

Philippe Marchetti

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.

94
papers

10,676
citations

42
h-index

101
g-index

101
ext. papers

11,554
ext. citations

6.6
avg, IF

5.3
L-index

#	Paper	IF	Citations
94	Sequential reduction of mitochondrial transmembrane potential and generation of reactive oxygen species in early programmed cell death. <i>Journal of Experimental Medicine</i> , 1995 , 182, 367-77	16.6	1406
93	Mitochondrial control of nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 1996 , 183, 1533-44	16.6	1242
92	Reduction in mitochondrial potential constitutes an early irreversible step of programmed lymphocyte death in vivo. <i>Journal of Experimental Medicine</i> , 1995 , 181, 1661-72	16.6	1052
91	Bcl-2 inhibits the mitochondrial release of an apoptogenic protease. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1331-41	16.6	1029
90	The apoptosis-necrosis paradox. Apoptogenic proteases activated after mitochondrial permeability transition determine the mode of cell death. <i>Oncogene</i> , 1997 , 15, 1573-81	9.2	419
89	Targeting chelatable iron as a therapeutic modality in Parkinson's disease. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 195-210	8.4	357
88	Inhibitors of permeability transition interfere with the disruption of the mitochondrial transmembrane potential during apoptosis. <i>FEBS Letters</i> , 1996 , 384, 53-7	3.8	353
87	Terminal differentiation of human epidermal keratinocytes involves mitochondria- and caspase-dependent cell death pathway. <i>Cell Death and Differentiation</i> , 2003 , 10, 850-2	12.7	305
86	Study of mitochondrial membrane potential, reactive oxygen species, DNA fragmentation and cell viability by flow cytometry in human sperm. <i>Human Reproduction</i> , 2002 , 17, 1257-65	5.7	276
85	PK11195, a ligand of the mitochondrial benzodiazepine receptor, facilitates the induction of apoptosis and reverses Bcl-2-mediated cytoprotection. <i>Experimental Cell Research</i> , 1998 , 241, 426-34	4.2	230
84	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. <i>Nature Communications</i> , 2015 , 6, 7629	17.4	202
83	Redox regulation of apoptosis: impact of thiol oxidation status on mitochondrial function. <i>European Journal of Immunology</i> , 1997 , 27, 289-96	6.1	199
82	Adenine nucleotide translocator mediates the mitochondrial membrane permeabilization induced by lonidamine, arsenite and CD437. <i>Oncogene</i> , 2001 , 20, 7579-87	9.2	174
81	Caspase inhibition prevents cardiac dysfunction and heart apoptosis in a rat model of sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 218-25	10.2	163
80	Mitochondrial proliferation during apoptosis induced by anticancer agents: effects of doxorubicin and mitoxantrone on cancer and cardiac cells. <i>Oncogene</i> , 2004 , 23, 7018-30	9.2	148
79	The thiol crosslinking agent diamide overcomes the apoptosis-inhibitory effect of Bcl-2 by enforcing mitochondrial permeability transition. <i>Oncogene</i> , 1998 , 16, 1055-63	9.2	141
78	Mitochondrial perturbations define lymphocytes undergoing apoptotic depletion in vivo. <i>European Journal of Immunology</i> , 1995 , 25, 3277-84	6.1	141

