Jarett M Wilcoxen

List of Publications by Year
in descending order

21	537	643344 15	799663 21
papers	citations	h-index	g-index

21	21	21	669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Kinetic Investigation of the Early Steps in Cytochrome c Nitrite Reductase (ccNiR)-Catalyzed Reduction of Nitrite. Biochemistry, 2021, 60, 2098-2115.	1.2	6
2	Tracing the incorporation of the â€œninth sulfurâ€•into the nitrogenase cofactor precursor with selenite and tellurite. Nature Chemistry, 2021, 13, 1228-1234.	6.6	12
3	Identity and function of an essential nitrogen ligand of the nitrogenase cofactor biosynthesis protein NifB. Nature Communications, 2020, 11, 1757.	5.8	16
4	Spectroscopic Characterization of an Eightâ€Iron Nitrogenase Cofactor Precursor that Lacks the â€œ9th Sulfurâ€• Angewandte Chemie - International Edition, 2019, 58, 14703-14707.	7.2	24
5	Spectroscopic Characterization of an Eightâ€Iron Nitrogenase Cofactor Precursor that Lacks the â€œ9 th Sulfurâ€• Angewandte Chemie, 2019, 131, 14845-14849.	1.6	6
6	Isolation and Study of Rutheniumâ€“Cobalt Oxo Cubanes Bearing a High-Valent, Terminal Ru^Vâ€“Oxo with Significant Oxyl Radical Character. Journal of the American Chemical Society, 2019, 141, 19859-19869.	6.6	21
7	Biophysical Characterization of a Disabled Double Mutant of Soybean Lipoxygenase: The â€œUndoingâ€•of Precise Substrate Positioning Relative to Metal Cofactor and an Identified Dynamical Network. Journal of the American Chemical Society, 2019, 141, 1555-1567.	6.6	19
8	Evaluation of the Catalytic Relevance of the COâ€Bound States of Vâ€Nitrogenase. Angewandte Chemie - International Edition, 2018, 57, 3411-3414.	7.2	24
9	Evaluation of the Catalytic Relevance of the COâ€Bound States of Vâ€Nitrogenase. Angewandte Chemie, 2018, 130, 3469-3472.	1.6	10
10	A Radical Intermediate in Bacillus subtilis QueE during Turnover with the Substrate Analogue 6-Carboxypterin. Journal of the American Chemical Society, 2018, 140, 1753-1759.	6.6	15
11	Probing the coordination and function of Fe4S4 modules in nitrogenase assembly protein NifB. Nature Communications, 2018, 9, 2824.	5.8	40
12	Studies of carbon monoxide dehydrogenase from Oligotropha carboxidovorans. Journal of Molecular Catalysis B: Enzymatic, 2016, 134, 317-322.	1.8	8
13	Protonation of the Hydroperoxo Intermediate of Cytochrome P450 2B4 Is Slower in the Presence of Cytochrome P450 Reductase Than in the Presence of Cytochrome b5. Biochemistry, 2016, 55, 6558-6567.	1.2	18
14	Electron Paramagnetic Resonance Characterization of Three Ironâ€“Sulfur Clusters Present in the Nitrogenase Cofactor Maturase NifB from Methanocaldococcus infernus. Journal of the American Chemical Society, 2016, 138, 7468-7471.	6.6	36
15	Biochemical and Spectroscopic Characterization of a Radical S-Adenosyl-<scp>l</scp>-methionine Enzyme Involved in the Formation of a Peptide Thioether Cross-Link. Biochemistry, 2016, 55, 2122-2134.	1.2	55
16	Formation of Hexacoordinate Mn(III) in Bacillus subtilis Oxalate Decarboxylase Requires Catalytic Turnover. Biochemistry, 2016, 55, 429-434.	1.2	15
17	The aerobic CO dehydrogenase from Oligotropha carboxidovorans. Journal of Biological Inorganic Chemistry, 2015, 20, 243-251.	1.1	65
18	¹³C and ^{63,65}Cu ENDOR studies of CO Dehydrogenase from Oligotropha carboxidovorans. Experimental Evidence in Support of a Copperâ€“Carbonyl Intermediate. Journal of the American Chemical Society, 2013, 135, 17775-17782.	6.6	44

#	Article	IF	Citations
19	The Hydrogenase Activity of the Molybdenum/Copper-containing Carbon Monoxide Dehydrogenase of Oligotropha carboxidovorans. Journal of Biological Chemistry, 2013, 288, 36052-36060.	1.6	29
20	Substitution of Silver for Copper in the Binuclear Mo/Cu Center of Carbon Monoxide Dehydrogenase from Oligotropha carboxidovorans. Journal of the American Chemical Society, 2011, 133, 12934-12936.	6.6	32
21	Reaction of the Molybdenum- and Copper-Containing Carbon Monoxide Dehydrogenase from Oligotropha carboxydovorans with Quinones. Biochemistry, 2011, 50, 1910-1916.	1.2	42