

Nicholas D Lanz

List of Publications by Year in descending order

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18
papers

794
citations

687363

13
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Mössbauer spectroscopy of Fe/S proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1395-1405.	4.1	102
2	RlmN and AtsB as Models for the Overproduction and Characterization of Radical SAM Proteins. <i>Methods in Enzymology</i> , 2012, 516, 125-152.	1.0	98
3	Auxiliary iron-sulfur cofactors in radical SAM enzymes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1316-1334.	4.1	93
4	Crystallographic snapshots of sulfur insertion by lipoyl synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9446-9450.	7.1	89
5	Spectroscopic and Electrochemical Characterization of the Iron-Sulfur and Cobalamin Cofactors of TsrM, an Unusual Radical S-Adenosylmethionine Methylase. <i>Journal of the American Chemical Society</i> , 2016, 138, 3416-3426.	13.7	77
6	Identification and function of auxiliary iron-sulfur clusters in radical SAM enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1196-1212.	2.3	66
7	Enhanced Solubilization of Class B Radical S-Adenosylmethionine Methylases by Improved Cobalamin Uptake in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2018, 57, 1475-1490.	2.5	60
8	Further Characterization of Cys-Type and Ser-Type Anaerobic Sulfatase Maturing Enzymes Suggests a Commonality in the Mechanism of Catalysis. <i>Biochemistry</i> , 2013, 52, 2874-2887.	2.5	54
9	Evidence for a Catalytically and Kinetically Competent Enzyme-Substrate Cross-Linked Intermediate in Catalysis by Lipoyl Synthase. <i>Biochemistry</i> , 2014, 53, 4557-4572.	2.5	47
10	Structure-based hypothesis on the activation of the CO-sensing transcription factor CooA. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 282-287.	2.5	32
11	Unexpected NO-dependent DNA binding by the CooA homolog from <i>Carboxydotherrmus hydrogenoformans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 891-896.	7.1	31
12	Characterization of a Radical Intermediate in Lipoyl Cofactor Biosynthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 13216-13219.	13.7	17
13	Characterization of Lipoyl Synthase from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2016, 55, 1372-1383.	2.5	16
14	Characterization of the Î²-KDO Transferase KpsS, the Initiating Enzyme in the Biosynthesis of the Lipid Acceptor for <i>Escherichia coli</i> Polysialic Acid. <i>Biochemistry</i> , 2021, 60, 2044-2054.	2.5	7
15	9. The role of iron-sulfur clusters in the biosynthesis of the lipoyl cofactor. , 2014, , 211-238.		3
16	Characterization of Radical S-adenosylmethionine Enzymes and Intermediates in their Reactions by Continuous Wave and Pulse Electron Paramagnetic Resonance Spectroscopies. <i>Biological Magnetic Resonance</i> , 2017, , 143-186.	0.4	2
17	11. The role of iron-sulfur clusters in the biosynthesis of the lipoyl cofactor. , 2017, , 327-358.		0
18	Evidence for the Sacrificial Role of the Auxiliary [4Fe-S] Cluster of Lipoyl Synthase. <i>FASEB Journal</i> , 2015, 29, 572.4.	0.5	0