

Saverio Marchi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

6,237
citations

41
h-index

78
g-index

82
ext. papers

7,426
ext. citations

7.7
avg, IF

5.91
L-index

#	Paper	IF	Citations
73	Protein kinase C beta and prolyl isomerase 1 regulate mitochondrial effects of the life-span determinant p66Shc. <i>Science</i> , 2007 , 315, 659-63	33.3	404
72	Mitochondria-ros crosstalk in the control of cell death and aging. <i>Journal of Signal Transduction</i> , 2012 , 2012, 329635		388
71	Role of the c subunit of the FO ATP synthase in mitochondrial permeability transition. <i>Cell Cycle</i> , 2013 , 12, 674-83	4.7	357
70	Ca(2+) transfer from the ER to mitochondria: when, how and why. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 1342-51	4.6	342
69	The endoplasmic reticulum-mitochondria connection: one touch, multiple functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 461-9	4.6	304
68	The machineries, regulation and cellular functions of mitochondrial calcium. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 713-730	48.7	288
67	Mitochondrial Ca(2+) and apoptosis. <i>Cell Calcium</i> , 2012 , 52, 36-43	4	280
66	Calcium signaling around Mitochondria Associated Membranes (MAMs). <i>Cell Communication and Signaling</i> , 2011 , 9, 19	7.5	246
65	Mitochondrial and endoplasmic reticulum calcium homeostasis and cell death. <i>Cell Calcium</i> , 2018 , 69, 62-72	4	241
64	ATP synthesis and storage. <i>Purinergic Signalling</i> , 2012 , 8, 343-57	3.8	199
63	The mitochondrial calcium uniporter complex: molecular components, structure and physiopathological implications. <i>Journal of Physiology</i> , 2014 , 592, 829-39	3.9	192
62	Identification of PTEN at the ER and MAMs and its regulation of Ca(2+) signaling and apoptosis in a protein phosphatase-dependent manner. <i>Cell Death and Differentiation</i> , 2013 , 20, 1631-43	12.7	181
61	Protein kinases and phosphatases in the control of cell fate. <i>Enzyme Research</i> , 2011 , 2011, 329098	2.4	175
60	Downregulation of the mitochondrial calcium uniporter by cancer-related miR-25. <i>Current Biology</i> , 2013 , 23, 58-63	6.3	174
59	Selective modulation of subtype III IPB by Akt regulates ER Ca ²⁺ release and apoptosis. <i>Cell Death and Disease</i> , 2012 , 3, e304	9.8	126
58	Subcellular calcium measurements in mammalian cells using jellyfish photoprotein aequorin-based probes. <i>Nature Protocols</i> , 2013 , 8, 2105-18	18.8	125
57	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. <i>Mitochondrion</i> , 2012 , 12, 77-85	4.9	121

