastatin, an endogenous calpain-inhibitor protein, regulates the cleavage of the Cdk5 activator p35 to p25. Journal of Neurochemistry, 2011, 117, 504-515.	3.9	30
28	Differential expression of cell cycle regulators in CDK5-dependent medullary thyroid carcinoma tumorigenesis. Oncotarget, 2015, 6, 12080-12093.	1.8	28
29	Involvement of aberrant cyclinâ€dependent kinase 5/p25 activity in experimental traumatic brain injury. Journal of Neurochemistry, 2016, 138, 317-327.	3.9	27
30	Regulation of ERK Kinase by MEK1 Kinase Inhibition in the Brain. Journal of Biological Chemistry, 2015, 290, 16319-16329.	3.4	24
31	Serine and Threonine Phosphorylation. , 2012, , 467-492.		20
32	Cdk5 Modulates Long-Term Synaptic Plasticity and Motor Learning in Dorsolateral Striatum. Scientific Reports, 2016, 6, 29812.	3.3	19
33	Cdk5 Contributes to Huntingtonâ€™s Disease Learning and Memory Deficits via Modulation of Brain Region-Specific Substrates. Molecular Neurobiology, 2018, 55, 6250-6268.	4.0	19
34	Enhancement of neuromuscular dynamics and strength behavior using extremely low magnitude mechanical signals in mice. Journal of Biomechanics, 2014, 47, 162-167.	2.1	18
35	Neuropathological Effects of Chemotherapeutic Drugs. ACS Chemical Neuroscience, 2021, 12, 3038-3048.	3.5	10
36	Bassoon controls synaptic vesicle release via regulation of presynaptic phosphorylation and <scp>cAMP</scp>. EMBO Reports, 2022, 23, .	4.5	10

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37	Systemic Administration of a Brain Permeable Cdk5 Inhibitor Alters Neurobehavior. Frontiers in Pharmacology, 2022, 13, .	3.5	6
38	Expression of p25 impairs contextual learning but not latent inhibition in mice. NeuroReport, 2006, 17, 1903-1905.	1.2	3
39	Involvement of Cdk5 in Synaptic Plasticity, and Learning and Memory. , 2008, , 227-260.		3
40	Genetic deletion of S6k1 does not rescue the phenotypic deficits observed in the R6/2 mouse model of Huntingtonâ€™s disease. Scientific Reports, 2019, 9, 16133.	3.3	2
41	Integrated regulation of PKA by fast and slow neurotransmission in the nucleus accumbens controls plasticity and stress responses. Journal of Biological Chemistry, 2022, 298, 102245.	3.4	0