

John Georgiou

List of Publications by Citations

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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.

44
papers

1,610
citations

23
h-index

40
g-index

51
ext. papers

1,855
ext. citations

6.9
avg, IF

3.98
L-index

#	Paper	IF	Citations
44	The receptor tyrosine kinase EphB2 regulates NMDA-dependent synaptic function. <i>Neuron</i> , 2001 , 32, 1041-56	13.9	267
43	Control of vertebrate skeletal mineralization by polyphosphates. <i>PLoS ONE</i> , 2009 , 4, e5634	3.7	145
42	NCS-1 in the dentate gyrus promotes exploration, synaptic plasticity, and rapid acquisition of spatial memory. <i>Neuron</i> , 2009 , 63, 643-56	13.9	138
41	Synaptic regulation of glial protein expression in vivo. <i>Neuron</i> , 1994 , 12, 443-55	13.9	93
40	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. <i>EMBO Journal</i> , 2003 , 22, 3254-66	13	91
39	Nck adaptor proteins control the organization of neuronal circuits important for walking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20973-8	11.5	76
38	Oligomeric size of the m2 muscarinic receptor in live cells as determined by quantitative fluorescence resonance energy transfer. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16723-38	5.4	55
37	Huntingtin-interacting protein 1 influences worm and mouse presynaptic function and protects <i>Caenorhabditis elegans</i> neurons against mutant polyglutamine toxicity. <i>Journal of Neuroscience</i> , 2007 , 27, 11056-64	6.6	52
36	N-WASp is required for Schwann cell cytoskeletal dynamics, normal myelin gene expression and peripheral nerve myelination. <i>Development (Cambridge)</i> , 2011 , 138, 1329-37	6.6	51
35	Muscarinic control of cytoskeleton in perisynaptic glia. <i>Journal of Neuroscience</i> , 1999 , 19, 3836-46	6.6	44
34	Functional expression of the rat pancreatic islet glucose-dependent insulinotropic polypeptide receptor: ligand binding and intracellular signaling properties		39
33	Specific Inhibition of Phosphodiesterase-4B Results in Anxiolysis and Facilitates Memory Acquisition. <i>Neuropsychopharmacology</i> , 2016 , 41, 1080-92	8.7	38
32	Colocation and role of polyphosphates and alkaline phosphatase in apatite biomineralization of elasmobranch tesserae. <i>Acta Biomaterialia</i> , 2014 , 10, 3899-910	10.8	38
31	Nestin is not essential for development of the CNS but required for dispersion of acetylcholine receptor clusters at the area of neuromuscular junctions. <i>Journal of Neuroscience</i> , 2011 , 31, 11547-52	6.6	37
30	NMDA receptor function and NMDA receptor-dependent phosphorylation of huntingtin is altered by the endocytic protein HIP1. <i>Journal of Neuroscience</i> , 2007 , 27, 2298-308	6.6	37
29	The Role of Calcium-Permeable AMPARs in Long-Term Potentiation at Principal Neurons in the Rodent Hippocampus. <i>Frontiers in Synaptic Neuroscience</i> , 2018 , 10, 42	3.5	36
28	A Far-Red Emitting Probe for Unambiguous Detection of Mobile Zinc in Acidic Vesicles and Deep Tissue. <i>Chemical Science</i> , 2015 , 6, 1944-1948	9.4	34

