

Simone Morra

List of Publications by Year in descending order

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17
papers

390
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933264

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docs citations

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times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Stability in the New [FeFe]-Hydrogenase from <i>Clostridium beijerinckii</i> SM10 (CbA5H). <i>Biochemistry</i> , 2016, 55, 5897-5900.	1.2	61
2	Site Saturation Mutagenesis Demonstrates a Central Role for Cysteine 298 as Proton Donor to the Catalytic Site in CaHydA [FeFe]-Hydrogenase. <i>PLoS ONE</i> , 2012, 7, e48400.	1.1	55
3	Direct electrochemistry of an [FeFe]-hydrogenase on a TiO ₂ Electrode. <i>Chemical Communications</i> , 2011, 47, 10566.	2.2	49
4	Expression of different types of [FeFe]-hydrogenase genes in bacteria isolated from a population of a bio-hydrogen pilot-scale plant. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9018-9027.	3.8	37
5	Biocatalyst "artificial metalloenzyme cascade based on alcohol dehydrogenase. <i>Chemical Science</i> , 2018, 9, 7447-7454.	3.7	29
6	Hydrogen production at high Faradaic efficiency by a bio-electrode based on TiO ₂ adsorption of a new [FeFe]-hydrogenase from <i>Clostridium perfringens</i> . <i>Bioelectrochemistry</i> , 2015, 106, 258-262.	2.4	27
7	Biohydrogen and biomethane production sustained by untreated matrices and alternative application of compost waste. <i>Waste Management</i> , 2016, 56, 151-157.	3.7	23
8	Fantastic [FeFe]-Hydrogenases and Where to Find Them. <i>Frontiers in Microbiology</i> , 2022, 13, 853626.	1.5	22
9	Electron transfer and H ₂ evolution in hybrid systems based on [FeFe]-hydrogenase anchored on modified TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10547-10556.	3.8	19
10	The effect of a C298D mutation in CaHydA [FeFe]-hydrogenase: Insights into the protein-metal cluster interaction by EPR and FTIR spectroscopic investigation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 98-106.	0.5	19
11	Electrochemical control of [FeFe]-hydrogenase single crystals reveals complex redox populations at the catalytic site. <i>Dalton Transactions</i> , 2021, 50, 12655-12663.	1.6	11
12	[FeFe]-hydrogenases as biocatalysts in bio-hydrogen production. <i>Rendiconti Lincei</i> , 2017, 28, 183-194.	1.0	10
13	Isolation and characterization of a new [FeFe]-hydrogenase from <i>Clostridium perfringens</i> . <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 305-311.	1.4	8
14	The crystalline state as a dynamic system: IR microspectroscopy under electrochemical control for a [NiFe] hydrogenase. <i>Chemical Science</i> , 2021, 12, 12959-12970.	3.7	8
15	Expression and role of CYP505A1 in pathogenicity of <i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140268.	1.1	7
16	Atypical effect of temperature tuning on the insertion of the catalytic iron-sulfur center in a recombinant [FeFe]-hydrogenase. <i>Protein Science</i> , 2015, 24, 2090-2094.	3.1	5
17	EXTRACTION OF BIOCHEMICALS FROM THE WINE INDUSTRY BY-PRODUCTS AND THEIR VALORIZATION. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2049-2056.	0.2	0