

Vivek Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

803
citations

1162889
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1199470
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all docs

12
docs citations

12
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Docking and molecular simulations reveal a quinone-binding site on the surface of respiratory complex I. FEBS Letters, 2022, 596, 1133-1146.	1.3	4
2	Hydrogen bonding rearrangement by a mitochondrial disease mutation in cytochrome <i>b_c1</i> perturbs heme <i>b_H</i> redox potential and spin state. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	4
3	High-resolution structure and dynamics of mitochondrial complex I—Insights into the proton pumping mechanism. Science Advances, 2021, 7, eabj3221.	4.7	65
4	Essential role of accessory subunit LYRM6 in the mechanism of mitochondrial complex I. Nature Communications, 2020, 11, 6008.	5.8	25
5	An Unusual Amino Acid Substitution Within Hummingbird Cytochrome <i>c</i> Oxidase Alters a Key Proton-Conducting Channel. G3: Genes, Genomes, Genetics, 2020, 10, 2477-2485.	0.8	4
6	Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations. Science, 2020, 367, 643-652.	6.0	123
7	High-resolution cryo-EM structures of respiratory complex I: Mechanism, assembly, and disease. Science Advances, 2019, 5, eaax9484.	4.7	109
8	Oxygen Activation and Energy Conservation by Cytochrome <i>c</i> Oxidase. Chemical Reviews, 2018, 118, 2469-2490.	23.0	294
9	Redox-coupled quinone dynamics in the respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8413-E8420.	3.3	84
10	Atomistic Molecular Dynamics Simulations of Mitochondrial DNA Polymerase γ : Novel Mechanisms of Function and Pathogenesis. Biochemistry, 2017, 56, 1227-1238.	1.2	3
11	Role of water and protein dynamics in proton pumping by respiratory complex I. Scientific Reports, 2017, 7, 7747.	1.6	53
12	Insights into functions of the H channel of cytochrome <i>c</i> oxidase from atomistic molecular dynamics simulations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10339-E10348.	3.3	35