27	Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. <i>Molecular Cell</i> , 2020 , 77, 1176-1192.e16	17.6	32
26	Strength of synaptic transmission at neuromuscular junctions of crustaceans and insects in relation to calcium entry. <i>Invertebrate Neuroscience</i> , 1997 , 3, 81-7	1.2	28
25	Two-photon imaging of Zn ²⁺ dynamics in mossy fiber boutons of adult hippocampal slices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6786-91	11.5	27
24	A cautionary (spectral) tail: red-shifted fluorescence by DAPI-DAPI interactions. <i>Biochemical Society Transactions</i> , 2016 , 44, 46-9	5.1	27
23	Imaging of calcium in Drosophila larval motor nerve terminals. <i>Journal of Neurophysiology</i> , 1997 , 78, 3465-7	3.7	26
22	Non-myelin-forming perisynaptic schwann cells express protein zero and myelin-associated glycoprotein. <i>Glia</i> , 1999 , 27, 101-9	9	25
21	A co-operative regulation of neuronal excitability by UNC-7 innexin and NCA/NALCN leak channel. <i>Molecular Brain</i> , 2011 , 4, 16	4.5	21
20	Novel EP4 receptor agonist-bisphosphonate conjugate drug (C1) promotes bone formation and improves vertebral mechanical properties in the ovariectomized rat model of postmenopausal bone loss. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 670-80	6.3	20
19	Defective place cell activity in nociceptin receptor knockout mice with elevated NMDA receptor-dependent long-term potentiation. <i>Journal of Physiology</i> , 2005 , 565, 579-91	3.9	19
18	Self-directed exploration provides a Ncs1-dependent learning bonus. <i>Scientific Reports</i> , 2015 , 5, 17697	4.9	17
17	A 3D scanning confocal imaging method measures pit volume and captures the role of Rac in osteoclast function. <i>Bone</i> , 2012 , 51, 145-52	4.7	14
16	On the Role of Calcium-Permeable AMPARs in Long-Term Potentiation and Synaptic Tagging in the Rodent Hippocampus. <i>Frontiers in Synaptic Neuroscience</i> , 2019 , 11, 4	3.5	12
15	Neurons refine the Caenorhabditis elegans body plan by directing axial patterning by Wnts. <i>PLoS Biology</i> , 2013 , 11, e1001465	9.7	10
14	Promiscuous and reversible blocker of presynaptic calcium channels in frog and crayfish neuromuscular junctions from Phoneutria nigriventer spider venom. <i>Journal of Neurophysiology</i> , 2003 , 90, 3529-37	3.2	9
13	The Probability of Neurotransmitter Release Governs AMPA Receptor Trafficking via Activity-Dependent Regulation of mGluR1 Surface Expression. <i>Cell Reports</i> , 2018 , 25, 3631-3646.e3	10.6	8
12	PKA drives an increase in AMPA receptor unitary conductance during LTP in the hippocampus. <i>Nature Communications</i> , 2021 , 12, 413	17.4	8
11	Myelin-Associated Glycoprotein Gene 2004 , 421-467		6
10	Differential sensitivity of three forms of hippocampal synaptic potentiation to depotentiation. <i>Molecular Brain</i> , 2019 , 12, 30	4.5	5

9	Hippocampal place cell and inhibitory neuron activity in disrupted-in-schizophrenia-1 mutant mice: implications for working memory deficits. <i>NPJ Schizophrenia</i> , 2015 , 1, 15011	5.5	4
8	Mice lacking neuronal calcium sensor-1 show social and cognitive deficits. <i>Behavioural Brain Research</i> , 2020 , 381, 112420	3.4	4
7	Optogenetic Manipulation of Postsynaptic cAMP Using a Novel Transgenic Mouse Line Enables Synaptic Plasticity and Enhances Depolarization Following Tetanic Stimulation in the Hippocampal Dentate Gyrus. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 24	3.5	3
6	Multiple roles of GluN2D-containing NMDA receptors in short-term potentiation and long-term potentiation in mouse hippocampal slices. <i>Neuropharmacology</i> , 2021 , 201, 108833	5.5	3
5	(2,6)- and (2,6)-hydroxynorketamine inhibit the induction of NMDA receptor-dependent LTP at hippocampal CA1 synapses in mice. <i>Brain and Neuroscience Advances</i> , 2020 , 4, 2398212820957847	4	3
4	Illuminating Relationships Between the Pre- and Post-synapse. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 9	3.5	2
3	The Hippocampus Is the Place to Be: Opioid Receptors and LTP. <i>Cell Reports</i> , 2019 , 28, 1117-1118	10.6	1
2	Complement C3-dependent glutamatergic synapse elimination in the developing hippocampus is region- and synapse-specific		1
1	Further evidence that CP-AMPA receptors are critically involved in synaptic tag and capture at hippocampal CA1 synapses. <i>Molecular Brain</i> , 2021 , 14, 26	4.5	0