

Sudipta Shaw

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

507
citations

1163117
8
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of N ₂ Reduction Catalyzed by Fe-Nitrogenase Involves Reductive Elimination of H ₂ . <i>Biochemistry</i> , 2018, 57, 701-710.	2.5	80
2	Mechanism of Nitrogenase H ₂ Formation by Metal-Hydride Protonation Probed by Mediated Electrocatalysis and H/D Isotope Effects. <i>Journal of the American Chemical Society</i> , 2017, 139, 13518-13524.	13.7	51
3	Negative cooperativity in the nitrogenase Fe protein electron delivery cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5783-E5791.	7.1	42
4	Light-driven carbon dioxide reduction to methane by nitrogenase in a photosynthetic bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10163-10167.	7.1	74
5	Evidence That the P _i Release Event Is the Rate-Limiting Step in the Nitrogenase Catalytic Cycle. <i>Biochemistry</i> , 2016, 55, 3625-3635.	2.5	95
6	Fe Protein-Independent Substrate Reduction by Nitrogenase MoFe Protein Variants. <i>Biochemistry</i> , 2015, 54, 2456-2462.	2.5	38
7	Nitrite and Hydroxylamine as Nitrogenase Substrates: Mechanistic Implications for the Pathway of N ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2014, 136, 12776-12783.	13.7	33
8	Electron transfer precedes ATP hydrolysis during nitrogenase catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16414-16419.	7.1	94