

Atsuhiko Shimada

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

580
citations

1307594
7
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction Mechanism of Cytochrome <i>c</i> Oxidase. <i>Chemical Reviews</i> , 2015, 115, 1936-1989.	47.7	377
2	The Mg ²⁺ -containing Water Cluster of Mammalian Cytochrome <i>c</i> Oxidase Collects Four Pumping Proton Equivalents in Each Catalytic Cycle. <i>Journal of Biological Chemistry</i> , 2016, 291, 23882-23894.	3.4	75
3	A nanosecond time-resolved XFEL analysis of structural changes associated with CO release from cytochrome <i>c</i> oxidase. <i>Science Advances</i> , 2017, 3, e1603042.	10.3	68
4	X-ray structures of catalytic intermediates of cytochrome <i>c</i> oxidase provide insights into its O ₂ activation and unidirectional proton-pump mechanisms. <i>Journal of Biological Chemistry</i> , 2020, 295, 5818-5833.	3.4	21
5	Critical roles of the Cu _B site in efficient proton pumping as revealed by crystal structures of mammalian cytochrome <i>c</i> oxidase catalytic intermediates. <i>Journal of Biological Chemistry</i> , 2021, 297, 100967.	3.4	14
6	X-ray structural analyses of azide-bound cytochrome <i>c</i> oxidases reveal that the H-pathway is critically important for the proton-pumping activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 14868-14879.	3.4	13
7	Boosting Auto-Induction of Recombinant Proteins in <i>Escherichia coli</i> with Glucose and Lactose Additives. <i>Protein and Peptide Letters</i> , 2021, 28, 1180-1190.	0.9	9
8	Roles of Mn-catalase and a possible heme peroxidase homologue in protection from oxidative stress in <i>Thermus thermophilus</i> . <i>Extremophiles</i> , 2015, 19, 775-785.	2.3	3