56	Redox control of protein kinase C: cell- and disease-specific aspects. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 1051-85	8.4	103
55	Use of luciferase probes to measure ATP in living cells and animals. <i>Nature Protocols</i> , 2017 , 12, 1542-1562	28.8	102
54	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , 2018 , 340, 209-344	6	102
53	Mitochondrial Ca ²⁺ -dependent NLRP3 activation exacerbates the <i>Pseudomonas aeruginosa</i> -driven inflammatory response in cystic fibrosis. <i>Nature Communications</i> , 2015 , 6, 6201	17.4	101
52	Akt kinase reducing endoplasmic reticulum Ca ²⁺ release protects cells from Ca ²⁺ -dependent apoptotic stimuli. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 375, 501-5	3.4	97
51	Mcl-1 involvement in mitochondrial dynamics is associated with apoptotic cell death. <i>Molecular Biology of the Cell</i> , 2016 , 27, 20-34	3.5	89
50	Defective autophagy is a key feature of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1403-17	12	83
49	KRIT1 regulates the homeostasis of intracellular reactive oxygen species. <i>PLoS ONE</i> , 2010 , 5, e11786	3.7	81
48	Role of Mitochondria-Associated ER Membranes in Calcium Regulation in Cancer-Specific Settings. <i>Neoplasia</i> , 2018 , 20, 510-523	6.4	77
47	Endoplasmic Reticulum-Mitochondria Communication Through Ca Signaling: The Importance of Mitochondria-Associated Membranes (MAMs). <i>Advances in Experimental Medicine and Biology</i> , 2017 , 997, 49-67	3.6	73
46	Alterations of calcium homeostasis in cancer cells. <i>Current Opinion in Pharmacology</i> , 2016 , 29, 1-6	5.1	72
45	Tumor necrosis factor- α impairs oligodendroglial differentiation through a mitochondria-dependent process. <i>Cell Death and Differentiation</i> , 2014 , 21, 1198-208	12.7	71
44	Mitochondria-associated membranes (MAMs) as hotspot Ca ²⁺ signaling units. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 740, 411-37	3.6	62
43	Transglutaminase Type 2 Regulates ER-Mitochondria Contact Sites by Interacting with GRP75. <i>Cell Reports</i> , 2018 , 25, 3573-3581.e4	10.6	61
42	Perturbed mitochondrial Ca ²⁺ signals as causes or consequences of mitophagy induction. <i>Autophagy</i> , 2013 , 9, 1677-86	10.2	59
41	Ca Fluxes and Cancer. <i>Molecular Cell</i> , 2020 , 78, 1055-1069	17.6	54
40	PRKCB/protein kinase C, beta and the mitochondrial axis as key regulators of autophagy. <i>Autophagy</i> , 2013 , 9, 1367-85	10.2	54
39	Intramitochondrial calcium regulation by the FHIT gene product sensitizes to apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12753-8	11.5	52

38	Akt-mediated phosphorylation of MICU1 regulates mitochondrial Ca levels and tumor growth. <i>EMBO Journal</i> , 2019 , 38,	13	52
37	H-Ras-driven tumoral maintenance is sustained through caveolin-1-dependent alterations in calcium signaling. <i>Oncogene</i> , 2014 , 33, 2329-40	9.2	51
36	Noncanonical Cell Fate Regulation by Bcl-2 Proteins. <i>Trends in Cell Biology</i> , 2020 , 30, 537-555	18.3	44
35	Mitochondria-Associated Endoplasmic Reticulum Membranes Microenvironment: Targeting Autophagic and Apoptotic Pathways in Cancer Therapy. <i>Frontiers in Oncology</i> , 2015 , 5, 173	5.3	44
34	Mitophagy in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	42
33	Mitochondria in Multiple Sclerosis: Molecular Mechanisms of Pathogenesis. <i>International Review of Cell and Molecular Biology</i> , 2017 , 328, 49-103	6	41
32	Oncogenic and oncosuppressive signal transduction at mitochondria-associated endoplasmic reticulum membranes. <i>Molecular and Cellular Oncology</i> , 2014 , 1, e956469	1.2	36
31	Autophagy and mitophagy elements are increased in body fluids of multiple sclerosis-affected individuals. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 439-441	5.5	36
30	TFEB-mediated increase in peripheral lysosomes regulates store-operated calcium entry. <i>Scientific Reports</i> , 2017 , 7, 40797	4.9	28
29	Alterations in Ca Signalling via ER-Mitochondria Contact Site Remodelling in Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 997, 225-254	3.6	25
28	Mitochondrial calcium uniporter complex modulation in cancerogenesis. <i>Cell Cycle</i> , 2019 , 18, 1068-1083	4.7	24
27	Dopamine D2 receptor-mediated neuroprotection in a G2019S Lrrk2 genetic model of Parkinson's disease. <i>Cell Death and Disease</i> , 2018 , 9, 204	9.8	24
26	Interorganellar calcium signaling in the regulation of cell metabolism: A cancer perspective. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 98, 167-180	7.5	24
25	Cellular processes underlying cerebral cavernous malformations: Autophagy as another point of view. <i>Autophagy</i> , 2016 , 12, 424-5	10.2	20
24	Beyond multiple mechanisms and a unique drug: Defective autophagy as pivotal player in cerebral cavernous malformation pathogenesis and implications for targeted therapies. <i>Rare Diseases (Austin, Tex)</i> , 2016 , 4, e1142640		18
23	Mitochondrial calcium uniporter, MiRNA and cancer: Live and let die. <i>Communicative and Integrative Biology</i> , 2013 , 6, e23818	1.7	17
22	KRIT1 Deficiency Promotes Aortic Endothelial Dysfunction. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
21	High mitochondrial Ca content increases cancer cell proliferation upon inhibition of mitochondrial permeability transition pore (mPTP). <i>Cell Cycle</i> , 2019 , 18, 914-916	4.7	15

