Helena L A Vieira

List of Publications by Year
in descending order

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63 papers	9,938 citations	159585 30 h-index	138484 58 g-index
68 all docs	68 docs citations	68 times ranked	19233 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Bax and Adenine Nucleotide Translocator Cooperate in the Mitochondrial Control of Apoptosis. , 1998, 281, 2027-2031.		1,061
3	The HIV-1 Viral Protein R Induces Apoptosis via a Direct Effect on the Mitochondrial Permeability Transition Pore. Journal of Experimental Medicine, 2000, 191, 33-46.	8.5	428
4	Mitochondrial membrane permeabilization is a critical step of lysosome-initiated apoptosis induced by hydroxychloroquine. Oncogene, 2003, 22, 3927-3936.	5.9	357
5	Bcl-2 and Bax regulate the channel activity of the mitochondrial adenine nucleotide translocator. Oncogene, 2000, 19, 329-336.	5.9	322
6	Oxidation of a critical thiol residue of the adenine nucleotide translocator enforces Bcl-2-independent permeability transition pore opening and apoptosis. Oncogene, 2000, 19, 307-314.	5.9	276
7	Control of Mitochondrial Membrane Permeabilization by Adenine Nucleotide Translocator Interacting with HIV-1 Viral Protein R and Bcl-2. Journal of Experimental Medicine, 2001, 193, 509-520.	8.5	261
8	The adenine nucleotide translocator: a target of nitric oxide, peroxynitrite, and 4-hydroxynonenal. Oncogene, 2001, 20, 4305-4316.	5.9	246
9	Adenine nucleotide translocator mediates the mitochondrial membrane permeabilization induced by lonidamine, arsenite and CD437. Oncogene, 2001, 20, 7579-7587.	5.9	188
10	Modulation of neuronal stem cell differentiation by hypoxia and reactive oxygen species. Progress in Neurobiology, 2011, 93, 444-455.	5.7	150
11	Bcl-2 and Bax modulate adenine nucleotide translocase activity. Cancer Research, 2003, 63, 541-6.	0.9	147
12	New method to assess mitophagy flux by flow cytometry. Autophagy, 2015, 11, 833-843.	9.1	123
13	Glutathionylation of Adenine Nucleotide Translocase Induced by Carbon Monoxide Prevents Mitochondrial Membrane Permeabilization and Apoptosis. Journal of Biological Chemistry, 2010, 285, 17077-17088.	3.4	119
14	The adenine nucleotide translocator in apoptosis. Biochimie, 2002, 84, 167-176.	2.6	111
15	Neuroprotective effect of blackberry (Rubus sp.) polyphenols is potentiated after simulated gastrointestinal digestion. Food Chemistry, 2012, 131, 1443-1452.	8.2	101
16	Triple layered rotavirus VLP production: Kinetics of vector replication, mRNA stability and recombinant protein production. Journal of Biotechnology, 2005, 120, 72-82.	3.8	91
17	Carbon Monoxide Modulates Apoptosis by Reinforcing Oxidative Metabolism in Astrocytes. Journal of Biological Chemistry, 2012, 287, 10761-10770.	3.4	90
18	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-XL. Oncogene, 2002, 21, 1963-1977.	5.9	87

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19	Preâ€conditioning induced by carbon monoxide provides neuronal protection against apoptosis. Journal of Neurochemistry, 2008, 107, 375-384.	3.9	79
20	Carbon monoxide and mitochondriaÃ¢â,¬â€modulation of cell metabolism, redox response and cell death. Frontiers in Physiology, 2015, 6, 33.	2.8	74
21	Carbon monoxide and the <scp>CNS</scp>: challenges and achievements. British Journal of Pharmacology, 2015, 172, 1533-1545.	5.4	74
22	Effect of Escherichia coli Morphogene bolA on Biofilms. Applied and Environmental Microbiology, 2004, 70, 5682-5684.	3.1	68
23	Neuroprotective effects of digested polyphenols from wild blackberry species. European Journal of Nutrition, 2013, 52, 225-236.	3.9	68
24	Carbon Monoxide Targeting Mitochondria. Biochemistry Research International, 2012, 2012, 1-9.	3.3	61
25	Therapeutic applications of the gaseous mediators carbon monoxide and hydrogen sulfide. Expert Opinion on Therapeutic Patents, 2009, 19, 663-682.	5.0	55
26	Carbon monoxide reverses the metabolic adaptation of microglia cells to an inflammatory stimulus. Free Radical Biology and Medicine, 2017, 104, 311-323.	2.9	51
27	Modeling rotavirus-like particles production in a baculovirus expression vector system: Infection kinetics, baculovirus DNA replication, mRNA synthesis and protein production. Journal of Biotechnology, 2007, 128, 875-894.	3.8	45
28	Carbon monoxide prevents hepatic mitochondrial membrane permeabilization. BMC Cell Biology, 2011, 12, 10.	3.0	41
29	Preconditioning Triggered by Carbon Monoxide (CO) Provides Neuronal Protection Following Perinatal Hypoxia-Ischemia. PLoS ONE, 2012, 7, e42632.	2.5	39
30	Mitochondria and carbon monoxide: cytoprotection and control of cell metabolism â€“ a role for Ca²⁺?. Journal of Physiology, 2016, 594, 4131-4138.	2.9	39
31	Effect of the morphogenebolAon the permeability of theEscherichia coliouter membrane. FEMS Microbiology Letters, 2006, 260, 106-111.	1.8	33
32	Role of Cell Metabolism and Mitochondrial Function During Adult Neurogenesis. Neurochemical Research, 2017, 42, 1787-1794.	3.3	30
33	Carbon Monoxide Releasing Molecule-A1 (CORM-A1) Improves Neurogenesis: Increase of Neuronal Differentiation Yield by Preventing Cell Death. PLoS ONE, 2016, 11, e0154781.	2.5	26
34	Improvement of neuronal differentiation by carbon monoxide: Role of pentose phosphate pathway. Redox Biology, 2018, 17, 338-347.	9.0	24
35	CO-mediated cytoprotection is dependent on cell metabolism modulation. Redox Biology, 2020, 32, 101470.	9.0	23
36	Carbon monoxide improves neuronal differentiation and yield by increasing the functioning and number of mitochondria. Journal of Neurochemistry, 2016, 138, 423-435.	3.9	22

