

# Daniel J Whitcomb

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

1,866  
citations

20  
h-index

33  
g-index

33  
ext. papers

2,207  
ext. citations

10  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
29	Caspase-3 activation via mitochondria is required for long-term depression and AMPA receptor internalization. <i>Cell</i> , <b>2010</b> , 141, 859-71	56.2	403
28	AT(1-42) inhibition of LTP is mediated by a signaling pathway involving caspase-3, Akt1 and GSK-3β <i>Nature Neuroscience</i> , <b>2011</b> , 14, 545-7	25.5	240
27	Microtubule-associated protein tau is essential for long-term depression in the hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369, 20130144	5.8	176
26	Tau phosphorylation at serine 396 residue is required for hippocampal LTD. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 4804-12	6.6	121
25	A pivotal role of GSK-3 in synaptic plasticity. <i>Frontiers in Molecular Neuroscience</i> , <b>2012</b> , 5, 13	6.1	119
24	Regulation of synaptic Rac1 activity, long-term potentiation maintenance, and learning and memory by BCR and ABR Rac GTPase-activating proteins. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 14134-44	6.6	82
23	Muscarinic receptors induce LTD of NMDAR EPSCs via a mechanism involving hippocalcin, AP2 and PSD-95. <i>Nature Neuroscience</i> , <b>2010</b> , 13, 1216-24	25.5	78
22	Acute stress causes rapid synaptic insertion of Ca <sup>2+</sup> -permeable AMPA receptors to facilitate long-term potentiation in the hippocampus. <i>Brain</i> , <b>2013</b> , 136, 3753-65	11.2	71
21	Rare individual amyloid-β oligomers act on astrocytes to initiate neuronal damage. <i>Biochemistry</i> , <b>2014</b> , 53, 2442-53	3.2	68
20	Intracellular oligomeric amyloid-beta rapidly regulates GluA1 subunit of AMPA receptor in the hippocampus. <i>Scientific Reports</i> , <b>2015</b> , 5, 10934	4.9	54
19	A novel mechanism of hippocampal LTD involving muscarinic receptor-triggered interactions between AMPARs, GRIP and liprin-α. <i>Molecular Brain</i> , <b>2009</b> , 2, 18	4.5	53
18	Translational Concepts of mGluR5 in Synaptic Diseases of the Brain. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 199	5.6	47
17	SALM5 trans-synaptically interacts with LAR-RPTPs in a splicing-dependent manner to regulate synapse development. <i>Scientific Reports</i> , <b>2016</b> , 6, 26676	4.9	43
16	False recognition in a mouse model of Alzheimer's disease: rescue with sensory restriction and memantine. <i>Brain</i> , <b>2012</b> , 135, 2103-14	11.2	42
15	Physiological and Pathophysiological Implications of Synaptic Tau. <i>Neuroscientist</i> , <b>2017</b> , 23, 137-151	7.6	35
14	TRPC6 Binds to and Activates Calpain, Independent of Its Channel Activity, and Regulates Podocyte Cytoskeleton, Cell Adhesion, and Motility. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 1910-1924	12.7	33
13	Ca-permeable AMPA receptor: A new perspective on amyloid-beta mediated pathophysiology of Alzheimer's disease. <i>Neuropharmacology</i> , <b>2017</b> , 112, 221-227	5.5	33

12	Adiponectin controls the apoptosis and the expression of tight junction proteins in brain endothelial cells through AdipoR1 under beta amyloid toxicity. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e3102	9.8	32
11	Activation of a synapse weakening pathway by human Val66 but not Met66 pro-brain-derived neurotrophic factor (proBDNF). <i>Pharmacological Research</i> , <b>2016</b> , 104, 97-107	10.2	22
10	Glucocorticoids activate a synapse weakening pathway culminating in tau phosphorylation in the hippocampus. <i>Pharmacological Research</i> , <b>2017</b> , 121, 42-51	10.2	20
9	The reemergence of long-term potentiation in aged Alzheimer's disease mouse model. <i>Scientific Reports</i> , <b>2016</b> , 6, 29152	4.9	19
8	Sensing change: the emerging role of calcium sensors in neuronal disease. <i>Seminars in Cell and Developmental Biology</i> , <b>2011</b> , 22, 530-5	7.5	17
7	Cyclin Y inhibits plasticity-induced AMPA receptor exocytosis and LTP. <i>Scientific Reports</i> , <b>2015</b> , 5, 12624	4.9	15
6	The role of melatonin in the onset and progression of type 3 diabetes. <i>Molecular Brain</i> , <b>2017</b> , 10, 35	4.5	11
5	Transient ultrasound stimulation has lasting effects on neuronal excitability. <i>Brain Stimulation</i> , <b>2021</b> , 14, 217-225	5.1	8
4	M1 muscarinic acetylcholine receptor dysfunction in moderate Alzheimer's disease pathology. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa058	4.5	5
3	Postsynaptic p47phox regulates long-term depression in the hippocampus. <i>Cell Discovery</i> , <b>2018</b> , 4, 44	22.3	4
2	Transcriptional programs regulating neuronal differentiation are disrupted in DLG2 knockout human embryonic stem cells and enriched for schizophrenia and related disorders risk variants.. <i>Nature Communications</i> , <b>2022</b> , 13, 27	17.4	3
1	DLG2 knockout reveals neurogenic transcriptional programs underlying neuropsychiatric disorders and cognition		1