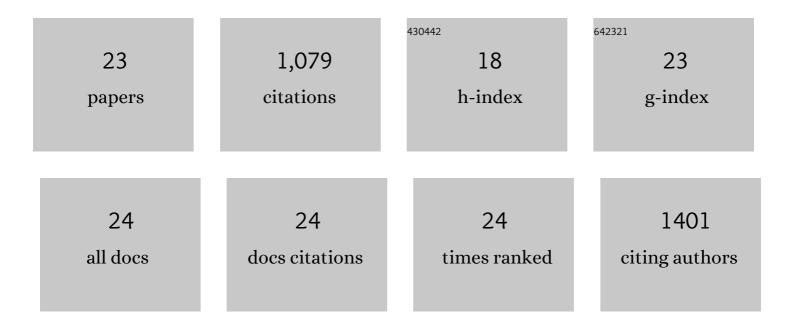
## Saroj Poudel

List of Publications by Year in descending order

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SAROI POUDEL

#	Article	IF	CITATIONS
1	Bioenergetic constraints on the origin of autotrophic metabolism. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190151.	1.6	33
2	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
3	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
4	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
5	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
6	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
7	Physiological adaptations to serpentinization in the Samail Ophiolite, Oman. ISME Journal, 2019, 13, 1750-1762.	4.4	61
8	Electron Transfer to Nitrogenase in Different Genomic and Metabolic Backgrounds. Journal of Bacteriology, 2018, 200, .	1.0	85
9	A pathway for biological methane production using bacterial iron-only nitrogenase. Nature Microbiology, 2018, 3, 281-286.	5.9	131
10	The path of electron transfer to nitrogenase in a phototrophic alphaâ€proteobacterium. Environmental Microbiology, 2018, 20, 2500-2508.	1.8	26
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	Geobiological feedbacks and the evolution of thermoacidophiles. ISME Journal, 2018, 12, 225-236.	4.4	70
13	Electron acceptor availability alters carbon and energy metabolism in a thermoacidophile. Environmental Microbiology, 2018, 20, 2523-2537.	1.8	17
14	Origin and Evolution of Flavin-Based Electron Bifurcating Enzymes. Frontiers in Microbiology, 2018, 9, 1762.	1.5	34
15	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
16	Defining Electron Bifurcation in the Electron-Transferring Flavoprotein Family. Journal of Bacteriology, 2017, 199, .	1.0	78
17	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
18	Microbialite response to an anthropogenic salinity gradient in Great Salt Lake, Utah. Geobiology, 2017, 15, 131-145.	1.1	77

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#	Article	IF	CITATIONS
19	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases Cpl and Cpll of Clostridium pasteurianum Strain W5. Frontiers in Microbiology, 2017, 8, 1305.	1.5	30
20	Unification of [FeFe]-hydrogenases into three structural and functional groups. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1910-1921.	1.1	76
21	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
22	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
23	ldentification of MicroRNAs and Transcript Targets in Camelina sativa by Deep Sequencing and Computational Methods. PLoS ONE, 2015, 10, e0121542.	1.1	22