77	Cancer cell mitochondria are direct proapoptotic targets for the marine antitumor drug lamellarin D. <i>Cancer Research</i> , 2006 , 66, 3177-87	10.1	135
76	The functionality of mitochondria differentiates human spermatozoa with high and low fertilizing capability. <i>Fertility and Sterility</i> , 2006 , 86, 1526-30	4.8	132
75	Inhibition of mitochondrial permeability transition prevents sepsis-induced myocardial dysfunction and mortality. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 377-85	15.1	128
74	Comparison of four fluorochromes for the detection of the inner mitochondrial membrane potential in human spermatozoa and their correlation with sperm motility. <i>Human Reproduction</i> , 2004 , 19, 2267-76	5.7	127
73	Mitochondrial oxidative stress is the Achilles heel of melanoma cells resistant to Braf-mutant inhibitor. <i>Oncotarget</i> , 2013 , 4, 1986-98	3.3	110
72	Mitochondrial permeability transition in apoptosis and necrosis. <i>Cell Biology and Toxicology</i> , 1998 , 14, 141-5	7.4	105
71	Mitochondrial dysfunction is an essential step for killing of non-small cell lung carcinomas resistant to conventional treatment. <i>Oncogene</i> , 2002 , 21, 65-77	9.2	105
70	Ventricular myocyte caspases are directly responsible for endotoxin-induced cardiac dysfunction. <i>Circulation</i> , 2005 , 111, 2596-604	16.7	104
69	Inactivation of the HIF-1/MDM2 signaling axis drives melanoma toward mitochondrial oxidative metabolism and potentiates the therapeutic activity of pro-oxidants. <i>Cancer Research</i> , 2012 , 72, 5035-47 ^{10.1}		99
68	Listeriosis in 225 non-pregnant patients in 1992: clinical aspects and outcome in relation to predisposing conditions. <i>Scandinavian Journal of Infectious Diseases</i> , 1996 , 28, 367-74		98
67	Apoptosis-inducing factor determines the chemoresistance of non-small-cell lung carcinomas. <i>Oncogene</i> , 2004 , 23, 6282-91	9.2	86
66	Progression of actinic keratosis to squamous cell carcinoma of the skin correlates with deletion of the 9p21 region encoding the p16(INK4a) tumor suppressor. <i>Cancer Letters</i> , 2002 , 176, 205-14	9.9	86
65	Inhibition of mitochondrial respiration mediates apoptosis induced by the anti-tumoral alkaloid lamellarin D. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 769-81	5.4	81
64	Mitochondrial electron transport is the cellular target of the oncology drug elesclomol. <i>PLoS ONE</i> , 2012 , 7, e29798	3.7	80
63	Endotoxin-induced myocardial dysfunction: evidence for a role of sphingosine production. <i>Critical Care Medicine</i> , 2004 , 32, 495-501	1.4	76
62	Lactate Inhibits the Pro-Inflammatory Response and Metabolic Reprogramming in Murine Macrophages in a GPR81-Independent Manner. <i>PLoS ONE</i> , 2016 , 11, e0163694	3.7	70
61	Defective caspase-3 relocalization in non-small cell lung carcinoma. <i>Oncogene</i> , 2001 , 20, 2877-88	9.2	64
60	Differential effects of caspase inhibitors on endotoxin-induced myocardial dysfunction and heart apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1608-14	5.2	63

59	Overcoming chemoresistance of non-small cell lung carcinoma through restoration of an AIF-dependent apoptotic pathway. <i>Oncogene</i> , 2008 , 27, 1981-92	9.2	57
58	Staining of human sperm with fluorochrome-labeled inhibitor of caspases to detect activated caspases: correlation with apoptosis and sperm parameters. <i>Human Reproduction</i> , 2004 , 19, 1127-34	5.7	52
57	Essential role of mitochondria in apoptosis of cancer cells induced by the marine alkaloid Lamellarin D. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 3307-17	6.1	48
56	Doxorubicin-induced cardiac dysfunction is attenuated by ciclosporin treatment in mice through improvements in mitochondrial bioenergetics. <i>Clinical Science</i> , 2011 , 121, 405-13	6.5	47
55	Influence of mitochondrial membrane potential of spermatozoa on in vitro fertilisation outcome. <i>Andrologia</i> , 2012 , 44, 136-41	2.4	45
54	Protective effects of cyclosporin A from endotoxin-induced myocardial dysfunction and apoptosis in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 449-55	10.2	45
53	Increased CD271 expression by the NF- κ B pathway promotes melanoma cell survival and drives acquired resistance to BRAF inhibitor vemurafenib. <i>Cell Discovery</i> , 2015 , 1, 15030	22.3	43
52	Dormant tumor cells develop cross-resistance to apoptosis induced by CTLs or imatinib mesylate via methylation of suppressor of cytokine signaling 1. <i>Cancer Research</i> , 2007 , 67, 4491-8	10.1	41
51	Mitochondrial oxidative phosphorylation controls cancer cells' life and death decisions upon exposure to MAPK inhibitors. <i>Oncotarget</i> , 2016 , 7, 39473-39485	3.3	41
50	Glucose metabolism and NRF2 coordinate the antioxidant response in melanoma resistant to MAPK inhibitors. <i>Cell Death and Disease</i> , 2018 , 9, 325	9.8	39
49	Exploiting mitochondrial dysfunction for effective elimination of imatinib-resistant leukemic cells. <i>PLoS ONE</i> , 2011 , 6, e21924	3.7	39
48	Expression of apoptosis regulatory factors during myocardial dysfunction in endotoxemic rats. <i>Critical Care Medicine</i> , 2005 , 33, 492-6	1.4	38
47	Melanoma metabolism contributes to the cellular responses to MAPK/ERK pathway inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 999-1005	4	36
46	Stabilization of mitochondrial membrane potential prevents doxorubicin-induced cardiotoxicity in isolated rat heart. <i>Toxicology and Applied Pharmacology</i> , 2010 , 244, 300-7	4.6	36
45	Influence of heat stress on human monocyte-derived dendritic cell functions with immunotherapeutic potential for antitumor vaccines. <i>Journal of Leukocyte Biology</i> , 2007 , 81, 1179-87	6.5	35
44	AMP-Activated Protein Kinase Is Essential for the Maintenance of Energy Levels during Synaptic Activation. <i>IScience</i> , 2018 , 9, 1-13	6.1	33
43	Mitochondrial spare respiratory capacity: Mechanisms, regulation, and significance in non-transformed and cancer cells. <i>FASEB Journal</i> , 2020 , 34, 13106-13124	0.9	32
42	Caspase-dependent protein phosphatase 2A activation contributes to endotoxin-induced cardiomyocyte contractile dysfunction. <i>Critical Care Medicine</i> , 2010 , 38, 2031-6	1.4	31

