Tetsuji Okada

List of Publications by Year
in descending order

33	10,315	346980 22	445137 33
papers	citations	h-index	g-index

94	94	94	7149
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of variability in high-resolution protein structures by global distance scoring. Heliyon, 2018, 4, e00510.	1.4	5
2	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. F1000Research, 2016, 5, 165.	0.8	4
3	Sequence and intramolecular distance scoring analyses of microbial rhodopsins. F1000Research, 2016, 5, 165.	0.8	3
4	Structural conservation among the rhodopsin-like and other G protein-coupled receptors. Scientific Reports, 2015, 5, 9176.	1.6	14
5	RHOMutations (p.W126L and p.A346P) in Two Japanese Families with Autosomal Dominant Retinitis Pigmentosa. Journal of Ophthalmology, 2014, 2014, 1-10.	0.6	16
6	Common and distinct mechanisms of activation of rhodopsin and other G protein-coupled receptors. Scientific Reports, 2013, 3, 1844.	1.6	5
7	Structure of the human M2 muscarinic acetylcholine receptor bound to an antagonist. Nature, 2012, 482, 547-551.	13.7	706
8	Comparative Analysis of the Heptahelical Transmembrane Bundles of G Protein-Coupled Receptors. PLoS ONE, 2012, 7, e35802.	1.1	8
9	Binding of More Than One Retinoid to Visual Opsins. Biophysical Journal, 2010, 99, 2366-2373.	0.2	32
10	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.	6.6	34
11	Photoisomerization Mechanism of Rhodopsin and 9-cis-Rhodopsin Revealed by X-ray Crystallography. Biophysical Journal, 2007, 92, L106-L108.	0.2	54
12	X-Ray Crystallographic Analysis of 9-cis-Rhodopsin, a Model Analogue Visual Pigmentâ€. Photochemistry and Photobiology, 2007, 83, 232-235.	1.3	23
13	Quantum Mechanical Studies on the Crystallographic Model of Bathorhodopsin. Angewandte Chemie - International Edition, 2006, 45, 4274-4277.	7.2	52
14	Crystallographic Analysis of Primary Visual Photochemistry. Angewandte Chemie - International Edition, 2006, 45, 4270-4273.	7.2	214
15	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.	3.3	200
16	X-ray crystallography of rhodopsin. Phase Transitions, 2004, 77, 21-29.	0.6	2
17	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.	2.0	1,041
18	Structural Genomics of Membrane Proteins. Accounts of Chemical Research, 2003, 36, 199-206.	7.6	23

#	Article	IF	Citations
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.	3.3	688
20	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.	1.2	627
21	Activation of rhodopsin: new insights from structural and biochemical studies. Trends in Biochemical Sciences, 2001, 26, 318-324.	3.7	403
22	Crystallization and Structural Analysis of Bovine Rhodopsin.. Seibutsu Butsuri, 2001, 41, 142-146.	0.0	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.	1.3	176
24	Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. Science, 2000, 289, 739-745.	6.0	5,486
25	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
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.	1.3	54
27	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.	6.6	67
28	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.	2.0	112
29	Presence of Two Rhodopsin Intermediates Responsible for Transducin Activationâ€. Biochemistry, 1997, 36, 14173-14180.	1.2	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.	1.2	54
31	Nanosecond laser photolysis of iodopsin, a chicken red-sensitive cone visual pigment. Biochemistry, 1993, 32, 10832-10838.	1.2	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.	1.2	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.	1.2	39