20	IP receptor blockade restores autophagy and mitochondrial function in skeletal muscle fibers of dystrophic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3685-3695	6.9	15
19	Endoplasmic reticulum/mitochondria calcium cross-talk. <i>Novartis Foundation Symposium</i> , 2007 , 287, 122-31; discussion 131-9		15
18	Citrate Mediates Crosstalk between Mitochondria and the Nucleus to Promote Human Mesenchymal Stem Cell In Vitro Osteogenesis. <i>Cells</i> , 2020 , 9,	7.9	13
17	Methods to Assess Mitochondrial Morphology in Mammalian Cells Mounting Autophagic or Mitophagic Responses. <i>Methods in Enzymology</i> , 2017 , 588, 171-186	1.7	12
16	Endoplasmic Reticulum/Mitochondria Calcium Cross-Talk. <i>Novartis Foundation Symposium</i> , 122-139		12
15	The chaperone-like sodium phenylbutyrate improves factor IX intracellular trafficking and activity impaired by the frequent p.R294Q mutation. <i>Journal of Thrombosis and Haemostasis</i> , 2018 , 16, 2035-2043	15.4	10
14	Cancer-Related Increases and Decreases in Calcium Signaling at the Endoplasmic Reticulum-Mitochondria Interface (MAMs). <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020 , 1	2.9	9
13	The heme synthesis-export system regulates the tricarboxylic acid cycle flux and oxidative phosphorylation. <i>Cell Reports</i> , 2021 , 35, 109252	10.6	8
12	Translational readthrough of nonsense mutations suggests dominant-negative effects exerted by the interaction of wild-type and missense variants. <i>RNA Biology</i> , 2020 , 17, 254-263	4.8	8
11	Antipsychotic drugs counteract autophagy and mitophagy in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
10	Control of host mitochondria by bacterial pathogens. <i>Trends in Microbiology</i> , 2021 ,	12.4	6
9	Impaired mitochondrial quality control in Rett Syndrome. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 700, 108790	4.1	4
8	Mitochondria, calcium signaling and cell death by apoptosis and autophagy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 4	4.6	2
7	Molecular Characterization of the Dominant-Negative Role of Cancer-Associated PTEN: Sometimes, Null is Better. <i>Frontiers in Oncology</i> , 2014 , 4, 276	5.3	1
6	Heterotopic ossification in a patient with diffuse idiopathic skeletal hyperostosis: Input from histological findings. <i>European Journal of Histochemistry</i> , 2020 , 64,	2.1	1
5	MitopatHs: a new logically-framed tool for visualizing multiple mitochondrial pathways. <i>IScience</i> , 2021 , 24, 102324	6.1	1
4	Methods to Monitor Mitophagy and Mitochondrial Quality: Implications in Cancer, Neurodegeneration, and Cardiovascular Diseases. <i>Methods in Molecular Biology</i> , 2021 , 2310, 113-159	1.4	1
3	The less-known face of dupilumab: its role in mesenchymal stem cells by interleukin-13 modulation. <i>British Journal of Dermatology</i> , 2021 , 185, 217-219	4	0

- 2 The RED light is on! New tools for monitoring Ca²⁺ dynamics in the endoplasmic reticulum and mitochondria. *Biochemical Journal*, **2014**, 464, e5-6 3.8
- 1 Detection of p62/SQSTM1 Aggregates in Cellular Models of CCM Disease by Immunofluorescence. *Methods in Molecular Biology*, **2020**, 2152, 417-426 1.4