# Jarett M Wilcoxen

List of Publications by Year
in descending order



| 21 | 537 | 567281 15 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 603 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The aerobic CO dehydrogenase from Oligotropha carboxidovorans. Journal of Biological Inorganic Chemistry, 2015, 20, 243-251. | 2.6 | 65 |
| 2 | 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. | 2.5 | 55 |
| 3 | <sup>13</sup>C and <sup>63,65</sup>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. | 13.7 | 44 |
| 4 | Reaction of the Molybdenum- and Copper-Containing Carbon Monoxide Dehydrogenase from Oligotropha carboxydovorans with Quinones. Biochemistry, 2011, 50, 1910-1916. | 2.5 | 42 |
| 5 | Probing the coordination and function of Fe4S4 modules in nitrogenase assembly protein NifB. Nature Communications, 2018, 9, 2824. | 12.8 | 40 |
| 6 | 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. | 13.7 | 36 |
| 7 | 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. | 13.7 | 32 |
| 8 | The Hydrogenase Activity of the Molybdenum/Copper-containing Carbon Monoxide Dehydrogenase of Oligotropha carboxidovorans. Journal of Biological Chemistry, 2013, 288, 36052-36060. | 3.4 | 29 |
| 9 | Evaluation of the Catalytic Relevance of the COâ€Bound States of Vâ€Nitrogenase. Angewandte Chemie - International Edition, 2018, 57, 3411-3414. | 13.8 | 24 |
| 10 | Spectroscopic Characterization of an Eightâ€Iron Nitrogenase Cofactor Precursor that Lacks the â€œ9<sup>th</sup> Sulfurâ€• Angewandte Chemie - International Edition, 2019, 58, 14703-14707. | 13.8 | 24 |
| 11 | Isolation and Study of Rutheniumâ€“Cobalt Oxo Cubanes Bearing a High-Valent, Terminal Ru<sup>V</sup>â€“Oxo with Significant Oxyl Radical Character. Journal of the American Chemical Society, 2019, 141, 19859-19869. | 13.7 | 21 |
| 12 | 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. | 13.7 | 19 |
| 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. | 2.5 | 18 |
| 14 | Identity and function of an essential nitrogen ligand of the nitrogenase cofactor biosynthesis protein NifB. Nature Communications, 2020, 11, 1757. | 12.8 | 16 |
| 15 | Formation of Hexacoordinate Mn(III) in Bacillus subtilis Oxalate Decarboxylase Requires Catalytic Turnover. Biochemistry, 2016, 55, 429-434. | 2.5 | 15 |
| 16 | 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. | 13.7 | 15 |
| 17 | Tracing the incorporation of the â€œninth sulfurâ€•into the nitrogenase cofactor precursor with selenite and tellurite. Nature Chemistry, 2021, 13, 1228-1234. | 13.6 | 12 |
| 18 | Evaluation of the Catalytic Relevance of the COâ€Bound States of Vâ€Nitrogenase. Angewandte Chemie, 2018, 130, 3469-3472. | 2.0 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Studies of carbon monoxide dehydrogenase from Oligotropha carboxidovorans. Journal of Molecular Catalysis B: Enzymatic, 2016, 134, 317-322. | 1.8 | 8 |
| 20 | Spectroscopic Characterization of an Eightâ€iron Nitrogenase Cofactor Precursor that Lacks the â€œ9 th Sulfurâ€• Angewandte Chemie, 2019, 131, 14845-14849. | 2.0 | 6 |
| 21 | A Kinetic Investigation of the Early Steps in Cytochrome c Nitrite Reductase (ccNiR)-Catalyzed Reduction of Nitrite. Biochemistry, 2021, 60, 2098-2115. | 2.5 | 6 |