

Michihiro Suga

List of Publications by Year in descending order

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27
papers

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citations

394421

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552781

26
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28
all docs

28
docs citations

28
times ranked

4440
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, Electron Transfer Chain of Photosystem II and the Mechanism of Water Splitting. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 3-38.	1.0	5
2	Capturing structural changes of the S ₁ to S ₂ transition of photosystem II using time-resolved serial femtosecond crystallography. <i>IUCr</i> , 2021, 8, 431-443.	2.2	24
3	Structural basis for high selectivity of a rice silicon channel Lsi1. <i>Nature Communications</i> , 2021, 12, 6236.	12.8	34
4	Time-resolved studies of metalloproteins using X-ray free electron laser radiation at SACLA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129466.	2.4	23
5	Structural variations of photosystem I-antenna supercomplex in response to adaptations to different light environments. <i>Current Opinion in Structural Biology</i> , 2020, 63, 10-17.	5.7	39
6	Current and Future Demands in Structural Biology. <i>Nihon Kessho Gakkaishi</i> , 2020, 62, 238-240.	0.0	0
7	An oxyl/oxo mechanism for oxygen-oxygen coupling in PSII revealed by an x-ray free-electron laser. <i>Science</i> , 2019, 366, 334-338.	12.6	248
8	Structure of the green algal photosystem I supercomplex with a decameric light-harvesting complex I. <i>Nature Plants</i> , 2019, 5, 626-636.	9.3	131
9	Elucidation of the entire Kok cycle for photosynthetic water oxidation by the large-scale quantum mechanics/molecular mechanics calculations: Comparison with the experimental results by the recent serial femtosecond crystallography. <i>Chemical Physics Letters</i> , 2019, 730, 416-425.	2.6	8
10	Structural basis for blue-green light harvesting and energy dissipation in diatoms. <i>Science</i> , 2019, 363, .	12.6	166
11	Structure of photosynthetic LH1-RC supercomplex at 1.9 Å resolution. <i>Nature</i> , 2018, 556, 209-213.	27.8	126
12	Fourier Transform Infrared Analysis of the S-State Cycle of Water Oxidation in the Microcrystals of Photosystem II. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2121-2126.	4.6	19
13	Novel features of LH1-RC from <i>Thermochromatium tepidum</i> revealed from its atomic resolution structure. <i>FEBS Journal</i> , 2018, 285, 4359-4366.	4.7	11
14	Thylakoid membrane lipid sulfoquinovosyl-diacylglycerol (SQDG) is required for full functioning of photosystem II in <i>Thermosynechococcus elongatus</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 14786-14797.	3.4	31
15	Light-induced structural changes and the site of O=O bond formation in PSII caught by XFEL. <i>Nature</i> , 2017, 543, 131-135.	27.8	515
16	Crystal structure and redox properties of a novel cyanobacterial heme protein with a His/Cys heme axial ligation and a Per-Arnt-Sim (PAS)-like domain. <i>Journal of Biological Chemistry</i> , 2017, 292, 9599-9612.	3.4	14
17	Large-scale QM/MM calculations of the CaMn ₄ O ₅ cluster in the S ₃ state of the oxygen evolving complex of photosystem II. Comparison between water-inserted and no water-inserted structures. <i>Faraday Discussions</i> , 2017, 198, 83-106.	3.2	31
18	Structure and energy transfer pathways of the plant photosystem I-LHCI supercomplex. <i>Current Opinion in Structural Biology</i> , 2016, 39, 46-53.	5.7	39

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19	Structural basis for energy transfer pathways in the plant PSI-LHCI supercomplex. <i>Science</i> , 2015, 348, 989-995.	12.6	386
20	Theoretical studies of the damage-free S1 structure of the CaMn4O5 cluster in oxygen-evolving complex of photosystem II. <i>Chemical Physics Letters</i> , 2015, 623, 1-7.	2.6	29
21	On the guiding principles for lucid understanding of the damage-free S1 structure of the CaMn4O5 cluster in the oxygen evolving complex of photosystem II. <i>Chemical Physics Letters</i> , 2015, 627, 44-52.	2.6	26
22	Native structure of photosystem II at 1.95 Å resolution viewed by femtosecond X-ray pulses. <i>Nature</i> , 2015, 517, 99-103.	27.8	1,050
23	Crystal structure at 1.5 Å resolution of the PsbV2 cytochrome from the cyanobacterium <i>Thermosynechococcus elongatus</i> . <i>FEBS Letters</i> , 2013, 587, 3267-3272.	2.8	11
24	Distinguishing between Cl ⁺ and O ₂ ²⁺ as the bridging element between Fe ³⁺ and Cu ²⁺ in resting-oxidized cytochrome <i>c</i> oxidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 742-744.	2.5	12
25	Structural insight into maintenance methylation by mouse DNA methyltransferase 1 (Dnmt1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9055-9059.	7.1	172
26	A description of the structural determination procedures of a gap junction channel at 3.5 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 758-766.	2.5	23
27	Structure of the connexin 26 gap junction channel at 3.5 Å resolution. <i>Nature</i> , 2009, 458, 597-602.	27.8	642