

# Takashi Saitoh

## List of Publications by Year in descending order

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22  
papers

642  
citations

687363

13  
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794594

19  
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22  
docs citations

22  
times ranked

787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tom20 recognizes mitochondrial presequences through dynamic equilibrium among multiple bound states. <i>EMBO Journal</i> , 2007, 26, 4777-4787.	7.8	142
2	Spin Distribution in Low-Spin (meso-Tetraalkylporphyrinato)iron(III) Complexes with (dxz,dyz) <sup>4</sup> (dxy) <sup>1</sup> Configuration. Studies by <sup>1</sup> H NMR, <sup>13</sup> C NMR, and EPR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2000, 122, 4068-4076.	13.7	85
3	Factors Affecting the Electronic Ground State of Low-Spin Iron(III) Porphyrin Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 3423-3434.	4.0	65
4	Different Inhibitory Effects in Rat and Human Carboxylesterases. <i>Drug Metabolism and Disposition</i> , 2009, 37, 956-961.	3.3	46
5	Electronic Structures of Five-Coordinate Iron(III) Porphyrin Complexes with Highly Ruffled Porphyrin Ring. <i>Inorganic Chemistry</i> , 2004, 43, 5034-5043.	4.0	44
6	NMR Study of the Electron Transfer Complex of Plant Ferredoxin and Sulfite Reductase. <i>Journal of Biological Chemistry</i> , 2006, 281, 10482-10488.	3.4	42
7	A new structural insight into differential interaction of cyanobacterial and plant ferredoxins with nitrite reductase as revealed by NMR and X-ray crystallographic studies. <i>Journal of Biochemistry</i> , 2012, 151, 483-492.	1.7	38
8	Structural insights into modulation and selectivity of transsynaptic neurexin <sup>1</sup> -LRRTM interaction. <i>Nature Communications</i> , 2018, 9, 3964.	12.8	29
9	Crystallographic and NMR Evidence for Flexibility in Oligosaccharyltransferases and Its Catalytic Significance. <i>Structure</i> , 2013, 21, 32-41.	3.3	28
10	Allosteric kinetics of human carboxylesterase 1: Species differences and interindividual variability. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 5434-5445.	3.3	27
11	Molecular Interaction of Ferredoxin and Ferredoxin-NADP <sup>+</sup> Reductase from Human Malaria Parasite. <i>Journal of Biochemistry</i> , 2007, 142, 715-720.	1.7	20
12	Crystallographic Snapshots of Tom20 <sup>1</sup> -Mitochondrial Presequence Interactions with Disulfide-Stabilized Peptides. <i>Biochemistry</i> , 2011, 50, 5487-5496.	2.5	19
13	Barriers to rotation of axially coordinated imidazole ligands in nonplanar meso-tetraalkylporphyrinato-cobalt(III) complexes. <i>Tetrahedron</i> , 1997, 53, 12487-12496.	1.9	14
14	Energetics of the Presequence-Binding Poses in Mitochondrial Protein Import Through Tom20. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2864-2871.	2.6	11
15	Plasmodium-specific basic amino acid residues important for the interaction with ferredoxin on the surface of ferredoxin-NADP <sup>+</sup> reductase. <i>Journal of Biochemistry</i> , 2018, 164, 231-237.	1.7	11
16	Correlation between the g <sub>Tensors</sub> and the Nonplanarity of Porphyrin Rings in <i>Desulfovibrio vulgaris</i> Miyazaki F Cytochrome c <sub>3</sub> , Studied by Single Crystal EPR. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 357-363.	3.2	8
17	C-terminal aromatic residue of Plasmodium ferredoxin important for the interaction with ferredoxin: NADP(H) oxidoreductase: possible involvement for artemisinin resistance of human malaria parasites. <i>Journal of Biochemistry</i> , 2020, 168, 427-434.	1.7	6
18	Structure Analysis of Highly S <sub>4</sub> -Ruffled Bis(2-methylimidazole)(meso-tetraethylporphyrinato)iron(III) Chloride. <i>Chemistry Letters</i> , 2002, 31, 432-433.	1.3	5

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19	Nrp1 is Activated by Konjac Ceramide Binding-Induced Structural Rigidification of the $\alpha$ 1a2 Domain. Cells, 2020, 9, 517.	4.1	2
20	2P123 Molecular dynamics simulation of outer mitochondrial membrane protein Tom20-presequence complex(The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S103-S104.	0.1	0
21	3G1446 Molecular dynamics simulation of outer mitochondrial membrane protein Tom20-presequence complex(3G Protein: Structure 4,The 49th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S131-S132.	0.1	0
22	Presequences of Mitochondrial Proteins are Recognized through Dynamic Equilibrium Mechanism. Seibutsu Butsuri, 2009, 49, 242-243.	0.1	0