

Julien P Puyal

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

11,289
citations

159585
30
h-index

175258
52
g-index

54
all docs

54
docs citations

54
times ranked

23299
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	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, 20364-20371.	7.1	470
4	Postischemic treatment of neonatal cerebral ischemia should target autophagy. Annals of Neurology, 2009, 66, 378-389.	5.3	244
5	Inflammation-Induced Alteration of Astrocyte Mitochondrial Dynamics Requires Autophagy for Mitochondrial Network Maintenance. Cell Metabolism, 2013, 18, 844-859.	16.2	201
6	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.	5.7	181
7	Lactate Modulates the Activity of Primary Cortical Neurons through a Receptor-Mediated Pathway. PLoS ONE, 2013, 8, e71721.	2.5	159
8	Beclin 1-independent autophagy contributes to apoptosis in cortical neurons. Autophagy, 2011, 7, 1115-1131.	9.1	154
9	Storage and Uptake of d-Serine into Astrocytic Synaptic-Like Vesicles Specify Gliotransmission. Journal of Neuroscience, 2013, 33, 3413-3423.	3.6	148
10	Neuroprotection by selective neuronal deletion of Atg7 in neonatal brain injury. Autophagy, 2016, 12, 410-423.	9.1	140
11	Enhancement of Autophagic Flux after Neonatal Cerebral Hypoxia-Ischemia and Its Region-Specific Relationship to Apoptotic Mechanisms. American Journal of Pathology, 2009, 175, 1962-1974.	3.8	133
12	Involvement of autophagy in hypoxic-excitotoxic neuronal death. Autophagy, 2014, 10, 846-860.	9.1	130
13	Autophagic cell death exists. Autophagy, 2012, 8, 867-869.	9.1	106
14	The Lactate Receptor HCAR1 Modulates Neuronal Network Activity through the Activation of G _{i1} and G _{i2/3} Subunits. Journal of Neuroscience, 2019, 39, 4422-4433.	3.6	101
15	Mfn2 downregulation in excitotoxicity causes mitochondrial dysfunction and delayed neuronal death. EMBO Journal, 2014, 33, 2388-2407.	7.8	84
16	The nNOS-p38MAPK Pathway Is Mediated by NOS1AP during Neuronal Death. Journal of Neuroscience, 2013, 33, 8185-8201.	3.6	80
17	Targeting autophagy to prevent neonatal stroke damage. Autophagy, 2009, 5, 1060-1061.	9.1	78
18	Neuronal Autophagy as a Mediator of Life and Death. Neuroscientist, 2012, 18, 224-236.	3.5	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.	1.6	71
20	A β 1-42 monomers or oligomers have different effects on autophagy and apoptosis. <i>Autophagy</i> , 2014, 10, 1827-1843.	9.1	70
21	HDLs Protect Pancreatic β -Cells Against ER Stress by Restoring Protein Folding and Trafficking. <i>Diabetes</i> , 2012, 61, 1100-1111.	0.6	63
22	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. <i>Science Advances</i> , 2020, 6, eaba8271.	10.3	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.	1.6	43
24	JNK3 is abundant in insulin-secreting cells and protects against cytokine-induced apoptosis. <i>Diabetologia</i> , 2009, 52, 1871-1880.	6.3	42
25	Dying neurons in thalamus of asphyxiated term newborns and rats are autophagic. <i>Annals of Neurology</i> , 2014, 76, 695-711.	5.3	41
26	Calpain Hydrolysis of β - and β 2-Adaptins Decreases Clathrin-dependent Endocytosis and May Promote Neurodegeneration. <i>Journal of Biological Chemistry</i> , 2009, 284, 12447-12458.	3.4	38
27	Homer1 Scaffold Proteins Govern Ca ²⁺ Dynamics in Normal and Reactive Astrocytes. <i>Cerebral Cortex</i> , 2017, 27, 2365-2384.	2.9	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.	6.3	37
29	Interaction between the autophagy protein Beclin 1 and Na ⁺ ,K ⁺ -ATPase during starvation, exercise, and ischemia. <i>JCI Insight</i> , 2020, 5, .	5.0	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.	2.9	35
31	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. <i>Cancer Research</i> , 2019, 79, 5245-5259.	0.9	35
32	Autophagy Defect Is Associated with Low Glucose-Induced Apoptosis in 661W Photoreceptor Cells. <i>PLoS ONE</i> , 2013, 8, e74162.	2.5	31
33	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. <i>ELife</i> , 2021, 10, .	6.0	31
34	Excitotoxicity-related endocytosis in cortical neurons. <i>Journal of Neurochemistry</i> , 2007, 102, 789-800.	3.9	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.	3.9	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.	9.1	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.	3.7	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.	6.3	24
39	Excitotoxicity-induced endocytosis confers drug targeting in cerebral ischemia. <i>Annals of Neurology</i> , 2009, 65, 337-347.	5.3	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.	1.8	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.	4.3	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.	1.6	18
43	Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. <i>Journal of Neurochemistry</i> , 2011, 119, 1243-1252.	3.9	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.	3.2	17
45	Distribution of L-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.	1.7	16
46	Combinative effects of Î²-Lapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. <i>Biochimie</i> , 2015, 116, 141-153.	2.6	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.	9.1	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.	2.0	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.	2.0	3
50	Endocytosis and autophagy in cerebral ischemia and excitotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S461-S461.	4.3	1