

Alessandro Rimessi

List of Publications by Citations

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73
papers

5,649
citations

37
h-index

75
g-index

77
ext. papers

6,620
ext. citations

6.8
avg, IF

5.33
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	Mitochondrial Ca(2+) and apoptosis. <i>Cell Calcium</i> , 2012 , 52, 36-43	4	280
68	Calcium signaling around Mitochondria Associated Membranes (MAMs). <i>Cell Communication and Signaling</i> , 2011 , 9, 19	7.5	246
67	Mitochondrial and endoplasmic reticulum calcium homeostasis and cell death. <i>Cell Calcium</i> , 2018 , 69, 62-72	4	241
66	High glucose induces adipogenic differentiation of muscle-derived stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1226-31	11.5	214
65	ATP synthesis and storage. <i>Purinergic Signalling</i> , 2012 , 8, 343-57	3.8	199
64	Protein kinases and phosphatases in the control of cell fate. <i>Enzyme Research</i> , 2011 , 2011, 329098	2.4	175
63	Downregulation of the mitochondrial calcium uniporter by cancer-related miR-25. <i>Current Biology</i> , 2013 , 23, 58-63	6.3	174
62	Ero1 β regulates Ca(2+) fluxes at the endoplasmic reticulum-mitochondria interface (MAM). <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 1077-87	8.4	150
61	Selective modulation of subtype III IPR by Akt regulates ER Ca $^{2+}$ release and apoptosis. <i>Cell Death and Disease</i> , 2012 , 3, e304	9.8	126
60	Subcellular calcium measurements in mammalian cells using jellyfish photoprotein aequorin-based probes. <i>Nature Protocols</i> , 2013 , 8, 2105-18	18.8	125
59	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. <i>Mitochondrion</i> , 2012 , 12, 77-85	4.9	121
58	Redox control of protein kinase C: cell- and disease-specific aspects. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 1051-85	8.4	103
57	Calcium and mitochondria: mechanisms and functions of a troubled relationship. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004 , 1742, 119-31	4.9	103

56	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
55	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
54	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
53	Mitochondrial reactive oxygen species and inflammation: Molecular mechanisms, diseases and promising therapies. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 281-293	5.6	96
52	The versatility of mitochondrial calcium signals: from stimulation of cell metabolism to induction of cell death. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 808-16	4.6	90
51	The SUMO E3-ligase PIAS1 regulates the tumor suppressor PML and its oncogenic counterpart PML-RARA. <i>Cancer Research</i> , 2012 , 72, 2275-84	10.1	88
50	Defective autophagy is a key feature of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1403-17	12	83
49	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
48	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
47	Biosensors for the detection of calcium and pH. <i>Methods in Cell Biology</i> , 2007 , 80, 297-325	1.8	69
46	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
45	Perturbed mitochondrial Ca ²⁺ signals as causes or consequences of mitophagy induction. <i>Autophagy</i> , 2013 , 9, 1677-86	10.2	59
44	Inhibitory interaction of the 14-3-3{epsilon} protein with isoform 4 of the plasma membrane Ca ²⁺ -ATPase pump. <i>Journal of Biological Chemistry</i> , 2005 , 280, 37195-203	5.4	58
43	PRKCB/protein kinase C, beta and the mitochondrial axis as key regulators of autophagy. <i>Autophagy</i> , 2013 , 9, 1367-85	10.2	54
42	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
41	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
40	Plasmatic extracellular vesicle microRNAs in malignant pleural mesothelioma and asbestos-exposed subjects suggest a 2-miRNA signature as potential biomarker of disease. <i>PLoS ONE</i> , 2017 , 12, e0176680	3.7	50
39	Regulation of Calcium Fluxes by GPX8, a Type-II Transmembrane Peroxidase Enriched at the Mitochondria-Associated Endoplasmic Reticulum Membrane. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 583-595	8.4	46