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37	Intermittent, low dose carbon monoxide exposure enhances survival and dopaminergic differentiation of human neural stem cells. PLoS ONE, 2018, 13, e0191207.	2.5	20
38	The mito-QC Reporter for Quantitative Mitophagy Assessment in Primary Retinal Ganglion Cells and Experimental Glaucoma Models. International Journal of Molecular Sciences, 2020, 21, 1882.	4.1	18
39	Intracellular dynamics in rotavirus-like particles production: Evaluation of multigene and monocistronic infection strategies. Process Biochemistry, 2006, 41, 2188-2199.	3.7	17
40	Paracrine effect of carbon monoxide: astrocytes promote neuroprotection via purinergic signaling. Journal of Cell Science, 2016, 129, 3178-88.	2.0	16
41	Pure Polyphenols Applications for Cardiac Health and Disease. Current Pharmaceutical Design, 2018, 24, 2137-2156.	1.9	15
42	Hippocampal neurogenesis response: What can we expect from two different models of hypertension?. Brain Research, 2016, 1646, 199-206.	2.2	14
43	Autonomic nervous system response to remote ischemic conditioning: heart rate variability assessment. BMC Cardiovascular Disorders, 2019, 19, 211.	1.7	12
44	CSRP3 mediates polyphenols-induced cardioprotection in hypertension. Journal of Nutritional Biochemistry, 2019, 66, 29-42.	4.2	12
45	P2X7 Receptors Mediate CO-Induced Alterations in Gene Expression in Cultured Cortical Astrocytesâ€"Transcriptomic Study. Molecular Neurobiology, 2019, 56, 3159-3174.	4.0	11
46	Improvement of recombinant protein production by an anti-apoptotic protein from hemolymph of Lonomia obliqua. Cytotechnology, 2010, 62, 547-555.	1.6	10
47	Crosstalk between cilia and autophagy: implication for human diseases. Autophagy, 2023, 19, 24-43.	9.1	10
48	Effect of carbon monoxide on gene expression in cerebrocortical astrocytes: Validation of reference genes for quantitative real-time PCR. Nitric Oxide - Biology and Chemistry, 2015, 49, 80-89.	2.7	9
49	Catalase effect on cell death for the improvement of recombinant protein production in baculovirus-insect cell system. Bioprocess and Biosystems Engineering, 2006, 29, 409-414.	3.4	8
50	Remote but not Distant: a Review on Experimental Models and Clinical Trials in Remote Ischemic Conditioning as Potential Therapy in Ischemic Stroke. Molecular Neurobiology, 2022, 59, 294-325.	4.0	8
51	Carbon Monoxide Modulation of Microglia-Neuron Communication: Anti-Neuroinflammatory and Neurotrophic Role. Molecular Neurobiology, 2022, 59, 872-889.	4.0	8
52	Phenolic Metabolites Modulate Cardiomyocyte Beating in Response to Isoproterenol. Cardiovascular Toxicology, 2019, 19, 156-167.	2.7	7
53	Carbon Monoxide-Neuroglobin Axis Targeting Metabolism Against Inflammation in BV-2 Microglial Cells. Molecular Neurobiology, 2022, 59, 916-931.	4.0	6
54	Carbon monoxide released by CORM-A1 prevents yeast cell death via autophagy stimulation. FEMS Yeast Research, 2019, 19, .	2.3	4

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55	Microglia at the Centre of Brain Research: Accomplishments and Challenges for the Future. Neurochemical Research, 2022, 47, 218-233.	3.3	3
56	Pilot study in human healthy volunteers on the mechanisms underlying remote ischemic conditioning (RIC) â€“ Targeting circulating immune cells and immune-related proteins. Journal of Neuroimmunology, 2022, 367, 577847.	2.3	3
57	The effect of the cell death suppressor vMIA on the production of a recombinant protein in the adenovirus-293 expression system. Protein Expression and Purification, 2009, 64, 179-184.	1.3	2
58	Response of the cerebral vasculature to systemic carbon monoxide administrationâ€"Regional differences and sexual dimorphism. European Journal of Neuroscience, 2020, 52, 2771-2780.	2.6	2
59	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-XL. , 0, .		2
60	Assessment of Mitochondrial Protein Glutathionylation as Signaling for CO Pathway. Methods in Molecular Biology, 2015, 1264, 343-350.	0.9	1
61	Adenine nucleotide translocator mediates the mitochondrial membrane permeabilization induced by lonidamine, arsenite and CD437. , 0, .		1
62	Rotavirus-like particle production: Simulation of protein production and particle assembly. Computer Aided Chemical Engineering, 2006, , 1673-1678.	0.5	0
63	Assessment of as Signaling for Pathway. Methods in Molecular Biology, 2021, 2276, 249-257.	0.9	0