

Julien Prudent

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,130
citations

304743

22
h-index

289244

40
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43
all docs

43
docs citations

43
times ranked

4991
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dynamics: overview of molecular mechanisms. <i>Essays in Biochemistry</i> , 2018, 62, 341-360.	4.7	795
2	Newly born peroxisomes are a hybrid of mitochondrial and ER-derived pre-peroxisomes. <i>Nature</i> , 2017, 542, 251-254.	27.8	335
3	MAPL SUMOylation of Drp1 Stabilizes an ER/Mitochondrial Platform Required for Cell Death. <i>Molecular Cell</i> , 2015, 59, 941-955.	9.7	252
4	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. <i>Molecular Cell</i> , 2017, 67, 922-935.e5.	9.7	249
5	A Mitofusin-2-dependent inactivating cleavage of Opa1 links changes in mitochondria cristae and ER contacts in the postprandial liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16017-16022.	7.1	148
6	Golgi-derived PI 4 P-containing vesicles drive late steps of mitochondrial division. <i>Science</i> , 2020, 367, 1366-1371.	12.6	142
7	SLC25A46 is required for mitochondrial lipid homeostasis and cristae maintenance and is responsible for Leigh syndrome. <i>EMBO Molecular Medicine</i> , 2016, 8, 1019-1038.	6.9	141
8	CCDC90A (MCUR1) Is a Cytochrome c Oxidase Assembly Factor and Not a Regulator of the Mitochondrial Calcium Uniporter. <i>Cell Metabolism</i> , 2015, 21, 109-116.	16.2	107
9	New insights into the role of mitochondrial calcium homeostasis in cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 75-86.	2.1	100
10	Non-apoptotic roles of Bcl-2 family: The calcium connection. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1755-1765.	4.1	97
11	The mitochondria-endoplasmic reticulum contact sites: a signalling platform for cell death. <i>Current Opinion in Cell Biology</i> , 2017, 47, 52-63.	5.4	86
12	Bcl-wav and the mitochondrial calcium uniporter drive gastrula morphogenesis in zebrafish. <i>Nature Communications</i> , 2013, 4, 2330.	12.8	64
13	Mitochondrial translation is required for sustained killing by cytotoxic T cells. <i>Science</i> , 2021, 374, eabe9977.	12.6	55
14	The Apoptotic Regulator Nr2 Controls Cytoskeletal Dynamics via the Regulation of Ca ²⁺ Trafficking in the Zebrafish Blastula. <i>Developmental Cell</i> , 2011, 20, 663-676.	7.0	51
15	Bax-derived membrane-active peptides act as potent and direct inducers of apoptosis in cancer cells. <i>Journal of Cell Science</i> , 2011, 124, 556-564.	2.0	50
16	Mitochondrial Ca ²⁺ uptake controls actin cytoskeleton dynamics during cell migration. <i>Scientific Reports</i> , 2016, 6, 36570.	3.3	50
17	Src tyrosine kinase inhibits apoptosis through the Erk1/2-dependent degradation of the death accelerator Bik. <i>Cell Death and Differentiation</i> , 2012, 19, 1459-1469.	11.2	43
18	Selective Disruption of Mitochondrial Thiol Redox State in Cells and In Vivo. <i>Cell Chemical Biology</i> , 2019, 26, 449-461.e8.	5.2	41

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19	Bcl-2 Family of Proteins in the Control of Mitochondrial Calcium Signalling: An Old Chap with New Roles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3730.	4.1	40
20	The Complex Dance of Organelles during Mitochondrial Division. <i>Trends in Cell Biology</i> , 2021, 31, 241-253.	7.9	36
21	Mitochondrial Dynamics: ER Actin Tightens the Drp1 Noose. <i>Current Biology</i> , 2016, 26, R207-R209.	3.9	34
22	The Bcl-2 Homolog Nr3 Inhibits Binding of IP ₃ to Its Receptor to Control Calcium Signaling During Zebrafish Epiboly. <i>Science Signaling</i> , 2014, 7, ra14.	3.6	31
23	Mutation in the MICOS subunit gene <i>APOO</i> (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. <i>Journal of Medical Genetics</i> , 2021, 58, 155-167.	3.2	28
24	SMARCA4/2 loss inhibits chemotherapy-induced apoptosis by restricting IP ₃ -mediated Ca ²⁺ flux to mitochondria. <i>Nature Communications</i> , 2021, 12, 5404.	12.8	20
25	Decreasing pdzd8-mediated mito-ER contacts improves organismal fitness and mitigates A β ₄₂ toxicity. <i>Life Science Alliance</i> , 2022, 5, e202201531.	2.8	20
26	Cytoskeleton dynamics in early zebrafish development. <i>Bioarchitecture</i> , 2011, 1, 216-220.	1.5	18
27	TMEM63C mutations cause mitochondrial morphology defects and underlie hereditary spastic paraplegia. <i>Brain</i> , 2022, 145, 3095-3107.	7.6	17
28	DNA polymerase gamma mutations that impair holoenzyme stability cause catalytic subunit depletion. <i>Nucleic Acids Research</i> , 2021, 49, 5230-5248.	14.5	15
29	Interplay between Mitochondrial Protein Import and Respiratory Complexes Assembly in Neuronal Health and Degeneration. <i>Life</i> , 2021, 11, 432.	2.4	14
30	Bcl-2 proteins, cell migration and embryonic development: lessons from zebrafish. <i>Cell Death and Disease</i> , 2015, 6, e1910-e1910.	6.3	12
31	Oxygen tension modulates the mitochondrial genetic bottleneck and influences the segregation of a heteroplasmic mtDNA variant in vitro. <i>Communications Biology</i> , 2021, 4, 584.	4.4	7
32	The yolk cell of the zebrafish blastula harbors functional apoptosis machinery. <i>Communicative and Integrative Biology</i> , 2011, 4, 549-551.	1.4	5
33	De-fusing mitochondria defuses the mtDNA time-bomb. <i>Cell Research</i> , 2019, 29, 781-782.	12.0	5
34	The last wall of defense to prevent extreme and deleterious mitochondrial fusion. <i>EMBO Journal</i> , 2020, 39, e107326.	7.8	5
35	A latex agglutination assay to quantify the amount of hemagglutinin protein in adjuvanted low-dose influenza monovalent vaccines. <i>Journal of Virological Methods</i> , 2018, 251, 46-53.	2.1	4
36	Mitochondrial matrix-localized Src kinase regulates mitochondrial morphology. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	4

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37	Nrz but not zBcl-xL antagonizes Bcl-wav pro-apoptotic activity in zebrafish. <i>Communicative and Integrative Biology</i> , 2014, 7, e28008.	1.4	3
38	Control of Programmed Cell Death During Zebrafish Embryonic Development. , 0, , .		2
39	Quantifying inter-organelle membrane contact sites using proximity ligation assay in fixed optic nerve sections. <i>Experimental Eye Research</i> , 2021, 213, 108793.	2.6	2
40	The yolk cell of the zebrafish blastula harbors functional apoptosis machinery. <i>Communicative and Integrative Biology</i> , 2011, 4, 549-551.	1.4	1