

Marcos Lopez

List of Publications by Year in descending order

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18
papers

4,083
citations

430874

18
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

7420
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial metabolism and ROS generation are essential for Kras-mediated tumorigenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8788-8793.	7.1	1,402
2	Mitochondria-Targeted Triphenylphosphonium-Based Compounds: Syntheses, Mechanisms of Action, and Therapeutic and Diagnostic Applications. <i>Chemical Reviews</i> , 2017, 117, 10043-10120.	47.7	1,051
3	Endothelial dysfunction and preeclampsia: role of oxidative stress. <i>Frontiers in Physiology</i> , 2014, 5, 372.	2.8	306
4	Direct oxidation of boronates by peroxyxynitrite: Mechanism and implications in fluorescence imaging of peroxyxynitrite. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1401-1407.	2.9	300
5	A review of the basics of mitochondrial bioenergetics, metabolism, and related signaling pathways in cancer cells: Therapeutic targeting of tumor mitochondria with lipophilic cationic compounds. <i>Redox Biology</i> , 2018, 14, 316-327.	9.0	166
6	Mitochondria-Targeted Analogues of Metformin Exhibit Enhanced Antiproliferative and Radiosensitizing Effects in Pancreatic Cancer Cells. <i>Cancer Research</i> , 2016, 76, 3904-3915.	0.9	159
7	Cytochrome c-mediated oxidation of hydroethidine and mito-hydroethidine in mitochondria: Identification of homo- and heterodimers. <i>Free Radical Biology and Medicine</i> , 2008, 44, 835-846.	2.9	98
8	Reaction between Peroxyxynitrite and Boronates: EPR Spin-Trapping, HPLC Analyses, and Quantum Mechanical Study of the Free Radical Pathway. <i>Chemical Research in Toxicology</i> , 2011, 24, 687-697.	3.3	87
9	Role of nuclear-encoded subunit Vb in the assembly and stability of cytochrome c oxidase complex: implications in mitochondrial dysfunction and ROS production. <i>Biochemical Journal</i> , 2009, 420, 439-449.	3.7	76
10	Lipid Peroxyl Radicals Mediate Tyrosine Dimerization and Nitration in Membranes. <i>Chemical Research in Toxicology</i> , 2010, 23, 821-835.	3.3	72
11	Detection and Characterization of Reactive Oxygen and Nitrogen Species in Biological Systems by Monitoring Species-Specific Products. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1416-1432.	5.4	70
12	Review: The role of the L-arginine-nitric oxide pathway in preeclampsia. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2008, 2, 261-275.	2.1	65
13	Preventing pregnancy-induced hypertension: are there regional differences for this global problem?. <i>Journal of Hypertension</i> , 2005, 23, 1121-1129.	0.5	63
14	Detection, Characterization, and Decay Kinetics of ROS and Thiyl Adducts of Mito-DEPMPO Spin Trap. <i>Chemical Research in Toxicology</i> , 2007, 20, 1053-1060.	3.3	62
15	Mitochondria-Targeted Spin Traps: Synthesis, Superoxide Spin Trapping, and Mitochondrial Uptake. <i>Chemical Research in Toxicology</i> , 2014, 27, 1155-1165.	3.3	30
16	Soluble Fms-Like Tyrosine Kinase-1 Alters Cellular Metabolism and Mitochondrial Bioenergetics in Preeclampsia. <i>Frontiers in Physiology</i> , 2018, 9, 83.	2.8	30
17	Mitochondria-targeted nitroxides exacerbate fluvastatin-mediated cytostatic and cytotoxic effects in breast cancer cells. <i>Cancer Biology and Therapy</i> , 2011, 12, 707-717.	3.4	27
18	A ^{99m} Tc-Labeled Triphenylphosphonium Derivative for the Early Detection of Breast Tumors. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2009, 24, 579-587.	1.0	19