

Johannes G Rebelein

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

433
citations

13
h-index

20
g-index

20
ext. papers

583
ext. citations

13.4
avg, IF

4.24
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 18 | In vivo catalyzed new-to-nature reactions. <i>Current Opinion in Biotechnology</i> , 2018 , 53, 106-114 | 11.4 | 63 |
| 17 | Differential reduction of CO ₂ by molybdenum and vanadium nitrogenases. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11543-6 | 16.4 | 54 |
| 16 | Structure of ADP-aluminium fluoride-stabilized protochlorophyllide oxidoreductase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2094-8 | 11.5 | 45 |
| 15 | Genetic Engineering of an Artificial Metalloenzyme for Transfer Hydrogenation of a Self-Immolative Substrate in Escherichia coli's Periplasm. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13171-13175 | 16.4 | 43 |
| 14 | "Close-to-Release": Spontaneous Bioorthogonal Uncaging Resulting from Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17048-17052 | 16.4 | 42 |
| 13 | Activation and reduction of carbon dioxide by nitrogenase iron proteins. <i>Nature Chemical Biology</i> , 2017 , 13, 147-149 | 11.7 | 35 |
| 12 | Chemical Optimization of Whole-Cell Transfer Hydrogenation Using Carbonic Anhydrase as Host Protein. <i>ACS Catalysis</i> , 2019 , 9, 4173-4178 | 13.1 | 25 |
| 11 | The in vivo hydrocarbon formation by vanadium nitrogenase follows a secondary metabolic pathway. <i>Nature Communications</i> , 2016 , 7, 13641 | 17.4 | 22 |
| 10 | Breaking Symmetry: Engineering Single-Chain Dimeric Streptavidin as Host for Artificial Metalloenzymes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15869-15878 | 16.4 | 19 |
| 9 | Widening the Product Profile of Carbon Dioxide Reduction by Vanadium Nitrogenase. <i>ChemBioChem</i> , 2015 , 16, 1993-6 | 3.8 | 18 |
| 8 | Assembly scaffold NifEN: A structural and functional homolog of the nitrogenase catalytic component. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9504-8 | 11.5 | 17 |
| 7 | Enantioselective Hydroxylation of Benzylic C(sp)-H Bonds by an Artificial Iron Hydroxylase Based on the Biotin-Streptavidin Technology. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10617-10623 | 16.4 | 16 |
| 6 | Differential Reduction of CO ₂ by Molybdenum and Vanadium Nitrogenases. <i>Angewandte Chemie</i> , 2014 , 126, 11727-11730 | 3.6 | 13 |
| 5 | Characterization of an M-Cluster-Substituted Nitrogenase VFe Protein. <i>MBio</i> , 2018 , 9, | 7.8 | 12 |
| 4 | Methane formation driven by reactive oxygen species across all living organisms.. <i>Nature</i> , 2022 , | 50.4 | 4 |
| 3 | A Dual Anchoring Strategy for the Directed Evolution of Improved Artificial Transfer Hydrogenases Based on Carbonic Anhydrase. <i>ACS Central Science</i> , 2021 , 7, 1874-1884 | 16.8 | 3 |
| 2 | Nitrogenase Complex 2014 , | | 2 |

- 1 An EPR and VTVH MCD spectroscopic investigation of the nitrogenase assembly protein NifB. *Journal of Biological Inorganic Chemistry*, **2021**, 26, 403-410 3·7