

Jacob H Artz

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

482
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	A site-differentiated [4Fe-4S] cluster controls electron transfer reactivity of <i>Clostridium acetobutylicum</i> [FeFe]-hydrogenase I. <i>Chemical Science</i> , 2022, 13, 4581-4588.	7.4	8
2	The influence of electron utilization pathways on photosystem I photochemistry in <i>Synechocystis</i> sp. PCC 6803. <i>RSC Advances</i> , 2022, 12, 14655-14664.	3.6	2
3	The role of thermodynamic features on the functional activity of electron bifurcating enzymes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148377.	1.0	7
4	Tuning Catalytic Bias of Hydrogen Gas Producing Hydrogenases. <i>Journal of the American Chemical Society</i> , 2020, 142, 1227-1235.	13.7	55
5	The structure and reactivity of the HoxEFU complex from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2020, 295, 9445-9454.	3.4	15
6	CO-Bridged H-Cluster Intermediates in the Catalytic Mechanism of [FeFe]-Hydrogenase Cal. <i>Journal of the American Chemical Society</i> , 2018, 140, 7623-7628.	13.7	44
7	Reduction Potentials of [FeFe]-Hydrogenase Accessory Iron-Sulfur Clusters Provide Insights into the Energetics of Proton Reduction Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 9544-9550.	13.7	42
8	Structural Characterization of Poised States in the Oxygen Sensitive Hydrogenases and Nitrogenases. <i>Methods in Enzymology</i> , 2017, 595, 213-259.	1.0	6
9	The Electron Bifurcating FixABCX Protein Complex from <i>Azotobacter vinelandii</i> : Generation of Low-Potential Reducing Equivalents for Nitrogenase Catalysis. <i>Biochemistry</i> , 2017, 56, 4177-4190.	2.5	140
10	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases Cpl and Cpll of <i>Clostridium pasteurianum</i> Strain W5. <i>Frontiers in Microbiology</i> , 2017, 8, 1305.	3.5	30
11	Biochemical and Structural Properties of a Thermostable Mercuric Ion Reductase from <i>Metallosphaera sedula</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 97.	4.1	14
12	[FeFe]-Hydrogenase Oxygen Inactivation Is Initiated at the H Cluster 2Fe Subcluster. <i>Journal of the American Chemical Society</i> , 2015, 137, 1809-1816.	13.7	119