

Julien P Puyal

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.

50
papers

9,310
citations

26
h-index

54
g-index

54
ext. papers

10,446
ext. citations

7.6
avg, IF

4.96
L-index

#	Paper	IF	Citations
50	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
49	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
48	Autosis is a Na ⁺ ,K ⁺ -ATPase-regulated form of cell death triggered by autophagy-inducing peptides, starvation, and hypoxia-ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20364-71	11.5	376
47	Postischemic treatment of neonatal cerebral ischemia should target autophagy. <i>Annals of Neurology</i> , 2009 , 66, 378-89	9.4	214
46	Inflammation-induced alteration of astrocyte mitochondrial dynamics requires autophagy for mitochondrial network maintenance. <i>Cell Metabolism</i> , 2013 , 18, 844-59	24.6	163
45	Multiple interacting cell death mechanisms in the mediation of excitotoxicity and ischemic brain damage: a challenge for neuroprotection. <i>Progress in Neurobiology</i> , 2013 , 105, 24-48	10.9	152
44	Beclin 1-independent autophagy contributes to apoptosis in cortical neurons. <i>Autophagy</i> , 2011 , 7, 1115-30	10.2	136
43	Storage and uptake of D-serine into astrocytic synaptic-like vesicles specify gliotransmission. <i>Journal of Neuroscience</i> , 2013 , 33, 3413-23	6.6	125
42	Lactate modulates the activity of primary cortical neurons through a receptor-mediated pathway. <i>PLoS ONE</i> , 2013 , 8, e71721	3.7	123
41	Enhancement of autophagic flux after neonatal cerebral hypoxia-ischemia and its region-specific relationship to apoptotic mechanisms. <i>American Journal of Pathology</i> , 2009 , 175, 1962-74	5.8	118
40	Neuroprotection by selective neuronal deletion of Atg7 in neonatal brain injury. <i>Autophagy</i> , 2016 , 12, 410-23	10.2	107
39	Involvement of autophagy in hypoxic-excitotoxic neuronal death. <i>Autophagy</i> , 2014 , 10, 846-60	10.2	102
38	Targeting autophagy to prevent neonatal stroke damage. <i>Autophagy</i> , 2009 , 5, 1060-1	10.2	68
37	Mfn2 downregulation in excitotoxicity causes mitochondrial dysfunction and delayed neuronal death. <i>EMBO Journal</i> , 2014 , 33, 2388-407	13	66
36	The nNOS-p38MAPK pathway is mediated by NOS1AP during neuronal death. <i>Journal of Neuroscience</i> , 2013 , 33, 8185-201	6.6	64
35	Neuronal autophagy as a mediator of life and death: contrasting roles in chronic neurodegenerative and acute neural disorders. <i>Neuroscientist</i> , 2012 , 18, 224-36	7.6	59
34	Neuronal death after perinatal cerebral hypoxia-ischemia: Focus on autophagy-mediated cell death. <i>International Journal of Developmental Neuroscience</i> , 2015 , 45, 75-85	2.7	58

