

Pierre Ceccaldi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

586
citations

840776

11
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Relating diffusion along the substrate tunnel and oxygen sensitivity in hydrogenase. <i>Nature Chemical Biology</i> , 2010, 6, 63-70.	8.0	188
2	The prokaryotic Mo/W-bisPGD enzymes family: A catalytic workhorse in bioenergetic. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1048-1085.	1.0	129
3	Spectroscopic investigations under whole-cell conditions provide new insight into the metal hydride chemistry of [FeFe]-hydrogenase. <i>Chemical Science</i> , 2020, 11, 4608-4617.	7.4	37
4	Discovery of novel [FeFe]-hydrogenases for biocatalytic H ₂ -production. <i>Chemical Science</i> , 2019, 10, 9941-9948.	7.4	34
5	The hydrogen dependent CO ₂ reductase: the first completely CO tolerant FeFe-hydrogenase. <i>Energy and Environmental Science</i> , 2017, 10, 503-508.	30.8	30
6	In vivo EPR Characterization of Semi-synthetic [FeFe] Hydrogenases. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2596-2599.	13.8	26
7	Oxidative inactivation of NiFeSe hydrogenase. <i>Chemical Communications</i> , 2015, 51, 14223-14226.	4.1	24
8	HYSCORE Evidence That Endogenous Mena- and Ubisemiquinone Bind at the Same Q Site (Q _D) of <i>Escherichia coli</i> Nitrate Reductase A. <i>Journal of the American Chemical Society</i> , 2010, 132, 5942-5943.	13.7	20
9	Reductive activation of <i>E. coli</i> respiratory nitrate reductase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1055-1063.	1.0	20
10	Elucidating the Structures of the Low- and High-pH Mo(V) Species in Respiratory Nitrate Reductase: A Combined EPR, HYSCORE, and DFT Study. <i>Inorganic Chemistry</i> , 2017, 56, 4422-4434.	4.0	19
11	A Threonine Stabilizes the NiC and NiR Catalytic Intermediates of [NiFe]-hydrogenase. <i>Journal of Biological Chemistry</i> , 2015, 290, 8550-8558.	3.4	18
12	Mechanism of inhibition of NiFe hydrogenase by nitric oxide. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 454-461.	1.0	10
13	[FeFe]-hydrogenase maturation: H-cluster assembly intermediates tracked by electron paramagnetic resonance, infrared, and X-ray absorption spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 777-788.	2.6	10
14	CHAPTER 5. The Prokaryotic Mo/W-bisPGD Enzymes Family. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2016, , 143-191.	0.8	7
15	In vivo EPR Characterization of Semi-synthetic [FeFe] Hydrogenases. <i>Angewandte Chemie</i> , 2018, 130, 2626-2629.	2.0	6
16	Redox cofactors insertion in prokaryotic molybdoenzymes occurs via a conserved folding mechanism. <i>Scientific Reports</i> , 2016, 6, 37743.	3.3	4
17	Stability of the H-cluster under whole-cell conditions: formation of an H _{trans} -like state and its reactivity towards oxygen. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 345-355.	2.6	4
18	(Invited) Investigating the Hydrogenase Mechanism By Protein Film Electrochemistry. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0