38	Human aquaporin-11 guarantees efficient transport of HO across the endoplasmic reticulum membrane. <i>Redox Biology</i> , 2020 , 28, 101326	11.3	45
37	Regulation of Endoplasmic Reticulum-Mitochondria Ca Transfer and Its Importance for Anti-Cancer Therapies. <i>Frontiers in Oncology</i> , 2017 , 7, 180	5.3	38
36	Metformin prevents liver tumourigenesis by attenuating fibrosis in a transgenic mouse model of hepatocellular carcinoma. <i>Oncogene</i> , 2019 , 38, 7035-7045	9.2	34
35	Gelatin-genipin-based biomaterials for skeletal muscle tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 2763-2777	3.5	30
34	Pulmonary metastasectomy: an overview. <i>Journal of Thoracic Disease</i> , 2017 , 9, S1291-S1298	2.6	29
33	Phospholipase C- β is a key modulator of IL-8 expression in cystic fibrosis bronchial epithelial cells. <i>Journal of Immunology</i> , 2011 , 186, 4946-58	5.3	27
32	Transient Receptor Potential Ankyrin 1 Channels Modulate Inflammatory Response in Respiratory Cells from Patients with Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 645-656	5.7	26
31	Mitochondrial Ca(2+) Remodeling is a Prime Factor in Oncogenic Behavior. <i>Frontiers in Oncology</i> , 2015 , 5, 143	5.3	26
30	Pharmaco-toxicological effects of the novel third-generation fluorinate synthetic cannabinoids, 5F-ADBINA, AB-FUBINA, and STS-135 in mice. In vitro and in vivo studies. <i>Human Psychopharmacology</i> , 2017 , 32, e2601	2.3	25
29	Functional specificity of PMCA isoforms?. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1099, 237-46.5		25
28	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
27	Weight gain related to treatment with atypical antipsychotics is due to activation of PKC- ζ . <i>Pharmacogenomics Journal</i> , 2010 , 10, 408-17	3.5	22
26	Pharmacological modulation of mitochondrial calcium uniporter controls lung inflammation in cystic fibrosis. <i>Science Advances</i> , 2020 , 6, eaax9093	14.3	21
25	β -Sitosterol Reduces the Expression of Chemotactic Cytokine Genes in Cystic Fibrosis Bronchial Epithelial Cells. <i>Frontiers in Pharmacology</i> , 2017 , 8, 236	5.6	21
24	Differential recruitment of PKC isoforms in HeLa cells during redox stress. <i>Cell Stress and Chaperones</i> , 2007 , 12, 291-8	4	21
23	Mitochondrial Oxidative Stress and "Mito-Inflammation": Actors in the Diseases. <i>Biomedicines</i> , 2021 , 9,	4.8	21
22	The mitochondrial permeability transition pore: an evolving concept critical for cell life and death. <i>Biological Reviews</i> , 2021 , 96, 2489-2521	13.5	15
21	Efficacy of magnesium chloride in the treatment of Hailey-Hailey disease: from serendipity to evidence of its effect on intracellular Ca(2+) homeostasis. <i>International Journal of Dermatology</i> , 2015 , 54, 543-8	1.7	14

20	Functional and structural alterations in the endoplasmic reticulum and mitochondria during apoptosis triggered by C2-ceramide and CD95/APO-1/FAS receptor stimulation. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 575-81	3.4	14
19	Chemoresistance and Cancer-Related Inflammation: Two Hallmarks of Cancer Connected by an Atypical Link, PKC. <i>Frontiers in Oncology</i> , 2013 , 3, 232	5.3	13
18	Endoplasmic Reticulum/Mitochondria Calcium Cross-Talk. <i>Novartis Foundation Symposium</i> , 122-139		12
17	A novel chimeric aequorin fused with caveolin-1 reveals a sphingosine kinase 1-regulated Ca ²⁺ microdomain in the caveolar compartment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 2173-82	4.9	11
16	The selective inhibition of nuclear PKC restores the effectiveness of chemotherapeutic agents in chemoresistant cells. <i>Cell Cycle</i> , 2012 , 11, 1040-8	4.7	11
15	PLC suppression promotes the adaptation of KRAS-mutant lung adenocarcinomas to hypoxia. <i>Nature Cell Biology</i> , 2020 , 22, 1382-1395	23.4	11
14	Protein Kinase C a New Target Therapy to Prevent the Long-Term Atypical Antipsychotic-Induced Weight Gain. <i>Neuropsychopharmacology</i> , 2017 , 42, 1491-1501	8.7	10
13	Role of Cystic Fibrosis Bronchial Epithelium in Neutrophil Chemotaxis. <i>Frontiers in Immunology</i> , 2020 , 11, 1438	8.4	9
12	PLCB3 Loss of Function Reduces Pseudomonas aeruginosa-Dependent IL-8 Release in Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 428-436	5.7	8
11	Mitochondrial Stress Responses and "Mito-Inflammation" in Cystic Fibrosis. <i>Frontiers in Pharmacology</i> , 2020 , 11, 581114	5.6	8
10	Cell death as a result of calcium signaling modulation: A cancer-centric prospective. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119061	4.9	6
9	Update on Calcium Signaling in Cystic Fibrosis Lung Disease. <i>Frontiers in Pharmacology</i> , 2021 , 12, 5816455.6	5.6	5
8	Calcium dysregulation in heart diseases: Targeting calcium channels to achieve a correct calcium homeostasis.. <i>Pharmacological Research</i> , 2022 , 177, 106119	10.2	4
7	Mitochondria, calcium signaling and cell death by apoptosis and autophagy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 4	4.6	2
6	ACE2 expression and localization are regulated by CFTR: implications beyond cystic fibrosis		1
5	Efficacy of magnesium chloride in the treatment of Hailey-Hailey disease: some further considerations. <i>International Journal of Dermatology</i> , 2016 , 55, e170-1	1.7	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	Overview of CF lung pathophysiology.. <i>Current Opinion in Pharmacology</i> , 2022 , 64, 102214	5.1	1

- 2 The new target therapy to prevent weight gain associated to atypical antipsychotics: PKC β
European Psychiatry, **2017**, 41, S370-S371 6
- 1 Glyceryl Tristearate-Based Lipid Microparticles Loaded with the Tattoo Colorant, Acid Red 87:
Colorant Retention Capacity in Excised Porcine Skin. *Skin Pharmacology and Physiology*, **2020**, 33, 323-330