

Tetsuji Okada

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

10,315
citations

304743

22
h-index

395702

33
g-index

94
all docs

94
docs citations

94
times ranked

6306
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of variability in high-resolution protein structures by global distance scoring. <i>Heliyon</i> , 2018, 4, e00510.	3.2	5
2	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. <i>F1000Research</i> , 2016, 5, 165.	1.6	4
3	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. <i>F1000Research</i> , 2016, 5, 165.	1.6	3
4	Structural conservation among the rhodopsin-like and other G protein-coupled receptors. <i>Scientific Reports</i> , 2015, 5, 9176.	3.3	14
5	RHOMutations (p.W126L and p.A346P) in Two Japanese Families with Autosomal Dominant Retinitis Pigmentosa. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-10.	1.3	16
6	Common and distinct mechanisms of activation of rhodopsin and other G protein-coupled receptors. <i>Scientific Reports</i> , 2013, 3, 1844.	3.3	5
7	Structure of the human M2 muscarinic acetylcholine receptor bound to an antagonist. <i>Nature</i> , 2012, 482, 547-551.	27.8	706
8	Comparative Analysis of the Heptahelical Transmembrane Bundles of G Protein-Coupled Receptors. <i>PLoS ONE</i> , 2012, 7, e35802.	2.5	8
9	Binding of More Than One Retinoid to Visual Opsins. <i>Biophysical Journal</i> , 2010, 99, 2366-2373.	0.5	32
10	Protein Assistance in the Photoisomerization of Rhodopsin and 9-cis-Rhodopsin Insights from Experiment and Theory. <i>Journal of the American Chemical Society</i> , 2007, 129, 1052-1054.	13.7	34
11	Photoisomerization Mechanism of Rhodopsin and 9-cis-Rhodopsin Revealed by X-ray Crystallography. <i>Biophysical Journal</i> , 2007, 92, L106-L108.	0.5	54
12	X-Ray Crystallographic Analysis of 9-cis-Rhodopsin, a Model Analogue Visual Pigment. <i>Photochemistry and Photobiology</i> , 2007, 83, 232-235.	2.5	23
13	Quantum Mechanical Studies on the Crystallographic Model of Bathorhodopsin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4274-4277.	13.8	52
14	Crystallographic Analysis of Primary Visual Photochemistry. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4270-4273.	13.8	214
15	Local peptide movement in the photoreaction intermediate of rhodopsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12729-12734.	7.1	200
16	X-ray crystallography of rhodopsin. <i>Phase Transitions</i> , 2004, 77, 21-29.	1.3	2
17	The Retinal Conformation and its Environment in Rhodopsin in Light of a New 2.2Å... Crystal Structure. <i>Journal of Molecular Biology</i> , 2004, 342, 571-583.	4.2	1,041
18	Structural Genomics of Membrane Proteins. <i>Accounts of Chemical Research</i> , 2003, 36, 199-206.	15.6	23

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19	Functional role of internal water molecules in rhodopsin revealed by x-ray crystallography. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5982-5987.	7.1	688
20	Advances in Determination of a High-Resolution Three-Dimensional Structure of Rhodopsin, a Model of G-Protein-Coupled Receptors (GPCRs). Biochemistry, 2001, 40, 7761-7772.	2.5	627
21	Activation of rhodopsin: new insights from structural and biochemical studies. Trends in Biochemical Sciences, 2001, 26, 318-324.	7.5	403
22	Crystallization and Structural Analysis of Bovine Rhodopsin.. Seibutsu Butsuri, 2001, 41, 142-146.	0.1	0
23	X-Ray Diffraction Analysis of Three-Dimensional Crystals of Bovine Rhodopsin Obtained from Mixed Micelles. Journal of Structural Biology, 2000, 130, 73-80.	2.8	176
24	Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. Science, 2000, 289, 739-745.	12.6	5,486
25	Specific lipid-protein interactions in a novel honeycomb lattice structure of bacteriorhodopsin. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1251-1256.	2.5	56
26	Highly Selective Separation of Rhodopsin from Bovine Rod Outer Segment Membranes Using Combination of Divalent Cation and Alkyl(thio)glucoside. Photochemistry and Photobiology, 1998, 67, 495-499.	2.5	54
27	Rhodopsin Emission in Real Time: A New Aspect of the Primary Event in Vision. Journal of the American Chemical Society, 1998, 120, 9706-9707.	13.7	67
28	A novel three-dimensional crystal of bacteriorhodopsin obtained by successive fusion of the vesicular assemblies 1 Edited by K. Nagai. Journal of Molecular Biology, 1998, 283, 463-474.	4.2	112
29	Presence of Two Rhodopsin Intermediates Responsible for Transducin Activation. Biochemistry, 1997, 36, 14173-14180.	2.5	55
30	Circular Dichroism of Metaiodopsin II and Its Binding to Transducin: A Comparative Study between Meta II Intermediates of Iodopsin and Rhodopsin. Biochemistry, 1994, 33, 4940-4946.	2.5	54
31	Nanosecond laser photolysis of iodopsin, a chicken red-sensitive cone visual pigment. Biochemistry, 1993, 32, 10832-10838.	2.5	38
32	Differences in the photobleaching process between 7-cis- and 11-cis-rhodopsins: a unique interaction change between the chromophore and the protein during the lumi-meta I transition. Biochemistry, 1991, 30, 5918-5926.	2.5	22
33	Spectroscopic study of the batho-to-lumi transition during the photobleaching of rhodopsin using ring-modified retinal analogs. Biochemistry, 1991, 30, 4796-4802.	2.5	39