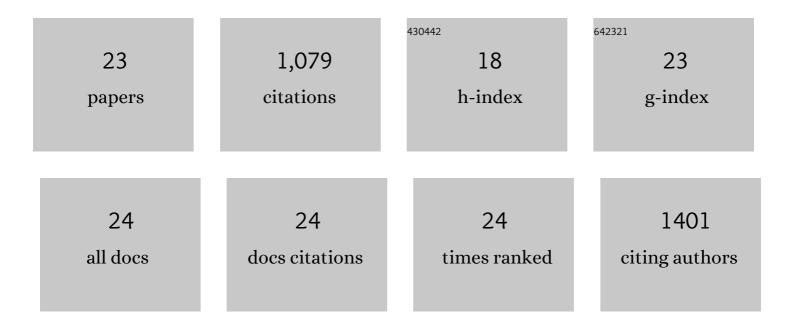
## Saroj Poudel

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1027617/publications.pdf Version: 2024-02-01



SADOL POLIDEL

#	Article	IF	CITATIONS
1	A pathway for biological methane production using bacterial iron-only nitrogenase. Nature Microbiology, 2018, 3, 281-286.	5.9	131
2	The deep, hot biosphere: Twenty-five years of retrospection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6895-6903.	3.3	102
3	Electron Transfer to Nitrogenase in Different Genomic and Metabolic Backgrounds. Journal of Bacteriology, 2018, 200, .	1.0	85
4	Defining Electron Bifurcation in the Electron-Transferring Flavoprotein Family. Journal of Bacteriology, 2017, 199, .	1.0	78
5	Microbialite response to an anthropogenic salinity gradient in Great Salt Lake, Utah. Geobiology, 2017, 15, 131-145.	1.1	77
6	Unification of [FeFe]-hydrogenases into three structural and functional groups. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1910-1921.	1.1	76
7	Geobiological feedbacks and the evolution of thermoacidophiles. ISME Journal, 2018, 12, 225-236.	4.4	70
8	Physiological adaptations to serpentinization in the Samail Ophiolite, Oman. ISME Journal, 2019, 13, 1750-1762.	4.4	61
9	Two functionally distinct NADP+-dependent ferredoxin oxidoreductases maintain the primary redox balance of Pyrococcus furiosus. Journal of Biological Chemistry, 2017, 292, 14603-14616.	1.6	54
10	De novo design of symmetric ferredoxins that shuttle electrons in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14557-14562.	3.3	41
11	H/D exchange mass spectrometry and statistical coupling analysis reveal a role for allostery in a ferredoxin-dependent bifurcating transhydrogenase catalytic cycle. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 9-17.	1.1	38
12	The DUF59 Containing Protein SufT Is Involved in the Maturation of Iron-Sulfur (FeS) Proteins during Conditions of High FeS Cofactor Demand in Staphylococcus aureus. PLoS Genetics, 2016, 12, e1006233.	1.5	37
13	Origin and Evolution of Flavin-Based Electron Bifurcating Enzymes. Frontiers in Microbiology, 2018, 9, 1762.	1.5	34
14	Bioenergetic constraints on the origin of autotrophic metabolism. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190151.	1.6	33
15	Small protein folds at the root of an ancient metabolic network. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7193-7199.	3.3	32
16	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases Cpl and CpII of Clostridium pasteurianum Strain W5. Frontiers in Microbiology, 2017, 8, 1305.	1.5	30
17	The path of electron transfer to nitrogenase in a phototrophic alphaâ€proteobacterium. Environmental Microbiology, 2018, 20, 2500-2508.	1.8	26
18	Identification of MicroRNAs and Transcript Targets in Camelina sativa by Deep Sequencing and Computational Methods. PLoS ONE, 2015, 10, e0121542.	1.1	22

Saroj Poudel

#	Article	IF	CITATIONS
19	Electron acceptor availability alters carbon and energy metabolism in a thermoacidophile. Environmental Microbiology, 2018, 20, 2523-2537.	1.8	17
20	Biophysical analysis of the structural evolution of substrate specificity in RuBisCO. Proceedings of the United States of America, 2020, 117, 30451-30457.	3.3	14
21	The Beta Subunit of Non-bifurcating NADH-Dependent [FeFe]-Hydrogenases Differs From Those of Multimeric Electron-Bifurcating [FeFe]-Hydrogenases. Frontiers in Microbiology, 2020, 11, 1109.	1.5	14
22	Design of a Fe <sub>4</sub> S <sub>4</sub> cluster into the core of a <i>deÂnovo</i> fourâ€helix bundle. Biotechnology and Applied Biochemistry, 2020, 67, 574-585.	1.4	6
23	Proteins Related to the Type I Secretion System Are Associated with Secondary SecA_DEAD Domain Proteins in Some Species of Planctomycetes, Verrucomicrobia, Proteobacteria, Nitrospirae and Chlorobi. PLoS ONE, 2015, 10, e0129066.	1.1	1