

JÃ©rÃ©me Santolini

List of Publications by Year in descending order

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43
papers

2,728
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304743

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265206

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2873
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#	ARTICLE	IF	CITATIONS
1	COVID-19: A Redox Diseaseâ€”What a Stress Pandemic Can Teach Us About Resilience and What We May Learn from the Reactive Species Interactome About Its Treatment. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1226-1268.	5.4	28
2	Response to Verd and Verd Re: â€œCOVID-19: A Redox Diseaseâ€”What a Stress Pandemic Can Teach Us About Resilience and What We May Learn from the Reactive Species Interactome About Its Treatmentâ€• <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1271-1272.	5.4	0
3	Electroanalysis at a Single Giant Vesicle Generating Enzymatically a Reactive Oxygen Species. <i>Analytical Chemistry</i> , 2021, 93, 13143-13151.	6.5	5
4	The Redox architecture of physiological function. <i>Current Opinion in Physiology</i> , 2019, 9, 34-47.	1.8	79
5	The evolution of nitric oxide signalling diverges between animal and green lineages. <i>Journal of Experimental Botany</i> , 2019, 70, 4355-4364.	4.8	42
6	Mechanism and regulation of ferrous heme-nitric oxide (NO) oxidation in NO synthases. <i>Journal of Biological Chemistry</i> , 2019, 294, 7904-7916.	3.4	21
7	What does ldquo NO-Synthase rdquo stand for. <i>Frontiers in Bioscience - Landmark</i> , 2019, 24, 133-171.	3.0	24
8	Revisiting the Val/le Mutation in Mammalian and Bacterial Nitric Oxide Synthases: A Spectroscopic and Kinetic Study. <i>Biochemistry</i> , 2017, 56, 748-756.	2.5	8
9	The NOS-like protein from the microalgae <i>Ostreococcus tauri</i> is a genuine and ultrafast NO-producing enzyme. <i>Plant Science</i> , 2017, 265, 100-111.	3.6	43
10	Nitric oxide synthase in plants: Where do we stand?. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 63, 30-38.	2.7	173
11	A heme-binding domain controls regulation of ATP-dependent potassium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3785-3790.	7.1	53
12	Oxygen activation in <scp>NO</scp> synthases: evidence for a direct role of the substrate. <i>FEBS Open Bio</i> , 2016, 6, 386-397.	2.3	8
13	Redox Control of the Human Iron-Sulfur Repair Protein MitoNEET Activity via Its Iron-Sulfur Cluster. <i>Journal of Biological Chemistry</i> , 2016, 291, 7583-7593.	3.4	57
14	Analysis of the Expression and Activity of Nitric Oxide Synthase from Marine Photosynthetic Microorganisms. <i>Methods in Molecular Biology</i> , 2016, 1424, 149-162.	0.9	6
15	Reaction Intermediates and Molecular Mechanism of Peroxynitrite Activation by NO Synthases. <i>Biophysical Journal</i> , 2016, 111, 2099-2109.	0.5	5
16	EPR Characterisation of the Ferrous Nitrosyl Complex Formed within the Oxygenase Domain of NO Synthase. <i>ChemBioChem</i> , 2013, 14, 1852-1857.	2.6	2
17	A Novel Cryo-Reduction Method to Investigate the Molecular Mechanism of Nitric Oxide Synthases. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5595-5603.	2.6	4
18	Electron Paramagnetic Resonance Characterization of Tetrahydrobiopterin Radical Formation in Bacterial Nitric Oxide Synthase Compared to Mammalian Nitric Oxide Synthase. <i>Biophysical Journal</i> , 2012, 103, 109-117.	0.5	14

