Julien P Puyal

List of Publications by Year in Descending Order

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	Activation of lactate receptor HCAR1 down-modulates neuronal activity in rodent and human brain tissue.. *Journal of Cerebral Blood Flow and Metabolism*, **2022**, 271678X221080324	7.3	1
49	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. *ELife*, **2021**, 10,	8.9	4
48	Thrombolysis by PLAT/tPA increases serum free IGF1 leading to a decrease of deleterious autophagy following brain ischemia. *Autophagy*, **2021**, 1-21	10.2	2
47	Current Evidence on Cell Death in Preterm Brain Injury in Human and Preclinical Models. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 27	5.7	13
46	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. *Science Advances*, **2020**, 6, eaba8271	14.3	12
45	Interaction between the autophagy protein Beclin 1 and Na+,K+-ATPase during starvation, exercise, and ischemia. *JCI Insight*, **2020**, 5,	9.9	14
44	The Lactate Receptor HCAR1 Modulates Neuronal Network Activity through the Activation of G and G Subunits. *Journal of Neuroscience*, **2019**, 39, 4422-4433	6.6	46
43	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. *Cancer Research*, **2019**, 79, 5245-5259	10.1	19
42	Enhanced autophagy contributes to excitotoxic lesions in a rat model of preterm brain injury. *Cell Death and Disease*, **2018**, 9, 853	9.8	14
41	Homer1 Scaffold Proteins Govern Ca2+ Dynamics in Normal and Reactive Astrocytes. *Cerebral Cortex*, **2017**, 27, 2365-2384	5.1	26
40	Inhibition of autophagy delays motoneuron degeneration and extends lifespan in a mouse model of spinal muscular atrophy. *Cell Death and Disease*, **2017**, 8, 3223	9.8	24
39	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
38	Neuroprotection by selective neuronal deletion of Atg7 in neonatal brain injury. *Autophagy*, **2016**, 12, 410-23	10.2	107
37	The TAT-RasGAP317-326 anti-cancer peptide can kill in a caspase-, apoptosis-, and necroptosis-independent manner. *Oncotarget*, **2016**, 7, 64342-64359	3.3	14
36	Neuronal death after perinatal cerebral hypoxia-ischemia: Focus on autophagy-mediated cell death. *International Journal of Developmental Neuroscience*, **2015**, 45, 75-85	2.7	58
35	Combinative effects of Lapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. *Biochimie*, **2015**, 116, 141-53	4.6	9
34	Mfn2 downregulation in excitotoxicity causes mitochondrial dysfunction and delayed neuronal death. *EMBO Journal*, **2014**, 33, 2388-407	13	66

