

# Atsuhiko Shimada

## List of Publications by Year in descending order

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8  
papers

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citations

1307594

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1588992

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docs citations

8  
times ranked

911  
citing authors

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