

Daniel T S Pak

List of Publications by Year in descending order

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34
papers

1,991
citations

361413

20
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

2737
citing authors

#	ARTICLE	IF	CITATIONS
1	ACh Transfers: Homeostatic Plasticity of Cholinergic Synapses. Cellular and Molecular Neurobiology, 2023, 43, 697-709.	3.3	1
2	Central Cholinergic Synapse Formation in Optimized Primary Septal-Hippocampal Co-cultures. Cellular and Molecular Neurobiology, 2021, 41, 1787-1799.	3.3	5
3	Activation of nicotinic acetylcholine receptors induces potentiation and synchronization within in vitro hippocampal networks. Journal of Neurochemistry, 2020, 153, 468-484.	3.9	9
4	Microtubule-associated protein 2 mediates induction of long-term potentiation in hippocampal neurons. FASEB Journal, 2020, 34, 6965-6983.	0.5	35
5	Inhibitory Parvalbumin Basket Cell Activity is Selectively Reduced during Hippocampal Sharp Wave Ripples in a Mouse Model of Familial Alzheimer's Disease. Journal of Neuroscience, 2020, 40, 5116-5136.	3.6	47
6	Inhibition of Polo-like kinase 2 ameliorates pathogenesis in Alzheimer's disease model mice. PLoS ONE, 2019, 14, e0219691.	2.5	14
7	Divergent effects of levetiracetam and tiagabine against spontaneous seizures in adult rats following neonatal hypoxia. Epilepsy Research, 2018, 140, 1-7.	1.6	7
8	Kappa opioid receptors regulate hippocampal synaptic homeostasis and epileptogenesis. Epilepsia, 2018, 59, 106-122.	5.1	11
9	Polo-like kinase 2 phosphorylation of amyloid precursor protein regulates activity-dependent amyloidogenic processing. Neuropharmacology, 2017, 117, 387-400.	4.1	21
10	A mobile APP for sharing contacts on your cell. Journal of Neurochemistry, 2017, 143, 9-10.	3.9	1
11	A Mercaptoacetamide-Based Class II Histone Deacetylase Inhibitor Increases Dendritic Spine Density via RasGRF1/ERK Pathway. Journal of Alzheimer's Disease, 2016, 51, 591-604.	2.6	21
12	Hexa (ethylene glycol) derivative of benzothiazole aniline promotes dendritic spine formation through the RasGRF1-Ras dependent pathway. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 284-295.	3.8	10
13	Mapping homeostatic synaptic plasticity using cable properties of dendrites. Neuroscience, 2016, 315, 206-216.	2.3	4
14	Neuroigin 1 regulates spines and synaptic plasticity via LIMK1/cofilin-mediated actin reorganization. Journal of Cell Biology, 2016, 212, 449-463.	5.2	79
15	Evidence for glycinergic GluN1/GluN3 NMDA receptors in hippocampal metaplasticity. Neurobiology of Learning and Memory, 2015, 125, 265-273.	1.9	11
16	Synapses need coordination to learn motor skills. Reviews in the Neurosciences, 2014, 25, 223-30.	2.9	6
17	A tetra(ethylene glycol) derivative of benzothiazole aniline ameliorates dendritic spine density and cognitive function in a mouse model of Alzheimer's disease. Experimental Neurology, 2014, 252, 105-113.	4.1	31
18	Mossy Fiber-CA3 Synapses Mediate Homeostatic Plasticity in Mature Hippocampal Neurons. Neuron, 2013, 77, 99-114.	8.1	74

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19	Motor Skill Training Induces Coordinated Strengthening and Weakening between Neighboring Synapses. <i>Journal of Neuroscience</i> , 2013, 33, 9794-9799.	3.6	42
20	GKAP orchestrates activity-dependent postsynaptic protein remodeling and homeostatic scaling. <i>Nature Neuroscience</i> , 2012, 15, 1655-1666.	14.8	119
21	Wherefore Art Thou, Homeo(stasis)? Functional Diversity in Homeostatic Synaptic Plasticity. <i>Neural Plasticity</i> , 2012, 2012, 1-12.	2.2	34
22	The Upside of APP at Synapses. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 47-56.	3.9	68
23	Identification and functional characterization of polo-like kinase 2 autoregulatory sites. <i>Neuroscience</i> , 2012, 202, 147-157.	2.3	10
24	Requirement for Plk2 in Orchestrated Ras and Rap Signaling, Homeostatic Structural Plasticity, and Memory. <i>Neuron</i> , 2011, 69, 957-973.	8.1	88
25	ApoE Receptor 2 Regulates Synapse and Dendritic Spine Formation. <i>PLoS ONE</i> , 2011, 6, e17203.	2.5	43
26	Plk2 attachment to NSF induces homeostatic removal of GluA2 during chronic overexcitation. <i>Nature Neuroscience</i> , 2010, 13, 1199-1207.	14.8	58
27	Postsynaptic PDLIM5/Enigma Homolog binds SPAR and causes dendritic spine shrinkage. <i>Molecular and Cellular Neurosciences</i> , 2010, 43, 188-200.	2.2	38
28	The Effects of Amyloid Precursor Protein on Postsynaptic Composition and Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 8495-8506.	3.4	101
29	Combinatorial morphogenesis of dendritic spines and filopodia by SPAR and $\hat{\pm}$ -actinin2. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 55-60.	2.1	24
30	Critical Role of CDK5 and Polo-like Kinase 2 in Homeostatic Synaptic Plasticity during Elevated Activity. <i>Neuron</i> , 2008, 58, 571-583.	8.1	208
31	Differential roles of Rap1 and Rap2 small GTPases in neurite retraction and synapse elimination in hippocampal spiny neurons. <i>Journal of Neurochemistry</i> , 2007, 100, 118-131.	3.9	75
32	Polo-like kinases in the nervous system. <i>Oncogene</i> , 2005, 24, 292-298.	5.9	78
33	Targeted Protein Degradation and Synapse Remodeling by an Inducible Protein Kinase. <i>Science</i> , 2003, 302, 1368-1373.	12.6	282
34	Ligand-Gated Ion Channel Interactions with Cytoskeletal and Signaling Proteins. <i>Annual Review of Physiology</i> , 2000, 62, 755-778.	18.1	336