33	A β -42 monomers or oligomers have different effects on autophagy and apoptosis. <i>Autophagy</i> , 2014 , 10, 1827-43	10.2	52
32	HDLs protect pancreatic β cells against ER stress by restoring protein folding and trafficking. <i>Diabetes</i> , 2012 , 61, 1100-11	0.9	49
31	The Lactate Receptor HCAR1 Modulates Neuronal Network Activity through the Activation of G and G Subunits. <i>Journal of Neuroscience</i> , 2019 , 39, 4422-4433	6.6	46
30	Changes in D-serine levels and localization during postnatal development of the rat vestibular nuclei. <i>Journal of Comparative Neurology</i> , 2006 , 497, 610-21	3.4	42
29	JNK3 is abundant in insulin-secreting cells and protects against cytokine-induced apoptosis. <i>Diabetologia</i> , 2009 , 52, 1871-80	10.3	34
28	Dying neurons in thalamus of asphyxiated term newborns and rats are autophagic. <i>Annals of Neurology</i> , 2014 , 76, 695-711	9.4	33
27	Developmental shift from long-term depression to long-term potentiation in the rat medial vestibular nuclei: role of group I metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2003 , 553, 427-43	3.9	33
26	Calpain hydrolysis of alpha- and beta2-adaptins decreases clathrin-dependent endocytosis and may promote neurodegeneration. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12447-58	5.4	32
25	Homer1 Scaffold Proteins Govern Ca ²⁺ Dynamics in Normal and Reactive Astrocytes. <i>Cerebral Cortex</i> , 2017 , 27, 2365-2384	5.1	26
24	Excitotoxicity-related endocytosis in cortical neurons. <i>Journal of Neurochemistry</i> , 2007 , 102, 789-800	6	25
23	Inhibition of autophagy delays motoneuron degeneration and extends lifespan in a mouse model of spinal muscular atrophy. <i>Cell Death and Disease</i> , 2017 , 8, 3223	9.8	24
22	A critical role of autophagy in antileukemia/lymphoma effects of APO866, an inhibitor of NAD biosynthesis. <i>Autophagy</i> , 2014 , 10, 603-17	10.2	24
21	Limited role of the c-Jun N-terminal kinase pathway in a neonatal rat model of cerebral hypoxia-ischemia. <i>Journal of Neurochemistry</i> , 2009 , 108, 552-62	6	24
20	Excitotoxicity-induced endocytosis confers drug targeting in cerebral ischemia. <i>Annals of Neurology</i> , 2009 , 65, 337-47	9.4	23
19	Autophagy defect is associated with low glucose-induced apoptosis in 661W photoreceptor cells. <i>PLoS ONE</i> , 2013 , 8, e74162	3.7	23
18	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. <i>Cancer Research</i> , 2019 , 79, 5245-5259	10.1	19
17	Calcium-binding proteins map the postnatal development of rat vestibular nuclei and their vestibular and cerebellar projections. <i>Journal of Comparative Neurology</i> , 2002 , 451, 374-91	3.4	17
16	Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. <i>Journal of Neurochemistry</i> , 2011 , 119, 1243-52	6	16

15	Distribution of alpha-amino-3-hydroxy-5-methyl-4 isoazolepropionic acid and N-methyl-D-aspartate receptor subunits in the vestibular and spiral ganglia of the mouse during early development. <i>Developmental Brain Research</i> , 2002 , 139, 51-7		14
14	The TAT-RasGAP317-326 anti-cancer peptide can kill in a caspase-, apoptosis-, and necroptosis-independent manner. <i>Oncotarget</i> , 2016 , 7, 64342-64359	3.3	14
13	Interaction between the autophagy protein Beclin 1 and Na ⁺ ,K ⁺ -ATPase during starvation, exercise, and ischemia. <i>JCI Insight</i> , 2020 , 5,	9.9	14
12	Enhanced autophagy contributes to excitotoxic lesions in a rat model of preterm brain injury. <i>Cell Death and Disease</i> , 2018 , 9, 853	9.8	14
11	Current Evidence on Cell Death in Preterm Brain Injury in Human and Preclinical Models. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 27	5.7	13
10	HDLs protect the MIN6 insulinoma cell line against tunicamycin-induced apoptosis without inhibiting ER stress and without restoring ER functionality. <i>Molecular and Cellular Endocrinology</i> , 2013 , 381, 291-301	4.4	13
9	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. <i>Science Advances</i> , 2020 , 6, eaba8271	14.3	12
8	Combinative effects of Elapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. <i>Biochimie</i> , 2015 , 116, 141-53	4.6	9
7	Immunocytochemical and pharmacological characterization of metabotropic glutamate receptors of the vestibular end organs in the frog. <i>Hearing Research</i> , 2005 , 204, 200-9	3.9	8
6	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. <i>ELife</i> , 2021 , 10,	8.9	4
5	Expression of glutamate transporters in the medial and lateral vestibular nuclei during rat postnatal development. <i>Developmental Neuroscience</i> , 2003 , 25, 332-42	2.2	3
4	Genetic, cellular and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore		2
3	Thrombolysis by PLAT/tPA increases serum free IGF1 leading to a decrease of deleterious autophagy following brain ischemia. <i>Autophagy</i> , 2021 , 1-21	10.2	2
2	Endocytosis and autophagy in cerebral ischemia and excitotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S461-S461	7.3	1
1	Activation of lactate receptor HCAR1 down-modulates neuronal activity in rodent and human brain tissue.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221080324	7.3	1