

# Gonzalo Peluffo

## List of Publications by Year in descending order

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27  
papers

3,023  
citations

304743

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526287

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docs citations

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times ranked

3678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling peroxynitrite formation in biological systems. <i>Free Radical Biology and Medicine</i> , 2001, 30, 463-488.	2.9	677
2	Protein tyrosine nitration—Functional alteration or just a biomarker?. <i>Free Radical Biology and Medicine</i> , 2008, 45, 357-366.	2.9	367
3	Biochemistry of protein tyrosine nitration in cardiovascular pathology. <i>Cardiovascular Research</i> , 2007, 75, 291-302.	3.8	257
4	Intraphagosomal Peroxynitrite as a Macrophage-derived Cytotoxin against Internalized <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 6627-6640.	3.4	197
5	Xanthine Oxidase-mediated Decomposition of S-Nitrosothiols. <i>Journal of Biological Chemistry</i> , 1998, 273, 7828-7834.	3.4	167
6	1,2,5-OxadiazoleN-Oxide Derivatives and Related Compounds as Potential Antitrypanosomal Drugs: A Structure—Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1941-1950.	6.4	136
7	Macrophage-derived peroxynitrite diffusion and toxicity to <i>Trypanosoma cruzi</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 222-232.	3.0	126
8	Mitochondrial superoxide radicals mediate programmed cell death in <i>Trypanosoma cruzi</i> : cytoprotective action of mitochondrial iron superoxide dismutase overexpression. <i>Biochemical Journal</i> , 2007, 403, 323-334.	3.7	125
9	Peroxiredoxins play a major role in protecting <i>Trypanosoma cruzi</i> against macrophage- and endogenously-derived peroxynitrite. <i>Biochemical Journal</i> , 2008, 410, 359-368.	3.7	122
10	Fighting the oxidative assault: the <i>Trypanosoma cruzi</i> journey to infection. <i>Current Opinion in Microbiology</i> , 2009, 12, 415-421.	5.1	110
11	<i>Trypanosoma cruzi</i> Antioxidant Enzymes As Virulence Factors in Chagas Disease. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 723-734.	5.4	97
12	Synthesis and antitrypanosomal evaluation of E-isomers of 5-nitro-2-furaldehyde and 5-nitrothiophene-2-carboxaldehyde semicarbazone derivatives. Structure—activity relationships. <i>European Journal of Medicinal Chemistry</i> , 2000, 35, 343-350.	5.5	92
13	Superoxide-mediated inactivation of nitric oxide and peroxynitrite formation by tobacco smoke in vascular endothelium: studies in cultured cells and smokers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1781-H1792.	3.2	76
14	Mechanistic Studies of Peroxynitrite-Mediated Tyrosine Nitration in Membranes Using the Hydrophobic Probe N-t-BOC-l-tyrosine tert-Butyl Ester. <i>Biochemistry</i> , 2006, 45, 6813-6825.	2.5	74
15	Synthesis and anti-trypanosomal activity of novel 5-nitro-2-furaldehyde and 5-nitrothiophene-2-carboxaldehyde semicarbazone derivatives. <i>Il Farmaco</i> , 1998, 53, 89-94.	0.9	65
16	Septic diaphragmatic dysfunction is prevented by Mn(III)porphyrin therapy and inducible nitric oxide synthase inhibition. <i>Intensive Care Medicine</i> , 2004, 30, 2271-2278.	8.2	59
17	Protective effect of diphenyl diselenide against peroxynitrite-mediated endothelial cell death: A comparison with ebselen. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 31, 20-30.	2.7	58
18	l-arginine metabolism during interaction of <i>Trypanosoma cruzi</i> with host cells. <i>Trends in Parasitology</i> , 2004, 20, 363-369.	3.3	52

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19	Structural and Molecular Basis of the Peroxynitrite-mediated Nitration and Inactivation of Trypanosoma cruzi Iron-Superoxide Dismutases (Fe-SODs) A and B. Journal of Biological Chemistry, 2014, 289, 12760-12778.	3.4	51
20	Reaction of the carbonate radical with the spin-trap 5,5-dimethyl-1-pyrroline-N-oxide in chemical and cellular systems: Pulse radiolysis, electron paramagnetic resonance, and kinetic-competition studies. Free Radical Biology and Medicine, 2007, 43, 1523-1533.	2.9	27
21	Peroxynitrite affects Ca <sup>2+</sup> transport in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1999, 98, 81-91.	1.1	22
22	Nitric oxide diffusion to red blood cells limits extracellular, but not intraphagosomal, peroxynitrite formation by macrophages. Free Radical Biology and Medicine, 2015, 87, 346-355.	2.9	22
23	Incorporation of the Hydrophobic Probe <i>N</i> - <i>t</i> -BOC- <i>l</i> -tyrosine <i>tert</i> -Butyl Ester to Red Blood Cell Membranes To Study Peroxynitrite-Dependent Reactions. Chemical Research in Toxicology, 2007, 20, 1638-1648.	3.3	15
24	Tyrosine Nitration, Dimerization, and Hydroxylation by Peroxynitrite in Membranes as Studied by the Hydrophobic Probe <i>N</i> - <i>t</i> -BOC- <i>l</i> -tyrosine <i>tert</i> -Butyl Ester. Methods in Enzymology, 2008, 441, 217-236.	1.0	14
25	Nitro-Arachidonic Acid Prevents Angiotensin II-Induced Mitochondrial Dysfunction in a Cell Line of Kidney Proximal Tubular Cells. PLoS ONE, 2016, 11, e0150459.	2.5	9
26	<i>l</i> -arginine metabolism in Trypanosoma cruzi in the regulation of programmed cell death. Methods in Enzymology, 2002, 359, 286-302.	1.0	5
27	UNRAVELING PEROXYNITRITE FORMATION IN BIOLOGICAL SYSTEMS. , 2001, , 236-261.		0