

Tobias Kruse

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

402
citations

933447

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888059

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19
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell biology of molybdenum in plants and humans. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1568-1579.	4.1	159
2	Identification and Biochemical Characterization of Molybdenum Cofactor-binding Proteins from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 6623-6635.	3.4	55
3	The functional principle of eukaryotic molybdenum insertases. <i>Biochemical Journal</i> , 2018, 475, 1739-1753.	3.7	25
4	Biochemical Characterization of Molybdenum Cofactor-free Nitrate Reductase from <i>Neurospora crassa</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 14657-14671.	3.4	20
5	Direct electrochemistry of nitrate reductase from the fungus <i>Neurospora crassa</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1506-1513.	1.0	19
6	Dimerization of the plant molybdenum insertase Cnx1E is required for synthesis of the molybdenum cofactor. <i>Biochemical Journal</i> , 2017, 474, 163-178.	3.7	19
7	Mechanism of molybdate insertion into pterin-based molybdenum cofactors. <i>Nature Chemistry</i> , 2021, 13, 758-765.	13.6	19
8	Genetic characterization of the <i>Neurospora crassa</i> molybdenum cofactor biosynthesis. <i>Fungal Genetics and Biology</i> , 2014, 66, 69-78.	2.1	16
9	Insights into the Cnx1E catalyzed MPT-AMP hydrolysis. <i>Bioscience Reports</i> , 2020, 40, .	2.4	15
10	Aminopyrazine Pathway to the Moco Metabolite Dephospho Form A. <i>Chemistry - A European Journal</i> , 2017, 23, 11230-11233.	3.3	11
11	S-Sulfocysteine Induces Seizure-Like Behaviors in Zebrafish. <i>Frontiers in Pharmacology</i> , 2019, 10, 122.	3.5	8
12	Identification and characterisation of the <i>Volvox carteri</i> Moco carrier protein. <i>Bioscience Reports</i> , 2020, 40, .	2.4	7
13	The structure of the Moco carrier protein from <i>Rippkaea orientalis</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 453-463.	0.8	6
14	Electrochemically driven catalysis of the bacterial molybdenum enzyme YiiM. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148523.	1.0	6
15	Enzymatic characterization of recombinant nitrate reductase expressed and purified from <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2015, 80, 10-18.	2.1	5
16	The First Step of <i>Neurospora crassa</i> Molybdenum Cofactor Biosynthesis: Regulatory Aspects under N-Derepressing and Nitrate-Inducing Conditions. <i>Microorganisms</i> , 2020, 8, 534.	3.6	5
17	Catalytic electrochemistry of the bacterial Molybdoenzyme YcbX. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148579.	1.0	3