

Simone Patergnani

List of Publications by Year in Descending Order

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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.

75
papers

5,123
citations

35
h-index

71
g-index

82
ext. papers

6,360
ext. citations

7
avg, IF

5.59
L-index

#	Paper	IF	Citations
75	Activation of the sigma-1 receptor chaperone alleviates symptoms of Wolfram syndrome in preclinical models.. <i>Science Translational Medicine</i> , 2022 , 14, eabh3763	17.5	3
74	Calcium dysregulation in heart diseases: Targeting calcium channels to achieve a correct calcium homeostasis.. <i>Pharmacological Research</i> , 2022 , 177, 106119	10.2	4
73	Understanding the Role of Autophagy in Cancer Formation and Progression Is a Real Opportunity to Treat and Cure Human Cancers. <i>Cancers</i> , 2021 , 13,	6.6	4
72	BAP1 forms a trimer with HMGB1 and HDAC1 that modulates gene environment interaction with asbestos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
71	From Bed to Bench and Back: TNF-IL-23/IL-17A, and JAK-Dependent Inflammation in the Pathogenesis of Psoriatic Synovitis. <i>Frontiers in Pharmacology</i> , 2021 , 12, 672515	5.6	4
70	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
69	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
68	Different Roles of Mitochondria in Cell Death and Inflammation: Focusing on Mitochondrial Quality Control in Ischemic Stroke and Reperfusion. <i>Biomedicines</i> , 2021 , 9,	4.8	16
67	Mitochondrial Oxidative Stress and "Mito-Inflammation": Actors in the Diseases. <i>Biomedicines</i> , 2021 , 9,	4.8	21
66	Relevance of Autophagy and Mitophagy Dynamics and Markers in Neurodegenerative Diseases. <i>Biomedicines</i> , 2021 , 9,	4.8	10
65	Update on Calcium Signaling in Cystic Fibrosis Lung Disease. <i>Frontiers in Pharmacology</i> , 2021 , 12, 581645	5.6	5
64	Impairment of mitophagy and autophagy accompanies calcific aortic valve stenosis favoring cell death and the severity of disease. <i>Cardiovascular Research</i> , 2021 ,	9.9	8
63	Adding a "Notch" to Cardiovascular Disease Therapeutics: A MicroRNA-Based Approach. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 695114	5.7	7
62	Calcium mishandling in absence of primary mitochondrial dysfunction drives cellular pathology in Wolfram Syndrome. <i>Scientific Reports</i> , 2020 , 10, 4785	4.9	16
61	Mitophagy in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	42
60	Physiopathology of the Permeability Transition Pore: Molecular Mechanisms in Human Pathology. <i>Biomolecules</i> , 2020 , 10,	5.9	40
59	Fluorescent Light Energy (FLE) Acts on Mitochondrial Physiology Improving Wound Healing. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7

58	Measurement of ATP concentrations in mitochondria of living cells using luminescence and fluorescence approaches. <i>Methods in Cell Biology</i> , 2020 , 155, 199-219	1.8	8
57	Hydroxylapatite-collagen hybrid scaffold induces human adipose-derived mesenchymal stem cells to osteogenic differentiation in vitro and bone regrowth in patients. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 377-388	6.9	27
56	The Dichotomous Role of Inflammation in the CNS: A Mitochondrial Point of View. <i>Biomolecules</i> , 2020 , 10,	5.9	11
55	Asbestos induces mesothelial cell transformation via HMGB1-driven autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25543-25552	11.5	23
54	Rehabilitation Improves Mitochondrial Energetics in Progressive Multiple Sclerosis: The Significant Role of Robot-Assisted Gait Training and of the Personalized Intensity. <i>Diagnostics</i> , 2020 , 10,	3.8	4
53	Mitochondrial Stress Responses and "Mito-Inflammation" in Cystic Fibrosis. <i>Frontiers in Pharmacology</i> , 2020 , 11, 581114	5.6	8
52	Aortic Valve Stenosis and Mitochondrial Dysfunctions: Clinical and Molecular Perspectives. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
51	Various Aspects of Calcium Signaling in the Regulation of Apoptosis, Autophagy, Cell Proliferation, and Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	32
50	The induction of AMPK-dependent autophagy leads to P53 degradation and affects cell growth and migration in kidney cancer cells. <i>Experimental Cell Research</i> , 2020 , 395, 112190	4.2	10
49	Metformin Induces Apoptosis and Inhibits Notch1 in Malignant Pleural Mesothelioma Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 534499	5.7	1
48	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
47	Mitochondrial functionality and metabolism in T cells from progressive multiple sclerosis patients. <i>European Journal of Immunology</i> , 2019 , 49, 2204-2221	6.1	17
46	Correlation between auto/mitophagic processes and magnetic resonance imaging activity in multiple sclerosis patients. <i>Journal of Neuroinflammation</i> , 2019 , 16, 131	10.1	20
45	ER-mitochondria crosstalk is regulated by NCS1 and is impaired in Wolfram syndrome. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019 , 92, 3-P-036	0	
44	Autophagy and mitophagy biomarkers are reduced in sera of patients with Alzheimer's disease and mild cognitive impairment. <i>Scientific Reports</i> , 2019 , 9, 20009	4.9	40
43	Mitochondria-associated membranes (MAMs) and inflammation. <i>Cell Death and Disease</i> , 2018 , 9, 329	9.8	105
42	Calcium Dynamics as a Machine for Decoding Signals. <i>Trends in Cell Biology</i> , 2018 , 28, 258-273	18.3	103
41	Vav1 is necessary for PU.1 mediated upmodulation of miR-29b in acute myeloid leukaemia-derived cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 3149-3158	5.6	7