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19	Heme Binding Properties of Glyceraldehyde-3-phosphate Dehydrogenase. <i>Biochemistry</i> , 2012, 51, 8514-8529.	2.5	56
20	Arg375 tunes tetrahydrobiopterin functions and modulates catalysis by inducible nitric oxide synthase. <i>Journal of Inorganic Biochemistry</i> , 2012, 108, 203-215.	3.5	10
21	The Conserved Trp-Cys Hydrogen Bond Dampens the "Push Effect" of the Heme Cysteinate Proximal Ligand during the First Catalytic Cycle of Nitric Oxide Synthase. <i>Biochemistry</i> , 2011, 50, 10069-10081.	2.5	26
22	The molecular mechanism of mammalian NO-synthases: A story of electrons and protons. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 127-141.	3.5	70
23	The Proximal Hydrogen Bond Network Modulates <i>Bacillus subtilis</i> Nitric-oxide Synthase Electronic and Structural Properties. <i>Journal of Biological Chemistry</i> , 2011, 286, 11997-12005.	3.4	20
24	NO synthase isoforms specifically modify peroxynitrite reactivity. <i>FEBS Journal</i> , 2010, 277, 3963-3973.	4.7	12
25	Role of Arginine Guanidinium Moiety in Nitric-oxide Synthase Mechanism of Oxygen Activation. <i>Journal of Biological Chemistry</i> , 2010, 285, 7233-7245.	3.4	27
26	Fast ferrous heme-NO oxidation in nitric oxide synthases. <i>FEBS Journal</i> , 2009, 276, 4505-4514.	4.7	25
27	Activation of Peroxynitrite by Inducible Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 2007, 282, 14101-14112.	3.4	32
28	Differential Effects of Alkyl- and Arylguanidines on the Stability and Reactivity of Inducible NOS Heme-Dioxygen Complexes. <i>Biochemistry</i> , 2006, 45, 3988-3999.	2.5	11
29	Resonance Raman Study of <i>Bacillus subtilis</i> NO Synthase-like Protein: Similarities and Differences with Mammalian NO Synthases. <i>Biochemistry</i> , 2006, 45, 1480-1489.	2.5	34
30	A Tryptophan that Modulates Tetrahydrobiopterin-Dependent Electron Transfer in Nitric Oxide Synthase Regulates Enzyme Catalysis by Additional Mechanisms. <i>Biochemistry</i> , 2005, 44, 4676-4690.	2.5	22
31	Update on Mechanism and Catalytic Regulation in the NO Synthases. <i>Journal of Biological Chemistry</i> , 2004, 279, 36167-36170.	3.4	450
32	Radical reactions of nitric oxide synthases. <i>Biochemical Society Symposia</i> , 2004, 71, 39-49.	2.7	18
33	Predicting the conformational states of cyclic tetrapeptides. <i>Biopolymers</i> , 2003, 69, 363-385.	2.4	37
34	Distinct Influence of N-terminal Elements on Neuronal Nitric-oxide Synthase Structure and Catalysis. <i>Journal of Biological Chemistry</i> , 2003, 278, 37122-37131.	3.4	25
35	An Insight into the Mechanism of Inhibition and Reactivation of the F1-ATPases by Tentoxin. <i>Biochemistry</i> , 2002, 41, 6008-6018.	2.5	8
36	Rebuilt 3D structure of the chloroplast f1 ATPase-tentoxin complex. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 49, 302-320.	2.6	2

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37	A Kinetic Simulation Model That Describes Catalysis and Regulation in Nitric-oxide Synthase. Journal of Biological Chemistry, 2001, 276, 1233-1243.	3.4	88
38	Neuronal Nitric-oxide Synthase Mutant (Ser-1412 â†’ Asp) Demonstrates Surprising Connections between Heme Reduction, NO Complex Formation, and Catalysis. Journal of Biological Chemistry, 2001, 276, 1244-1252.	3.4	101
39	Differences in Three Kinetic Parameters Underpin the Unique Catalytic Profiles of Nitric-oxide Synthases I, II, and III. Journal of Biological Chemistry, 2001, 276, 48887-48898.	3.4	108
40	Kinetic Analysis of Tentoxin Binding to Chloroplast F1-ATPase. Journal of Biological Chemistry, 1999, 274, 849-858.	3.4	19
41	Interrelation between High and Low Affinity Tentoxin Binding Sites in Chloroplast F1-ATPase Revealed by Synthetic Analogues. Journal of Biological Chemistry, 1998, 273, 3343-3350.	3.4	6
42	Actin Depolymerizing Factor (ADF/Cofilin) Enhances the Rate of Filament Turnover: Implication in Actin-based Motility. Journal of Cell Biology, 1997, 136, 1307-1322.	5.2	948
43	Analogues of tentoxin: Tools for mechanistic investigations. International Journal of Peptide Research and Therapeutics, 1997, 4, 283-288.	0.1	1