Marcella Canton

List of Publications by Year
in descending order

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39	3,155	257450	315739
papers	citations	24 h-index	38 g-index

40	40	40	4007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transient and Long-Lasting Openings of the Mitochondrial Permeability Transition Pore Can Be Monitored Directly in Intact Cells by Changes in Mitochondrial Calcein Fluorescence. Biophysical Journal, 1999, 76, 725-734.	0.5	628
2	Opening of the Mitochondrial Permeability Transition Pore Causes Depletion of Mitochondrial and Cytosolic NAD+and Is a Causative Event in the Death of Myocytes in Postischemic Reperfusion of the Heart. Journal of Biological Chemistry, 2001, 276, 2571-2575.	3.4	596
3	Mitochondria and cardioprotection. Heart Failure Reviews, 2007, 12, 249-260.	3.9	148
4	Oxidative modification of tropomyosin and myocardial dysfunction following coronary microembolization. European Heart Journal, 2006, 27, 875-881.	2.2	142
5	Oxidation of Myofibrillar Proteins in Human Heart Failure. Journal of the American College of Cardiology, 2011, 57, 300-309.	2.8	141
6	Reactive Oxygen Species in Macrophages: Sources and Targets. Frontiers in Immunology, 2021, 12, 734229.	4.8	134
7	Evidence of myofibrillar protein oxidation induced by postischemic reperfusion in isolated rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H870-H877.	3.2	131
8	The role of mitochondria in the salvage and the injury of the ischemic myocardium. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1366, 69-78.	1.0	117
9	Oxidative stress by monoamine oxidases is causally involved in myofiber damage in muscular dystrophy. Human Molecular Genetics, 2010, 19, 4207-4215.	2.9	108
10	Mitochondria and reperfusion injury. Basic Research in Cardiology, 2003, 98, 235-241.	5.9	96
11	Mitochondrial Injury and Protection in Ischemic Pre- and Postconditioning. Antioxidants and Redox Signaling, 2011, 14, 881-891.	5.4	90
12	Imaging the mitochondrial permeability transition pore in intact cells. BioFactors, 1998, 8, 263-272.	5.4	88
13	The oleic acid complexes of proteolytic fragments of Î±â€lactalbumin display apoptotic activity. FEBS Journal, 2010, 277, 163-173.	4.7	63
14	Î±-Lactalbumin Forms with Oleic Acid a High Molecular Weight Complex Displaying Cytotoxic Activity. Biochemistry, 2010, 49, 8658-8667.	2.5	57
15	Increased inducible nitric oxide synthase and arginase II expression in heart failure: no net nitrite/nitrate production and protein S-nitrosylation. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H446-H453.	3.2	54
16	PUVA-induced apoptosis involves mitochondrial dysfunction caused by the opening of the permeability transition pore. FEBS Letters, 2002, 522, 168-172.	2.8	52
17	Photophysical and Phototoxic Properties of the Antibacterial Fluoroquinolones Levofloxacin and Moxifloxacin. Chemistry and Biodiversity, 2004, 1, 782-801.	2.1	46
18	Pharmacological targets of metabolism in disease: Opportunities from macrophages. , 2020, 210, 107521.		45

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19	Oxidative stress in muscular dystrophy: from generic evidence to specific sources and targets. Journal of Muscle Research and Cell Motility, 2014, 35, 23-36.	2.0	40
20	Thallium Induces Apoptosis in Jurkat Cells. Annals of the New York Academy of Sciences, 2003, 1010, 283-291.	3.8	38
21	Vanillic Acid Restores Coenzyme Q Biosynthesis and ATP Production in Human Cells LackingCOQ6. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	4.0	35
22	Piperineâ€™s mitigation of obesity and diabetes can be explained by its up-regulation of the metabolic rate of resting muscle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13009-13014.	7.1	33
23	4-Hydroxymethyl-1,6,8-trimethylfuro[2,3-h]quinolin-2(1H)-one Induces Mitochondrial Dysfunction and Apoptosis upon Its Intracellular Oxidation. Journal of Medicinal Chemistry, 2005, 48, 192-199.	6.4	32
24	Targeting monoamine oxidase to dampen NLRP3 inflammasome activation in inflammation. Cellular and Molecular Immunology, 2021, 18, 1311-1313.	10.5	31
25	The mitochondrial effects of novel apoptogenic molecules generated by psoralen photolysis as a crucial mechanism in PUVA therapy. Blood, 2007, 109, 4988-4994.	1.4	30
26	Spectroscopic Studies of the Super Relaxed State of Skeletal Muscle. PLoS ONE, 2016, 11, e0160100.	2.5	25
27	Preliminary studies of berberine and its semi-synthetic derivatives as a promising class of multi-target anti-parkinson agents. Natural Product Research, 2018, 32, 1395-1401.	1.8	24
28	Photophysical and Photobiological Behavior of Antimalarial Drugs in Aqueous Solutions. Photochemistry and Photobiology, 2004, 79, 248.	2.5	23
29	N â€acetylaspartate release by glutaminolytic ovarian cancer cells sustains protumoral macrophages. EMBO Reports, 2021, 22, e51981.	4.5	22
30	Induction of the mitochondrial permeability transition by the DNA alkylating agent N-methyl-Nâ€²-nitro-N-nitrosoguanidine. Sorting cause and consequence of mitochondrial dysfunction. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1658, 58-63.	1.0	18
31	Monoamine oxidase-dependent histamine catabolism accounts for post-ischemic cardiac redox imbalance and injury. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3050-3059.	3.8	18
32	Teaching an Old Molecule New Tricks: Drug Repositioning for Duchenne Muscular Dystrophy. International Journal of Molecular Sciences, 2019, 20, 6053.	4.1	14
33	Drug Repurposing for Duchenne Muscular Dystrophy: The Monoamine Oxidase B Inhibitor Safinamide Ameliorates the Pathological Phenotype in mdx Mice and in Myogenic Cultures From DMD Patients. Frontiers in Physiology, 2018, 9, 1087.	2.8	11
34	The J2-Immortalized Murine Macrophage Cell Line Displays Phenotypical and Metabolic Features of Primary BMDMs in Their M1 and M2 Polarization State. Cancers, 2021, 13, 5478.	3.7	6
35	Old and new biomarkers of oxidative stress in heart failure. Drug Discovery Today: Therapeutic Strategies, 2012, 9, e189-e198.	0.5	5
36	Live Cell Imaging in Microfluidic Device Proves Resistance to Oxygen/Glucose Deprivation in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Analytical Chemistry, 2018, 90, 5687-5695.	6.5	5

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37	Photophysical and photobiological behaviour of antimalarial drugs in aqueous solutions. Photochemistry and Photobiology, 2004, 79, 248-258.	2.5	3
38	The effect of the protonmotive force on the redox state of mitochondrial cytochromes. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 140-144.	1.0	2
39	The effect of respiration on the permeability of the mitochondrial membrane to ions. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 12-18.	1.0	2