Johannes G Rebelein

List of Publications by Year in Descending Order

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	Methane formation driven by reactive oxygen species across all living organisms.. *Nature*, **2022**,	50.4	4
17	A Dual Anchoring Strategy for the Directed Evolution of Improved Artificial Transfer Hydrogenases Based on Carbonic Anhydrase. *ACS Central Science*, **2021**, 7, 1874-1884	16.8	3
16	An EPR and VTVH MCD spectroscopic investigation of the nitrogenase assembly protein NifB. *Journal of Biological Inorganic Chemistry*, **2021**, 26, 403-410	3.7	
15	Enantioselective Hydroxylation of Benzylic C(sp)-H Bonds by an Artificial Iron Hydroxylase Based on the Biotin-Streptavidin Technology. *Journal of the American Chemical Society*, **2020**, 142, 10617-10623	16.4	16
14	Breaking Symmetry: Engineering Single-Chain Dimeric Streptavidin as Host for Artificial Metalloenzymes. *Journal of the American Chemical Society*, **2019**, 141, 15869-15878	16.4	19
13	"Close-to-Release": Spontaneous Bioorthogonal Uncaging Resulting from Ring-Closing Metathesis. *Journal of the American Chemical Society*, **2019**, 141, 17048-17052	16.4	42
12	Chemical Optimization of Whole-Cell Transfer Hydrogenation Using Carbonic Anhydrase as Host Protein. *ACS Catalysis*, **2019**, 9, 4173-4178	13.1	25
11	In vivo catalyzed new-to-nature reactions. *Current Opinion in Biotechnology*, **2018**, 53, 106-114	11.4	63
10	Characterization of an M-Cluster-Substituted Nitrogenase VFe Protein. *MBio*, **2018**, 9,	7.8	12
9	Genetic Engineering of an Artificial Metalloenzyme for Transfer Hydrogenation of a Self-Immolative Substrate in Escherichia coli's Periplasm. *Journal of the American Chemical Society*, **2018**, 140, 13171-13175	16.4	43
8	Activation and reduction of carbon dioxide by nitrogenase iron proteins. *Nature Chemical Biology*, **2017**, 13, 147-149	11.7	35
7	Assembly scaffold NifEN: A structural and functional homolog of the nitrogenase catalytic component. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9504-8	11.5	17
6	The in vivo hydrocarbon formation by vanadium nitrogenase follows a secondary metabolic pathway. *Nature Communications*, **2016**, 7, 13641	17.4	22
5	Widening the Product Profile of Carbon Dioxide Reduction by Vanadium Nitrogenase. *ChemBioChem*, **2015**, 16, 1993-6	3.8	18
4	Nitrogenase Complex **2014**,		2
3	Differential reduction of CO by molybdenum and vanadium nitrogenases. *Angewandte Chemie - International Edition*, **2014**, 53, 11543-6	16.4	54
2	Differential Reduction of CO2 by Molybdenum and Vanadium Nitrogenases. *Angewandte Chemie*, **2014**, 126, 11727-11730	3.6	13

1	Structure of ADP-aluminium fluoride-stabilized protochlorophyllide oxidoreductase complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 2094-8	11.5	45