41	Induction of apoptosis-like mitochondrial impairment triggers antioxidant and Bcl-2-dependent keratinocyte differentiation. <i>Journal of Investigative Dermatology</i> , 2005 , 125, 647-58	4.3	31
40	Another facet to the anticancer response to lamellarin D: induction of cellular senescence through inhibition of topoisomerase I and intracellular Ros production. <i>Marine Drugs</i> , 2014 , 12, 779-98	6	29
39	Role of endoplasmic reticulum calcium content in prostate cancer cell growth regulation by IGF and TNFalpha. <i>Journal of Cellular Physiology</i> , 2004 , 201, 201-13	7	23
38	Deregulation of the hypoxia inducible factor-1 pathway in monocytes from sporadic amyotrophic lateral sclerosis patients. <i>Neuroscience</i> , 2011 , 172, 110-7	3.9	22
37	Integration of Mitochondrial Targeting for Molecular Cancer Therapeutics. <i>International Journal of Cell Biology</i> , 2015 , 2015, 283145	2.6	18
36	Apoptosis inhibition in P. aeruginosa-induced lung injury influences lung fluid balance. <i>Intensive Care Medicine</i> , 2004 , 30, 1204-11	14.5	17
35	Cigarette smoke alters the ability of human dendritic cells to promote anti-Streptococcus pneumoniae Th17 response. <i>Respiratory Research</i> , 2016 , 17, 94	7.3	17
34	Lipid Metabolism and Resistance to Anticancer Treatment. <i>Biology</i> , 2020 , 9,	4.9	15
33	Regulation by survivin of cancer cell death induced by F14512, a polyamine-containing inhibitor of DNA topoisomerase II. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 364-76	5.4	14
32	Apoptosis-related mitochondrial dysfunction defines human monocyte-derived dendritic cells with impaired immuno-stimulatory capacities. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1321-35	5.6	14
31	GILZ overexpression attenuates endoplasmic reticulum stress-mediated cell death via the activation of mitochondrial oxidative phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 513-20	3.4	14
30	Annexin V detection of lipopolysaccharide-induced cardiac apoptosis. <i>Shock</i> , 2007 , 27, 69-74	3.4	12
29	Pertussis toxin-sensitive GTP-binding proteins regulate activation-induced apoptotic cell death of human natural killer cells. <i>European Journal of Immunology</i> , 1995 , 25, 3094-9	6.1	12
28	Mitochondrial activity as an indicator of fish freshness. <i>Food Chemistry</i> , 2019 , 287, 38-45	8.5	11
27	Patient-derived tumor xenograft model to guide the use of BRAF inhibitors in metastatic melanoma. <i>Melanoma Research</i> , 2013 , 23, 373-80	3.3	11
26	Sphingosine impairs mitochondrial function by opening permeability transition pore. <i>Mitochondrion</i> , 2006 , 6, 149-54	4.9	10
25	Metabolic rewiring in cancer cells overexpressing the glucocorticoid-induced leucine zipper protein (GILZ): Activation of mitochondrial oxidative phosphorylation and sensitization to oxidative cell death induced by mitochondrial targeted drugs. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 85, 166-174	5.6	7
24	The presence of apoptotic bone marrow cells impairs the efficacy of cardiac cell therapy. <i>Cell Transplantation</i> , 2011 , 20, 1087-97	4	7

