Tetsuji Okada

List of Publications by Year
in descending order

33	10,315	304743 22	395702 33
papers	citations	h-index	g-index

94	94	94	6306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. Science, 2000, 289, 739-745.	12.6	5,486
2	The Retinal Conformation and its Environment in Rhodopsin in Light of a New 2.2Ã... Crystal Structure. Journal of Molecular Biology, 2004, 342, 571-583.	4.2	1,041
3	Structure of the human M2 muscarinic acetylcholine receptor bound to an antagonist. Nature, 2012, 482, 547-551.	27.8	706
4	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
5	Advances in Determination of a High-Resolution Three-Dimensional Structure of Rhodopsin, a Model of G-Protein-Coupled Receptors (GPCRs)â€,â€¡. Biochemistry, 2001, 40, 7761-7772.	2.5	627
6	Activation of rhodopsin: new insights from structural and biochemical studies. Trends in Biochemical Sciences, 2001, 26, 318-324.	7.5	403
7	Crystallographic Analysis of Primary Visual Photochemistry. Angewandte Chemie - International Edition, 2006, 45, 4270-4273.	13.8	214
8	Local peptide movement in the photoreaction intermediate of rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12729-12734.	7.1	200
9	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
10	A novel three-dimensional crystal of bacteriorhodopsin obtained by successive fusion of the vesicular assemblies 1 1Edited by K. Nagai. Journal of Molecular Biology, 1998, 283, 463-474.	4.2	112
11	Rhodopsin Emission in Real Time:Â A New Aspect of the Primary Event in Vision. Journal of the American Chemical Society, 1998, 120, 9706-9707.	13.7	67
12	Specific lipidâ€“protein interactions in a novel honeycomb lattice structure of bacteriorhodopsin. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1251-1256.	2.5	56
13	Presence of Two Rhodopsin Intermediates Responsible for Transducin Activationâ€. Biochemistry, 1997, 36, 14173-14180.	2.5	55
14	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
15	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
16	Photoisomerization Mechanism of Rhodopsin and 9-cis-Rhodopsin Revealed by X-ray Crystallography. Biophysical Journal, 2007, 92, L106-L108.	0.5	54
17	Quantum Mechanical Studies on the Crystallographic Model of Bathorhodopsin. Angewandte Chemie - International Edition, 2006, 45, 4274-4277.	13.8	52
18	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

#	Article	IF	Citations
19	Nanosecond laser photolysis of iodopsin, a chicken red-sensitive cone visual pigment. Biochemistry, 1993, 32, 10832-10838.	2.5	38
20	Protein Assistance in the Photoisomerization of Rhodopsin and 9-cis-RhodopsinInsights from Experiment and Theory. Journal of the American Chemical Society, 2007, 129, 1052-1054.	13.7	34
21	Binding of More Than One Retinoid to Visual Opsins. Biophysical Journal, 2010, 99, 2366-2373.	0.5	32
22	Structural Genomics of Membrane Proteins. Accounts of Chemical Research, 2003, 36, 199-206.	15.6	23
23	X-Ray Crystallographic Analysis of 9-cis-Rhodopsin, a Model Analogue Visual Pigmentâ€. Photochemistry and Photobiology, 2007, 83, 232-235.	2.5	23
24	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
25	RHOMutations (p.W126L and p.A346P) in Two Japanese Families with Autosomal Dominant Retinitis Pigmentosa. Journal of Ophthalmology, 2014, 2014, 1-10.	1.3	16
26	Structural conservation among the rhodopsin-like and other G protein-coupled receptors. Scientific Reports, 2015, 5, 9176.	3.3	14
27	Comparative Analysis of the Heptahelical Transmembrane Bundles of G Protein-Coupled Receptors. PLoS ONE, 2012, 7, e35802.	2.5	8
28	Common and distinct mechanisms of activation of rhodopsin and other G protein-coupled receptors. Scientific Reports, 2013, 3, 1844.	3.3	5
29	Evaluation of variability in high-resolution protein structures by global distance scoring. Heliyon, 2018, 4, e00510.	3.2	5
30	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. F1000Research, 2016, 5, 165.	1.6	4
31	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. F1000Research, 2016, 5, 165.	1.6	3
32	X-ray crystallography of rhodopsin. Phase Transitions, 2004, 77, 21-29.	1.3	2
33	Crystallization and Structural Analysis of Bovine Rhodopsin.. Seibutsu Butsuri, 2001, 41, 142-146.	0.1	0