

# 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	Systemic Administration of a Brain Permeable Cdk5 Inhibitor Alters Neurobehavior. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	6
2	Bassoon controls synaptic vesicle release via regulation of presynaptic phosphorylation and $\text{cAMP}$ . <i>EMBO Reports</i> , 2022, 23, .	4.5	10
3	Integrated regulation of PKA by fast and slow neurotransmission in the nucleus accumbens controls plasticity and stress responses. <i>Journal of Biological Chemistry</i> , 2022, 298, 102245.	3.4	0
4	Neuropathological Effects of Chemotherapeutic Drugs. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3038-3048.	3.5	10
5	Genetic deletion of <i>S6k1</i> does not rescue the phenotypic deficits observed in the R6/2 mouse model of Huntington's disease. <i>Scientific Reports</i> , 2019, 9, 16133.	3.3	2
6	<i>Cdk5</i> Contributes to Huntington's Disease Learning and Memory Deficits via Modulation of Brain Region-Specific Substrates. <i>Molecular Neurobiology</i> , 2018, 55, 6250-6268.	4.0	19
7	Exposure to mild blast forces induces neuropathological effects, neurophysiological deficits and biochemical changes. <i>Molecular Brain</i> , 2018, 11, 64.	2.6	40
8	Reversal of ApoE4-induced recycling block as a novel prevention approach for Alzheimer's disease. <i>ELife</i> , 2018, 7, .	6.0	62
9	Lipidomic and Transcriptomic Basis of Lysosomal Dysfunction in Progranulin Deficiency. <i>Cell Reports</i> , 2017, 20, 2565-2574.	6.4	98
10	LRP1 integrates murine macrophage cholesterol homeostasis and inflammatory responses in atherosclerosis. <i>ELife</i> , 2017, 6, .	6.0	76
11	Involvement of aberrant cyclin-dependent kinase 5/p25 activity in experimental traumatic brain injury. <i>Journal of Neurochemistry</i> , 2016, 138, 317-327.	3.9	27
12	<i>Cdk5</i> Modulates Long-Term Synaptic Plasticity and Motor Learning in Dorsolateral Striatum. <i>Scientific Reports</i> , 2016, 6, 29812.	3.3	19
13	The pseudokinase CaMKv is required for the activity-dependent maintenance of dendritic spines. <i>Nature Communications</i> , 2016, 7, 13282.	12.8	42
14	The role of ventral striatal cAMP signaling in stress-induced behaviors. <i>Nature Neuroscience</i> , 2015, 18, 1094-1100.	14.8	80
15	Regulation of ERK Kinase by MEK1 Kinase Inhibition in the Brain. <i>Journal of Biological Chemistry</i> , 2015, 290, 16319-16329.	3.4	24
16	Differential expression of cell cycle regulators in CDK5-dependent medullary thyroid carcinoma tumorigenesis. <i>Oncotarget</i> , 2015, 6, 12080-12093.	1.8	28
17	Ischemic Stroke Injury Is Mediated by Aberrant <i>Cdk5</i> . <i>Journal of Neuroscience</i> , 2014, 34, 8259-8267.	3.6	73
18	Memory Enhancement by Targeting <i>Cdk5</i> Regulation of NR2B. <i>Neuron</i> , 2014, 81, 1070-1083.	8.1	116

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19	Enhancement of neuromuscular dynamics and strength behavior using extremely low magnitude mechanical signals in mice. <i>Journal of Biomechanics</i> , 2014, 47, 162-167.	2.1	18
20	Dynamic range of GSK3 <sup>1</sup> not GSK3 <sup>2</sup> is essential for bidirectional synaptic plasticity at hippocampal CA3-CA1 synapses. <i>Hippocampus</i> , 2014, 24, 1413-1416.	1.9	36
21	The Role of Cdk5 in Neuroendocrine Thyroid Cancer. <i>Cancer Cell</i> , 2013, 24, 499-511.	16.8	139
22	Isomerase Pin1 Stimulates Dephosphorylation of Tau Protein at Cyclin-dependent Kinase (Cdk5)-dependent Alzheimer Phosphorylation Sites. <i>Journal of Biological Chemistry</i> , 2013, 288, 7968-7977.	3.4	52
23	Serine and Threonine Phosphorylation. , 2012, , 467-492.		20
24	Altered regulation of tau phosphorylation in a mouse model of down syndrome aging. <i>Neurobiology of Aging</i> , 2012, 33, 828.e31-828.e44.	3.1	54
25	Brain Deletion of Insulin Receptor Substrate 2 Disrupts Hippocampal Synaptic Plasticity and Metaplasticity. <i>PLoS ONE</i> , 2012, 7, e31124.	2.5	60
26	CRMP2 Hyperphosphorylation is Characteristic of Alzheimer's Disease and not a Feature Common to Other Neurodegenerative Diseases. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 615-625.	2.6	59
27	Calpastatin, an endogenous calpain-inhibitor protein, regulates the cleavage of the Cdk5 activator p35 to p25. <i>Journal of Neurochemistry</i> , 2011, 117, 504-515.	3.9	30
28	The ATM Cofactor ATMIN Protects against Oxidative Stress and Accumulation of DNA Damage in the Aging Brain. <i>Journal of Biological Chemistry</i> , 2010, 285, 38534-38542.	3.4	50
29	Involvement of Cdk5 in Synaptic Plasticity, and Learning and Memory. , 2008, , 227-260.		3
30	Glycogen synthase kinase-3 inhibition is integral to long-term potentiation. <i>European Journal of Neuroscience</i> , 2007, 25, 81-86.	2.6	300
31	Collapsin response mediator protein <sup>2</sup> hyperphosphorylation is an early event in Alzheimer's disease progression. <i>Journal of Neurochemistry</i> , 2007, 103, 1132-1144.	3.9	158
32	Cyclin-dependent kinase 5 in synaptic plasticity, learning and memory. <i>Journal of Neurochemistry</i> , 2006, 99, 353-370.	3.9	119
33	CaMKII autophosphorylation: a fast track to memory. <i>Trends in Neurosciences</i> , 2006, 29, 459-465.	8.6	89
34	Expression of p25 impairs contextual learning but not latent inhibition in mice. <i>NeuroReport</i> , 2006, 17, 1903-1905.	1.2	3
35	Autophosphorylation of CaMKII is not a general requirement for NMDA receptor-dependent LTP in the adult mouse. <i>Journal of Physiology</i> , 2006, 574, 805-818.	2.9	67
36	The Roles of Cyclin-dependent Kinase 5 and Glycogen Synthase Kinase 3 in Tau Hyperphosphorylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 25457-25465.	3.4	313

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37	Is there a role of the cyclin-dependent kinase 5 activator p25 in Alzheimer's disease?. NeuroReport, 2005, 16, 1725-1730.	1.2	32
38	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
39	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
40	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
41	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