

Anton Petcherski

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,377
citations

687363

13
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

4602
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitophagy is triggered by mild oxidative stress in a mitochondrial fission dependent manner. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 2297-2310.	4.1	373
2	Mitochondria Bound to Lipid Droplets Have Unique Bioenergetics, Composition, and Dynamics that Support Lipid Droplet Expansion. <i>Cell Metabolism</i> , 2018, 27, 869-885.e6.	16.2	359
3	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. <i>Human Molecular Genetics</i> , 2014, 23, 2005-2022.	2.9	121
4	A novel approach to measure mitochondrial respiration in frozen biological samples. <i>EMBO Journal</i> , 2020, 39, e104073.	7.8	110
5	Unbiased Cell-based Screening in a Neuronal Cell Model of Batten Disease Highlights an Interaction between Ca ²⁺ Homeostasis, Autophagy, and CLN3 Protein Function. <i>Journal of Biological Chemistry</i> , 2015, 290, 14361-14380.	3.4	75
6	Patient-specific iPSCs carrying an SFTPC mutation reveal the intrinsic alveolar epithelial dysfunction at the inception of interstitial lung disease. <i>Cell Reports</i> , 2021, 36, 109636.	6.4	48
7	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. <i>Nature Metabolism</i> , 2020, 2, 974-988.	11.9	40
8	The biology of lipid droplet-bound mitochondria. <i>Seminars in Cell and Developmental Biology</i> , 2020, 108, 55-64.	5.0	38
9	Blocking mitochondrial pyruvate import in brown adipocytes induces energy wasting via lipid cycling. <i>EMBO Reports</i> , 2020, 21, e49634.	4.5	31
10	Cell cycle-related metabolism and mitochondrial dynamics in a replication-competent pancreatic beta-cell line. <i>Cell Cycle</i> , 2017, 16, 2086-2099.	2.6	27
11	Sphingosine kinase 2 is a negative regulator of inflammatory macrophage activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1235-1246.	2.4	27
12	Ellagic Acid and Its Microbial Metabolite Urolithin A Alleviate Diet-Induced Insulin Resistance in Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000091.	3.3	23
13	FRET-Assisted Determination of CLN3 Membrane Topology. <i>PLoS ONE</i> , 2014, 9, e102593.	2.5	21
14	Recruitment and remodeling of peridroplet mitochondria in human adipose tissue. <i>Redox Biology</i> , 2021, 46, 102087.	9.0	17
15	Elamipretide Promotes Mitophagosome Formation and Prevents Its Reduction Induced by Nutrient Excess in INS1 β -cells. <i>Journal of Molecular Biology</i> , 2018, 430, 4823-4833.	4.2	14
16	An Autophagy Modifier Screen Identifies Small Molecules Capable of Reducing Autophagosome Accumulation in a Model of CLN3-Mediated Neurodegeneration. <i>Cells</i> , 2019, 8, 1531.	4.1	14
17	Altered Expression of Ganglioside Metabolizing Enzymes Results in GM3 Ganglioside Accumulation in Cerebellar Cells of a Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 625.	4.1	12
18	MitoTimer-based high-content screen identifies two chemically-related benzothioephene derivatives that enhance basal mitophagy. <i>Biochemical Journal</i> , 2020, 477, 461-475.	3.7	11

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19	The ApoA-I mimetic peptide 4F attenuates in vitro replication of SARS-CoV-2, associated apoptosis, oxidative stress and inflammation in epithelial cells. <i>Virulence</i> , 2021, 12, 2214-2227.	4.4	9