

# Julien P Puyal

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

11,289  
citations

182225

30  
h-index

198040

52  
g-index

54  
all docs

54  
docs citations

54  
times ranked

25266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Autosis is a Na <sup>+</sup> ,K <sup>+</sup> -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, 20364-20371.	3.3	470
4	Postischemic treatment of neonatal cerebral ischemia should target autophagy. <i>Annals of Neurology</i> , 2009, 66, 378-389.	2.8	244
5	Inflammation-Induced Alteration of Astrocyte Mitochondrial Dynamics Requires Autophagy for Mitochondrial Network Maintenance. <i>Cell Metabolism</i> , 2013, 18, 844-859.	7.2	201
6	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.	2.8	181
7	Lactate Modulates the Activity of Primary Cortical Neurons through a Receptor-Mediated Pathway. <i>PLoS ONE</i> , 2013, 8, e71721.	1.1	159
8	Beclin 1-independent autophagy contributes to apoptosis in cortical neurons. <i>Autophagy</i> , 2011, 7, 1115-1131.	4.3	154
9	Storage and Uptake of d-Serine into Astrocytic Synaptic-Like Vesicles Specify Gliotransmission. <i>Journal of Neuroscience</i> , 2013, 33, 3413-3423.	1.7	148
10	Neuroprotection by selective neuronal deletion of <i>Atg7</i> in neonatal brain injury. <i>Autophagy</i> , 2016, 12, 410-423.	4.3	140
11	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, 1962-1974.	1.9	133
12	Involvement of autophagy in hypoxic-excitotoxic neuronal death. <i>Autophagy</i> , 2014, 10, 846-860.	4.3	130
13	Autophagic cell death exists. <i>Autophagy</i> , 2012, 8, 867-869.	4.3	106
14	The Lactate Receptor HCAR1 Modulates Neuronal Network Activity through the Activation of G <sub>α12</sub> and G <sub>α13</sub> Subunits. <i>Journal of Neuroscience</i> , 2019, 39, 4422-4433.	1.7	101
15	Mfn2 downregulation in excitotoxicity causes mitochondrial dysfunction and delayed neuronal death. <i>EMBO Journal</i> , 2014, 33, 2388-2407.	3.5	84
16	The nNOS-p38MAPK Pathway Is Mediated by NOS1AP during Neuronal Death. <i>Journal of Neuroscience</i> , 2013, 33, 8185-8201.	1.7	80
17	Targeting autophagy to prevent neonatal stroke damage. <i>Autophagy</i> , 2009, 5, 1060-1061.	4.3	78
18	Neuronal Autophagy as a Mediator of Life and Death. <i>Neuroscientist</i> , 2012, 18, 224-236.	2.6	72

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19	Neuronal death after perinatal cerebral hypoxia-ischemia: Focus on autophagy-mediated cell death. <i>International Journal of Developmental Neuroscience</i> , 2015, 45, 75-85.	0.7	71
20	A $\beta$ 1-42 monomers or oligomers have different effects on autophagy and apoptosis. <i>Autophagy</i> , 2014, 10, 1827-1843.	4.3	70
21	HDLs Protect Pancreatic $\beta$ -Cells Against ER Stress by Restoring Protein Folding and Trafficking. <i>Diabetes</i> , 2012, 61, 1100-1111.	0.3	63
22	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. <i>Science Advances</i> , 2020, 6, eaba8271.	4.7	47
23	Changes in D-serine levels and localization during postnatal development of the rat vestibular nuclei. <i>Journal of Comparative Neurology</i> , 2006, 497, 610-621.	0.9	43
24	JNK3 is abundant in insulin-secreting cells and protects against cytokine-induced apoptosis. <i>Diabetologia</i> , 2009, 52, 1871-1880.	2.9	42
25	Dying neurons in thalamus of asphyxiated term newborns and rats are autophagic. <i>Annals of Neurology</i> , 2014, 76, 695-711.	2.8	41
26	Calpain Hydrolysis of $\beta$ - and $\beta$ 2-Adaptins Decreases Clathrin-dependent Endocytosis and May Promote Neurodegeneration. <i>Journal of Biological Chemistry</i> , 2009, 284, 12447-12458.	1.6	38
27	Homer1 Scaffold Proteins Govern Ca <sup>2+</sup> Dynamics in Normal and Reactive Astrocytes. <i>Cerebral Cortex</i> , 2017, 27, 2365-2384.	1.6	37
28	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.	2.7	37
29	Interaction between the autophagy protein Beclin 1 and Na <sup>+</sup> ,K <sup>+</sup> -ATPase during starvation, exercise, and ischemia. <i>JCI Insight</i> , 2020, 5, .	2.3	37
30	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, 427-443.	1.3	35
31	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. <i>Cancer Research</i> , 2019, 79, 5245-5259.	0.4	35
32	Autophagy Defect Is Associated with Low Glucose-Induced Apoptosis in 661W Photoreceptor Cells. <i>PLoS ONE</i> , 2013, 8, e74162.	1.1	31
33	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. <i>ELife</i> , 2021, 10, .	2.8	31
34	Excitotoxicity-related endocytosis in cortical neurons. <i>Journal of Neurochemistry</i> , 2007, 102, 789-800.	2.1	28
35	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, 552-562.	2.1	28
36	A critical role of autophagy in antileukemia/lymphoma effects of APO866, an inhibitor of NAD biosynthesis. <i>Autophagy</i> , 2014, 10, 603-617.	4.3	28

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37	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.	1.8	26
38	Enhanced autophagy contributes to excitotoxic lesions in a rat model of preterm brain injury. <i>Cell Death and Disease</i> , 2018, 9, 853.	2.7	24
39	Excitotoxicity-induced endocytosis confers drug targeting in cerebral ischemia. <i>Annals of Neurology</i> , 2009, 65, 337-347.	2.8	23
40	The TAT-RasGAP317-326 anti-cancer peptide can kill in a caspase-, apoptosis-, and necroptosis-independent manner. <i>Oncotarget</i> , 2016, 7, 64342-64359.	0.8	21
41	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, 42, 1650-1665.	2.4	19
42	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, 374-391.	0.9	18
43	Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. <i>Journal of Neurochemistry</i> , 2011, 119, 1243-1252.	2.1	17
44	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.	1.6	17
45	Distribution of $\beta$ -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, 51-57.	2.1	16
46	Combinative effects of $\beta$ -Lapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. <i>Biochimie</i> , 2015, 116, 141-153.	1.3	14
47	Thrombolysis by PLAT/tPA increases serum free IGF1 leading to a decrease of deleterious autophagy following brain ischemia. <i>Autophagy</i> , 2022, 18, 1297-1317.	4.3	14
48	Immunocytochemical and pharmacological characterization of metabotropic glutamate receptors of the vestibular end organs in the frog. <i>Hearing Research</i> , 2005, 204, 200-209.	0.9	10
49	Expression of Glutamate Transporters in the Medial and Lateral Vestibular Nuclei during Rat Postnatal Development. <i>Developmental Neuroscience</i> , 2003, 25, 332-342.	1.0	3
50	Endocytosis and autophagy in cerebral ischemia and excitotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S461-S461.	2.4	1