Aaron T Smith

List of Publications by Year in descending order

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ΔΑΡΟΝ Τ ΟΜΙΤΗ

#	Article	IF	CITATIONS
1	A fusion of the Bacteroides fragilis ferrous iron import proteins reveals a role for FeoA in stabilizing GTP-bound FeoB. Journal of Biological Chemistry, 2022, 298, 101808.	3.4	6
2	Prokaryotic Ferrous Iron Transport: Exploiting Pools of Reduced Iron Across Multiple Microbial Environments. Advances in Environmental Microbiology, 2022, , 299-357.	0.3	1
3	Purification and functional analysis of the ferrous iron transport protein B (FeoB) incorporated into SMA opolymer nanodiscs. FASEB Journal, 2022, 36, .	0.5	0
4	Structural and regulatory elements of postâ€ŧranslational arginylation. FASEB Journal, 2022, 36, .	0.5	0
5	A general protocol for the expression and purification of the intact transmembrane transporter FeoB. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183973.	2.6	3
6	The structure of Vibrio cholerae FeoC reveals conservation of the helix-turn-helix motif but not the cluster-binding domain. Journal of Biological Inorganic Chemistry, 2022, 27, 485-495.	2.6	0
7	Ferric iron reductases and their contribution to unicellular ferrous iron uptake. Journal of Inorganic Biochemistry, 2021, 218, 111407.	3.5	33
8	Ins and Outs: Recent Advancements in Membrane Protein-Mediated Prokaryotic Ferrous Iron Transport. Biochemistry, 2021, 60, 3277-3291.	2.5	17
9	Non-canonical LexA proteins regulate the SOS response in the Bacteroidetes. Nucleic Acids Research, 2021, 49, 11050-11066.	14.5	5
10	ATE1-Mediated Post-Translational Arginylation Is an Essential Regulator of Eukaryotic Cellular Homeostasis. ACS Chemical Biology, 2020, 15, 3073-3085.	3.4	16
11	The FeoC [4Fe–4S] Cluster Is Redox-Active and Rapidly Oxygen-Sensitive. Biochemistry, 2019, 58, 4935-4949.	2.5	20
12	The crystal structure of <i>Klebsiella pneumoniae</i> FeoA reveals a site for proteinâ€protein interactions. Proteins: Structure, Function and Bioinformatics, 2019, 87, 897-903.	2.6	14
13	Expression and purification of functionally active ferrous iron transporter FeoB from Klebsiella pneumoniae. Protein Expression and Purification, 2018, 142, 1-7.	1.3	17
14	Toward a mechanistic understanding of Feo-mediated ferrous iron uptake. Metallomics, 2018, 10, 887-898.	2.4	67
15	Metal Selectivity of a Cd-, Co-, and Zn-Transporting P _{1B} -type ATPase. Biochemistry, 2017, 56, 85-95.	2.5	20
16	CO and NO bind to Fe(II) DiGeorge critical region 8 heme but do not restore primary microRNA processing activity. Journal of Biological Inorganic Chemistry, 2016, 21, 1021-1035.	2.6	4
17	A new metal binding domain involved in cadmium, cobalt and zinc transport. Nature Chemical Biology, 2015, 11, 678-684.	8.0	31
18	Functional Divergence of Heme-Thiolate Proteins: A Classification Based on Spectroscopic Attributes. Chemical Reviews, 2015, 115, 2532-2558.	47.7	49

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19	A Small Molecule That Switches a Ubiquitin Ligase From a Processive to a Distributive Enzymatic Mechanism. Journal of the American Chemical Society, 2015, 137, 12442-12445.	13.7	82
20	Diversity of the metal-transporting P1B-type ATPases. Journal of Biological Inorganic Chemistry, 2014, 19, 947-960.	2.6	98
21	DiGeorge Critical Region 8 (DGCR8) Is a Double-cysteine-ligated Heme Protein. Journal of Biological Chemistry, 2011, 286, 16716-16725.	3.4	54