

# Aaron T Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

541  
citations

759055

12  
h-index

839398

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

821  
citing authors

#	ARTICLE	IF	CITATIONS
1	A fusion of the <i>Bacteroides fragilis</i> ferrous iron import proteins reveals a role for FeoA in stabilizing GTP-bound FeoB. <i>Journal of Biological Chemistry</i> , 2022, 298, 101808.	1.6	6
2	Prokaryotic Ferrous Iron Transport: Exploiting Pools of Reduced Iron Across Multiple Microbial Environments. <i>Advances in Environmental Microbiology</i> , 2022, , 299-357.	0.1	1
3	Purification and functional analysis of the ferrous iron transport protein B (FeoB) incorporated into SMA copolymer nanodiscs. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
4	Structural and regulatory elements of post-translational arginylation. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
5	A general protocol for the expression and purification of the intact transmembrane transporter FeoB. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183973.	1.4	3
6	The structure of <i>Vibrio cholerae</i> FeoC reveals conservation of the helix-turn-helix motif but not the cluster-binding domain. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 485-495.	1.1	0
7	Ferric iron reductases and their contribution to unicellular ferrous iron uptake. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111407.	1.5	33
8	Ins and Outs: Recent Advancements in Membrane Protein-Mediated Prokaryotic Ferrous Iron Transport. <i>Biochemistry</i> , 2021, 60, 3277-3291.	1.2	17
9	Non-canonical LexA proteins regulate the SOS response in the Bacteroidetes. <i>Nucleic Acids Research</i> , 2021, 49, 11050-11066.	6.5	5
10	ATE1-Mediated Post-Translational Arginylation Is an Essential Regulator of Eukaryotic Cellular Homeostasis. <i>ACS Chemical Biology</i> , 2020, 15, 3073-3085.	1.6	16
11	The FeoC [4Fe-4S] Cluster Is Redox-Active and Rapidly Oxygen-Sensitive. <i>Biochemistry</i> , 2019, 58, 4935-4949.	1.2	20
12	The crystal structure of <i>Klebsiella pneumoniae</i> FeoA reveals a site for protein-protein interactions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 897-903.	1.5	14
13	Expression and purification of functionally active ferrous iron transporter FeoB from <i>Klebsiella pneumoniae</i> . <i>Protein Expression and Purification</i> , 2018, 142, 1-7.	0.6	17
14	Toward a mechanistic understanding of Feo-mediated ferrous iron uptake. <i>Metallomics</i> , 2018, 10, 887-898.	1.0	67
15	Metal Selectivity of a Cd-, Co-, and Zn-Transporting P <sub>1B</sub> -type ATPase. <i>Biochemistry</i> , 2017, 56, 85-95.	1.2	20
16	CO and NO bind to Fe(II) D <sub>1</sub> GE critical region 8 heme but do not restore primary microRNA processing activity. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 1021-1035.	1.1	4
17	A new metal binding domain involved in cadmium, cobalt and zinc transport. <i>Nature Chemical Biology</i> , 2015, 11, 678-684.	3.9	31
18	Functional Divergence of Heme-Thiolate Proteins: A Classification Based on Spectroscopic Attributes. <i>Chemical Reviews</i> , 2015, 115, 2532-2558.	23.0	49

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19	A Small Molecule That Switches a Ubiquitin Ligase From a Processive to a Distributive Enzymatic Mechanism. <i>Journal of the American Chemical Society</i> , 2015, 137, 12442-12445.	6.6	82
20	Diversity of the metal-transporting P1B-type ATPases. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 947-960.	1.1	98
21	DiGeorge Critical Region 8 (DGCR8) Is a Double-cysteine-ligated Heme Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 16716-16725.	1.6	54