40	Mitochondrial and endoplasmic reticulum calcium homeostasis and cell death. <i>Cell Calcium</i> , 2018 , 69, 62-72	4	241
39	LonP1 Differently Modulates Mitochondrial Function and Bioenergetics of Primary Versus Metastatic Colon Cancer Cells. <i>Frontiers in Oncology</i> , 2018 , 8, 254	5.3	20
38	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
37	ER-mitochondria cross-talk is regulated by the Ca sensor NCS1 and is impaired in Wolfram syndrome. <i>Science Signaling</i> , 2018 , 11,	8.8	48
36	Endoplasmic reticulum-mitochondria Ca crosstalk in the control of the tumor cell fate. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 858-864	4.9	32
35	Calcium regulates cell death in cancer: Roles of the mitochondria and mitochondria-associated membranes (MAMs). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017 , 1858, 615-627	4.6	111
34	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
33	BAP1 regulates IP3R3-mediated Ca flux to mitochondria suppressing cell transformation. <i>Nature</i> , 2017 , 546, 549-553	50.4	211
32	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
31	Human adipose stem cells induced to osteogenic differentiation by an innovative collagen/hydroxylapatite hybrid scaffold. <i>FASEB Journal</i> , 2017 , 31, 4555-4565	0.9	18
30	Germline BAP1 mutations induce a Warburg effect. <i>Cell Death and Differentiation</i> , 2017 , 24, 1694-1704	12.7	75
29	Mitochondria in Multiple Sclerosis: Molecular Mechanisms of Pathogenesis. <i>International Review of Cell and Molecular Biology</i> , 2017 , 328, 49-103	6	41
28	PML at Mitochondria-Associated Membranes Is Critical for the Repression of Autophagy and Cancer Development. <i>Cell Reports</i> , 2016 , 16, 2415-27	10.6	90
27	Syndromic parkinsonism and dementia associated with OPA1 missense mutations. <i>Annals of Neurology</i> , 2015 , 78, 21-38	9.4	119
26	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
25	Defective autophagy is a key feature of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1403-17	12	83
24	Mitochondrial Ca(2+) Remodeling is a Prime Factor in Oncogenic Behavior. <i>Frontiers in Oncology</i> , 2015 , 5, 143	5.3	26
23	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

22	Mitochondria-associated membranes: composition, molecular mechanisms, and physiopathological implications. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 995-1019	8.4	200
21	The endoplasmic reticulum mitochondrial calcium cross talk is downregulated in malignant pleural mesothelioma cells and plays a critical role in apoptosis inhibition. <i>Oncotarget</i> , 2015 , 6, 23427-44	3.3	25
20	Mitophagy and mitochondrial balance. <i>Methods in Molecular Biology</i> , 2015 , 1241, 181-94	1.4	31
19	The endoplasmic reticulum-mitochondria connection: one touch, multiple functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 461-9	4.6	304
18	Methods to monitor and compare mitochondrial and glycolytic ATP production. <i>Methods in Enzymology</i> , 2014 , 542, 313-32	1.7	22
17	NRIP1/RIP140 siRNA-mediated attenuation counteracts mitochondrial dysfunction in Down syndrome. <i>Human Molecular Genetics</i> , 2014 , 23, 4406-19	5.6	34
16	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
15	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
14	Subcellular calcium measurements in mammalian cells using jellyfish photoprotein aequorin-based probes. <i>Nature Protocols</i> , 2013 , 8, 2105-18	18.8	125
13	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
12	Downregulation of the mitochondrial calcium uniporter by cancer-related miR-25. <i>Current Biology</i> , 2013 , 23, 58-63	6.3	174
11	Chemoresistance and Cancer-Related Inflammation: Two Hallmarks of Cancer Connected by an Atypical Link, PKC β . <i>Frontiers in Oncology</i> , 2013 , 3, 232	5.3	13
10	PRKCB/protein kinase C, beta and the mitochondrial axis as key regulators of autophagy. <i>Autophagy</i> , 2013 , 9, 1367-85	10.2	54
9	Perturbed mitochondrial Ca ²⁺ signals as causes or consequences of mitophagy induction. <i>Autophagy</i> , 2013 , 9, 1677-86	10.2	59
8	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. <i>Mitochondrion</i> , 2012 , 12, 77-85	4.9	121
7	ATP synthesis and storage. <i>Purinergic Signalling</i> , 2012 , 8, 343-57	3.8	199
6	Mitochondrial Ca(2+) and apoptosis. <i>Cell Calcium</i> , 2012 , 52, 36-43	4	280
5	Mitochondria-ros crosstalk in the control of cell death and aging. <i>Journal of Signal Transduction</i> , 2012 , 2012, 329635		388

4	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
3	Calcium signaling around Mitochondria Associated Membranes (MAMs). <i>Cell Communication and Signaling</i> , 2011 , 9, 19	7.5	246
2	Protein kinases and phosphatases in the control of cell fate. <i>Enzyme Research</i> , 2011 , 2011, 329098	2.4	175
1	Redox control of protein kinase C: cell- and disease-specific aspects. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 1051-85	8.4	103