Julien Prudent

List of Publications by Year in descending order

40 papers	3,130 citations	304743 22 h-index	289244 40 g-index
43 all docs	43 docs citations	43 times ranked	4991 citing authors

#	Article	IF	Citations
1	TMEM63C mutations cause mitochondrial morphology defects and underlie hereditary spastic paraplegia. Brain, 2022, 145, 3095-3107.	7.6	17
2	Mitochondrial matrix-localized Src kinase regulates mitochondrial morphology. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	4
3	Decreasing pdzd8-mediated mitoâ€“ER contacts improves organismal fitness and mitigates AÎ²₄₂toxicity. Life Science Alliance, 2022, 5, e202201531.	2.8	20
4	Bcl-2 Family of Proteins in the Control of Mitochondrial Calcium Signalling: An Old Chap with New Roles. International Journal of Molecular Sciences, 2021, 22, 3730.	4.1	40
5	The Complex Dance of Organelles during Mitochondrial Division. Trends in Cell Biology, 2021, 31, 241-253.	7.9	36
6	Oxygen tension modulates the mitochondrial genetic bottleneck and influences the segregation of a heteroplasmic mtDNA variant in vitro. Communications Biology, 2021, 4, 584.	4.4	7
7	DNA polymerase gamma mutations that impair holoenzyme stability cause catalytic subunit depletion. Nucleic Acids Research, 2021, 49, 5230-5248.	14.5	15
8	Interplay between Mitochondrial Protein Import and Respiratory Complexes Assembly in Neuronal Health and Degeneration. Life, 2021, 11, 432.	2.4	14
9	SMARCA4/2 loss inhibits chemotherapy-induced apoptosis by restricting IP3R3-mediated Ca2+ flux to mitochondria. Nature Communications, 2021, 12, 5404.	12.8	20
10	Mutation in the MICOS subunit gene APOO (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. Journal of Medical Genetics, 2021, 58, 155-167.	3.2	28
11	Mitochondrial translation is required for sustained killing by cytotoxic T cells. Science, 2021, 374, eabe9977.	12.6	55
12	Quantifying inter-organelle membrane contact sites using proximity ligation assay in fixed optic nerve sections. Experimental Eye Research, 2021, 213, 108793.	2.6	2
13	Golgi-derived PI (4) P-containing vesicles drive late steps of mitochondrial division. Science, 2020, 367, 1366-1371.	12.6	142
14	The last wall of defense to prevent extreme and deleterious mitochondrial fusion. EMBO Journal, 2020, 39, e107326.	7.8	5
15	De-fusing mitochondria defuses the mtDNA time-bomb. Cell Research, 2019, 29, 781-782.	12.0	5
16	Selective Disruption of Mitochondrial Thiol Redox State in Cells and InÂVivo. Cell Chemical Biology, 2019, 26, 449-461.e8.	5.2	41
17	New insights into the role of mitochondrial calcium homeostasis in cell migration. Biochemical and Biophysical Research Communications, 2018, 500, 75-86.	2.1	100
18	A latex agglutination assay to quantify the amount of hemagglutinin protein in adjuvanted low-dose influenza monovalent vaccines. Journal of Virological Methods, 2018, 251, 46-53.	2.1	4

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19	Mitochondrial dynamics: overview of molecular mechanisms. Essays in Biochemistry, 2018, 62, 341-360.	4.7	795
20	Newly born peroxisomes are a hybrid of mitochondrial and ER-derived pre-peroxisomes. Nature, 2017, 542, 251-254.	27.8	335
21	The mitochondriaâ€“endoplasmic reticulum contact sites: a signalling platform for cell death. Current Opinion in Cell Biology, 2017, 47, 52-63.	5.4	86
22	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. Molecular Cell, 2017, 67, 922-935.e5.	9.7	249
23	<scp>SLC</scp>25A46 is required for mitochondrial lipid homeostasis and cristae maintenance and is responsible for Leigh syndrome. EMBO Molecular Medicine, 2016, 8, 1019-1038.	6.9	141
24	Mitochondrial Ca2+ uptake controls actin cytoskeleton dynamics during cell migration. Scientific Reports, 2016, 6, 36570.	3.3	50
25	Mitochondrial Dynamics: ER Actin Tightens the Drp1 Noose. Current Biology, 2016, 26, R207-R209.	3.9	34
26	Bcl-2 proteins, cell migration and embryonic development: lessons from zebrafish. Cell Death and Disease, 2015, 6, e1910-e1910.	6.3	12
27	CCDC90A (MCUR1) Is a Cytochrome c Oxidase Assembly Factor and Not a Regulator of the Mitochondrial Calcium Uniporter. Cell Metabolism, 2015, 21, 109-116.	16.2	107
28	MAPL SUMOylation of Drp1 Stabilizes an ER/Mitochondrial Platform Required for Cell Death. Molecular Cell, 2015, 59, 941-955.	9.7	252
29	Nrz but not zBcl-xL antagonizes Bcl-wav pro-apoptotic activity in zebrafish. Communicative and Integrative Biology, 2014, 7, e28008.	1.4	3
30	The Bcl-2 Homolog Nrz Inhibits Binding of IP ₃ to Its Receptor to Control Calcium Signaling During Zebrafish Epiboly. Science Signaling, 2014, 7, ra14.	3.6	31
31	A Mitofusin-2â€“dependent inactivating cleavage of Opa1 links changes in mitochondria cristae and ER contacts in the postprandial liver. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16017-16022.	7.1	148
32	Non-apoptotic roles of Bcl-2 family: The calcium connection. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1755-1765.	4.1	97
33	Bcl-wav and the mitochondrial calcium uniporter drive gastrula morphogenesis in zebrafish. Nature Communications, 2013, 4, 2330.	12.8	64
34	Src tyrosine kinase inhibits apoptosis through the Erk1/2- dependent degradation of the death accelerator Bik. Cell Death and Differentiation, 2012, 19, 1459-1469.	11.2	43
35	The Apoptotic Regulator Nrz Controls Cytoskeletal Dynamics via the Regulation of Ca2+ Trafficking in the Zebrafish Blastula. Developmental Cell, 2011, 20, 663-676.	7.0	51
36	Cytoskeleton dynamics in early zebrafish development. Bioarchitecture, 2011, 1, 216-220.	1.5	18

#	Article	IF	Citations
37	Bax-derived membrane-active peptides act as potent and direct inducers of apoptosis in cancer cells. Journal of Cell Science, 2011, 124, 556-564.	2.0	50
38	The yolk cell of the zebrafish blastula harbors functional apoptosis machinery. Communicative and Integrative Biology, 2011, 4, 549-551.	1.4	5
39	The yolk cell of the zebrafish blastula harbors functional apoptosis machinery. Communicative and Integrative Biology, 2011, 4, 549-551.	1.4	1
40	Control of Programmed Cell Death During Zebrafish Embryonic Development. , 0, , .		2