

Riccardo Filadi

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,841
citations

361413

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377865

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g-index

41
all docs

41
docs citations

41
times ranked

4585
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitofusin 2 ablation increases endoplasmic reticulum-mitochondria coupling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2174-81.	7.1	449
2	Modulation of the endoplasmic reticulum-mitochondria interface in Alzheimer's disease and related models. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7916-7921.	7.1	381
3	Calcium, mitochondria and cell metabolism: A functional triangle in bioenergetics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1068-1078.	4.1	257
4	Mitofusin 2: from functions to disease. Cell Death and Disease, 2018, 9, 330.	6.3	230
5	The endoplasmic reticulum-mitochondria coupling in health and disease: Molecules, functions and significance. Cell Calcium, 2017, 62, 1-15.	2.4	193
6	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. Cell Death and Differentiation, 2018, 25, 1131-1145.	11.2	174
7	Presenilin 2 Modulates Endoplasmic Reticulum-Mitochondria Coupling by Tuning the Antagonistic Effect of Mitofusin 2. Cell Reports, 2016, 15, 2226-2238.	6.4	138
8	Mitochondrial Ca ²⁺ homeostasis: mechanism, role, and tissue specificities. Pflugers Archiv European Journal of Physiology, 2012, 464, 3-17.	2.8	125
9	Mitofusin ² knockdown increases ER-mitochondria contact and decreases amyloid β peptide production. Journal of Cellular and Molecular Medicine, 2016, 20, 1686-1695.	3.6	124
10	TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca ²⁺ Transfer. Current Biology, 2018, 28, 369-382.e6.	3.9	109
11	PSEN2 (presenilin 2) mutants linked to familial Alzheimer disease impair autophagy by altering Ca ²⁺ homeostasis. Autophagy, 2019, 15, 2044-2062.	9.1	78
12	Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimer's Disease-Related Models. Cell Reports, 2020, 30, 2332-2348.e10.	6.4	67
13	Highlighting the endoplasmic reticulum-mitochondria connection: Focus on Mitofusin 2. Pharmacological Research, 2018, 128, 42-51.	7.1	63
14	Hexokinase 2 displacement from mitochondria-associated membranes prompts Ca ²⁺ -dependent death of cancer cells. EMBO Reports, 2020, 21, e49117.	4.5	62
15	Generation and functions of second messengers microdomains. Cell Calcium, 2015, 58, 405-414.	2.4	58
16	Defining the molecular mechanisms of the mitochondrial permeability transition through genetic manipulation of F-ATP synthase. Nature Communications, 2021, 12, 4835.	12.8	52
17	On the role of Mitofusin 2 in endoplasmic reticulum-mitochondria tethering. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2266-E2267.	7.1	50
18	The Concerted Action of Mitochondrial Dynamics and Positioning: New Characters in Cancer Onset and Progression. Frontiers in Oncology, 2017, 7, 102.	2.8	29

#	ARTICLE	IF	CITATIONS
19	Excitotoxicity Revisited: Mitochondria on the Verge of a Nervous Breakdown. Trends in Neurosciences, 2021, 44, 342-351.	8.6	27
20	Spying on organelle Ca ²⁺ in living cells: the mitochondrial point of view. Journal of Endocrinological Investigation, 2015, 38, 39-45.	3.3	22
21	Presenilin-2 and Calcium Handling: Molecules, Organelles, Cells and Brain Networks. Cells, 2020, 9, 2166.	4.1	21
22	Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. BMC Biology, 2021, 19, 57.	3.8	21
23	Sarcoplasmic Reticulum-Mitochondria Kissing in Cardiomyocytes: Ca ²⁺ , ATP, and Undisclosed Secrets. Frontiers in Cell and Developmental Biology, 2020, 8, 532.	3.7	20
24	Beyond Intracellular Signaling: The Ins and Outs of Second Messengers Microdomains. Advances in Experimental Medicine and Biology, 2017, 981, 279-322.	1.6	17
25	The yin and yang of mitochondrial Ca ²⁺ signaling in cell physiology and pathology. Cell Calcium, 2021, 93, 102321.	2.4	14
26	Better to keep in touch: investigating inter-organelle cross-talk. FEBS Journal, 2021, 288, 740-755.	4.7	13
27	Mitochondrial calcium handling and neurodegeneration: when a good signal goes wrong. Current Opinion in Physiology, 2020, 17, 224-233.	1.8	12
28	Defective autophagy and Alzheimer's disease: is calcium the key?. Neural Regeneration Research, 2019, 14, 2081.	3.0	11
29	Familial Alzheimer's disease presenilin-2 mutants affect Ca ²⁺ homeostasis and brain network excitability. Aging Clinical and Experimental Research, 2021, 33, 1705-1708.	2.9	7
30	Loosening ER-Mitochondria Coupling by the Expression of the Presenilin 2 Loop Domain. Cells, 2021, 10, 1968.	4.1	7
31	ER-mitochondria tethering and Ca ²⁺ crosstalk: The IP3R team takes the field. Cell Calcium, 2019, 84, 102101.	2.4	5
32	Analysis of the Effects of Hexokinase 2 Detachment From Mitochondria-Associated Membranes with the Highly Selective Peptide HK2pep. Bio-protocol, 2021, 11, e4087.	0.4	2
33	Mitochondrial Ca ²⁺ Handling and Behind: The Importance of Being in Contact with Other Organelles. Biological and Medical Physics Series, 2017, , 3-39.	0.4	1
34	Displacement of Hexokinase 2 from mitochondria induces mitochondrial Ca ²⁺ overload and calpain-dependent cell death in cancer cells. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e5.	1.0	1
35	Endoplasmic Reticulum-mitochondria connections, calcium cross-talk and cell fate: a closer inspection. , 2012, , 75-106.		0
36	[P196]: EFFECT OF PRESENILIN 2 MUTATION LINKED TO FAMILIAL ALZHEIMER'S DISEASE ON CELL METABOLISM. Alzheimer's and Dementia, 2017, 13, P317.	0.8	0

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37	[F3a€“06a€“02]: ALTERATIONS IN ERa€“MITOCHONDRIA CALCIUM TRANSFER INDUCED BY ALZHEIMER'S DISEASEa€“LINKED PS2 MUTANTS IMPACT DIFFERENT CELL FUNCTIONALITIES. Alzheimer's and Dementia, 2017, 13, P886.	0.8	0