33	Aβ1-42 monomers or oligomers have different effects on autophagy and apoptosis. *Autophagy*, **2014**, 10, 1827-43	10.2	52
32	Involvement of autophagy in hypoxic-excitotoxic neuronal death. *Autophagy*, **2014**, 10, 846-60	10.2	102
31	Dying neurons in thalamus of asphyxiated term newborns and rats are autophagic. *Annals of Neurology*, **2014**, 76, 695-711	9.4	33
30	A critical role of autophagy in antileukemia/lymphoma effects of APO866, an inhibitor of NAD biosynthesis. *Autophagy*, **2014**, 10, 603-17	10.2	24
29	Inflammation-induced alteration of astrocyte mitochondrial dynamics requires autophagy for mitochondrial network maintenance. *Cell Metabolism*, **2013**, 18, 844-59	24.6	163
28	HDLs protect the MIN6 insulinoma cell line against tunicamycin-induced apoptosis without inhibiting ER stress and without restoring ER functionality. *Molecular and Cellular Endocrinology*, **2013**, 381, 291-301	4.4	13
27	Storage and uptake of D-serine into astrocytic synaptic-like vesicles specify gliotransmission. *Journal of Neuroscience*, **2013**, 33, 3413-23	6.6	125
26	Multiple interacting cell death mechanisms in the mediation of excitotoxicity and ischemic brain damage: a challenge for neuroprotection. *Progress in Neurobiology*, **2013**, 105, 24-48	10.9	152
25	The nNOS-p38MAPK pathway is mediated by NOS1AP during neuronal death. *Journal of Neuroscience*, **2013**, 33, 8185-201	6.6	64
24	Autosis is a Na+,K+-ATPase-regulated form of cell death triggered by autophagy-inducing peptides, starvation, and hypoxia-ischemia. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20364-71	11.5	376
23	Lactate modulates the activity of primary cortical neurons through a receptor-mediated pathway. *PLoS ONE*, **2013**, 8, e71721	3.7	123
22	Autophagy defect is associated with low glucose-induced apoptosis in 661W photoreceptor cells. *PLoS ONE*, **2013**, 8, e74162	3.7	23
21	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
20	Neuronal autophagy as a mediator of life and death: contrasting roles in chronic neurodegenerative and acute neural disorders. *Neuroscientist*, **2012**, 18, 224-36	7.6	59
19	HDLs protect pancreatic β-cells against ER stress by restoring protein folding and trafficking. *Diabetes*, **2012**, 61, 1100-11	0.9	49
18	Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. *Journal of Neurochemistry*, **2011**, 119, 1243-52	6	16
17	Beclin 1-independent autophagy contributes to apoptosis in cortical neurons. *Autophagy*, **2011**, 7, 1115-31	10.2	136
16	Calpain hydrolysis of alpha- and beta2-adaptins decreases clathrin-dependent endocytosis and may promote neurodegeneration. *Journal of Biological Chemistry*, **2009**, 284, 12447-58	5.4	32

15	Excitotoxicity-induced endocytosis confers drug targeting in cerebral ischemia. *Annals of Neurology* , **2009**, 65, 337-47	9.4	23
14	Postischemic treatment of neonatal cerebral ischemia should target autophagy. *Annals of Neurology*, **2009**, 66, 378-89	9.4	214
13	JNK3 is abundant in insulin-secreting cells and protects against cytokine-induced apoptosis. *Diabetologia*, **2009**, 52, 1871-80	10.3	34
12	Limited role of the c-Jun N-terminal kinase pathway in a neonatal rat model of cerebral hypoxia-ischemia. *Journal of Neurochemistry*, **2009**, 108, 552-62	6	24
11	Targeting autophagy to prevent neonatal stroke damage. *Autophagy*, **2009**, 5, 1060-1	10.2	68
10	Enhancement of autophagic flux after neonatal cerebral hypoxia-ischemia and its region-specific relationship to apoptotic mechanisms. *American Journal of Pathology*, **2009**, 175, 1962-74	5.8	118
9	Excitotoxicity-related endocytosis in cortical neurons. *Journal of Neurochemistry*, **2007**, 102, 789-800	6	25
8	Changes in D-serine levels and localization during postnatal development of the rat vestibular nuclei. *Journal of Comparative Neurology*, **2006**, 497, 610-21	3.4	42
7	Immunocytochemical and pharmacological characterization of metabotropic glutamate receptors of the vestibular end organs in the frog. *Hearing Research*, **2005**, 204, 200-9	3.9	8
6	Endocytosis and autophagy in cerebral ischemia and excitotoxicity. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S461-S461	7.3	1
5	Expression of glutamate transporters in the medial and lateral vestibular nuclei during rat postnatal development. *Developmental Neuroscience*, **2003**, 25, 332-42	2.2	3
4	Developmental shift from long-term depression to long-term potentiation in the rat medial vestibular nuclei: role of group I metabotropic glutamate receptors. *Journal of Physiology*, **2003**, 553, 427-43	3.9	33
3	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. *Developmental Brain Research*, **2002**, 139, 51-7		14
2	Calcium-binding proteins map the postnatal development of rat vestibular nuclei and their vestibular and cerebellar projections. *Journal of Comparative Neurology*, **2002**, 451, 374-91	3.4	17
1	Genetic, cellular and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore		2