23	Metabolic features of melanoma: a gold mine of new therapeutic targets?. <i>Current Cancer Drug Targets</i> , 2014 , 14, 357-70	2.8	7
22	Study of AMPK-Regulated Metabolic Fluxes in Neurons Using the Seahorse XFe Analyzer. <i>Methods in Molecular Biology</i> , 2018 , 1732, 289-305	1.4	5
21	Surgical Application of Human Amniotic Membrane and Amnion-Chorion Membrane in the Oral Cavity and Efficacy Evaluation: Corollary With Ophthalmological and Wound Healing Experiences. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 685128	5.8	5
20	Heat shock protein 72 does not modulate ionizing radiation-induced apoptosis in U1810 non-small cell lung carcinoma cells. <i>Cancer Biology and Therapy</i> , 2003 , 2, 663-9	4.6	5
19	TRPC3 shapes the ER-mitochondria Ca transfer characterizing tumour-promoting senescence.. <i>Nature Communications</i> , 2022 , 13, 956	17.4	5
18	Benefits of cryopreserved human amniotic membranes in association with conventional treatments in the management of full-thickness burns. <i>International Wound Journal</i> , 2019 , 16, 1354-1364	2.6	4
17	First-line Screening of OXPHOS Deficiencies Using Microscale Oxygraphy in Human Skin Fibroblasts: A Preliminary Study. <i>International Journal of Medical Sciences</i> , 2019 , 16, 931-938	3.7	4
16	The novel retinoid AHPN/CD437 induces a rapid but incomplete apoptotic response in human myeloma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003 , 1593, 277-82	4.9	4
15	Polyethylene glycol-modified IL-2 abrogates superantigen-induced anergy without affecting peripheral clonal deletion in vivo. <i>Clinical Immunology and Immunopathology</i> , 1996 , 78, 215-22		3
14	Effects of Two Melt Extrusion Based Additive Manufacturing Technologies and Common Sterilization Methods on the Properties of a Medical Grade PLGA Copolymer. <i>Polymers</i> , 2021 , 13,	4.5	3
13	Rationale for the design of 3D-printable bioresorbable tissue-engineering chambers to promote the growth of adipose tissue. <i>Scientific Reports</i> , 2020 , 10, 11779	4.9	2
12	Retrospective study of COVID-19 seroprevalence among tissue donors at the onset of the outbreak before implementation of strict lockdown measures in France. <i>Cell and Tissue Banking</i> , 2021 , 22, 511-518 ^{2.2}		2
11	Normalization and scaling effects on 1H NMR spectra in a metabolomics analysis of leukemic cells 2015 , 140-153		1
10	Adenine nucleotide translocator mediates the mitochondrial membrane permeabilization induced by lonidamine, arsenite and CD437		1
9	AMP-activated protein kinase is essential for the maintenance of energy levels during synaptic activation		1
8	How to improve donor skin availability: Pragmatic procedures to minimize the discard rate of cryopreserved allografts in skin banking. <i>Burns</i> , 2021 , 47, 387-396	2.3	1
7	Current Advances in 3D Bioprinting for Cancer Modeling and Personalized Medicine.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
6	A New Strategy to Preserve and Assess Oxygen Consumption in Murine Tissues.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1

- 5 Lamellarin Alkaloids: Structure and Pharmacological Properties 171-187 ○
- 4 ANTIMETABOLIC COOPERATIVITY WITH THE CLINICALLY-APPROVED L-ASPARAGINASE AND TYROSINE KINASE INHIBITORS TO ERADICATE CML STEM CELLS. *Molecular Metabolism*, **2021**, 55, 101410^{8.8} ○
- 3 Detection of apoptosis and apoptosis-associated alterations **1996**, 1111-1125
- 2 Determination of Mitochondrial Membrane Potential by Flow Cytometry in Human Sperm Cells **2021**, 58-71
- 1 Patient-derived tumor xenograft strategies for informed management of patients with metastatic melanoma. *Melanoma Research*, **2016**, 26, 245-53 3.3