

Monika Tokmina-Lukaszewska

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

944
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical coupling in the nitrogenase complex. <i>PLoS Computational Biology</i> , 2021, 17, e1008719.	3.2	8
2	Metabolic Responses to Arsenite Exposure Regulated through Histidine Kinases PhoR and AioS in <i>Agrobacterium tumefaciens</i> 5A. <i>Microorganisms</i> , 2020, 8, 1339.	3.6	1
3	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
4	The catalytic mechanism of electron-bifurcating electron transfer flavoproteins (ETFs) involves an intermediary complex with NAD ⁺ . <i>Journal of Biological Chemistry</i> , 2019, 294, 3271-3283.	3.4	30
5	The oxygen reduction reaction catalyzed by <i>Synechocystis</i> sp. PCC 6803 flavodiiron proteins. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3191-3200.	4.9	22
6	Probing Cascade complex composition and stability using native mass spectrometry techniques. <i>Methods in Enzymology</i> , 2019, 616, 87-116.	1.0	4
7	Distinct properties underlie flavin-based electron bifurcation in a novel electron transfer flavoprotein FixAB from <i>Rhodospseudomonas palustris</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 4688-4701.	3.4	22
8	Mechanism of N ₂ Reduction Catalyzed by Fe-Nitrogenase Involves Reductive Elimination of H ₂ . <i>Biochemistry</i> , 2018, 57, 701-710.	2.5	80
9	H/D exchange mass spectrometry and statistical coupling analysis reveal a role for allostery in a ferredoxin-dependent bifurcating transhydrogenase catalytic cycle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 9-17.	2.4	38
10	The Role of Mass Spectrometry in Structural Studies of Flavin-Based Electron Bifurcating Enzymes. <i>Frontiers in Microbiology</i> , 2018, 9, 1397.	3.5	8
11	A new era for electron bifurcation. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 32-38.	6.1	54
12	Mechanistic insights into energy conservation by flavin-based electron bifurcation. <i>Nature Chemical Biology</i> , 2017, 13, 655-659.	8.0	121
13	Unraveling the interactions of the physiological reductant flavodoxin with the different conformations of the Fe protein in the nitrogenase cycle. <i>Journal of Biological Chemistry</i> , 2017, 292, 15661-15669.	3.4	21
14	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
15	Two functionally distinct NADP ⁺ -dependent ferredoxin oxidoreductases maintain the primary redox balance of <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 14603-14616.	3.4	54
16	Metabolic response of <i>Agrobacterium tumefaciens</i> 5A to arsenite. <i>Environmental Microbiology</i> , 2017, 19, 710-721.	3.8	15
17	The CRISPR RNA-guided surveillance complex in <i>Escherichia coli</i> accommodates extended RNA spacers. <i>Nucleic Acids Research</i> , 2016, 44, gkw421.	14.5	42
18	Altered stoichiometry <i>Escherichia coli</i> Cascade complexes with shortened CRISPR RNA spacers are capable of interference and primed adaptation. <i>Nucleic Acids Research</i> , 2016, 44, 10849-10861.	14.5	37

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19	Unification of [FeFe]-hydrogenases into three structural and functional groups. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1910-1921.	2.4	76
20	Evidence That the P _i Release Event Is the Rate-Limiting Step in the Nitrogenase Catalytic Cycle. <i>Biochemistry</i> , 2016, 55, 3625-3635.	2.5	95
21	Time-resolved Studies of IsdG Protein Identify Molecular Signposts along the Non-canonical Heme Oxygenase Pathway. <i>Journal of Biological Chemistry</i> , 2016, 291, 862-871.	3.4	19
22	Bovine serum albumin as a molecular sensor for the discrimination of complex metabolite samples. <i>Analytica Chimica Acta</i> , 2014, 818, 61-66.	5.4	5
23	Application of support vector machines to metabolomics experiments with limited replicates. <i>Metabolomics</i> , 2014, 10, 1121-1128.	3.0	36
24	Scanning Probe Microscopy of Serpin Polymers. <i>Biophysical Journal</i> , 2012, 102, 589a.	0.5	0