Masahiro Kono

List of Publications by Year
in descending order

46 papers	1,647 citations	257450 24 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	1308 citing authors

#	Article	IF	Citations
1	Photooxidation mediated by 11-cis and all-trans retinal in single isolated mouse rod photoreceptors. Photochemical and Photobiological Sciences, 2020, 19, 1300-1307.	2.9	2
2	Apo-Opsin and Its Dark Constitutive Activity across Retinal Cone Subtypes. Current Biology, 2020, 30, 4921-4931.e5.	3.9	8
3	Biochemical Measurements of Free Opsin in Macular Degeneration Eyes: Examining the 11- Retinal Deficiency Hypothesis of Delayed Dark Adaptation (An American Ophthalmological Society Thesis). Transactions of the American Ophthalmological Society, 2017, 115, T1.	1.4	1
4	Cone Health and Retinoids. Progress in Molecular Biology and Translational Science, 2015, 134, 465-476.	1.7	2
5	A2E and Lipofuscin. Progress in Molecular Biology and Translational Science, 2015, 134, 449-463.	1.7	36
6	Photoactivation-Induced Instability of Rhodopsin Mutants T4K and T17M in Rod Outer Segments Underlies Retinal Degeneration in<i>X. laevis</i>Transgenic Models of Retinitis Pigmentosa. Journal of Neuroscience, 2014, 34, 13336-13348.	3.6	30
7	Coexpression of three opsins in cone photoreceptors of the salamander <i>Ambystoma tigrinum</i>. Journal of Comparative Neurology, 2014, 522, 2249-2265.	1.6	31
8	Ligand Control of G Protein-Coupled Receptor Activity: New Insights. Chemistry and Biology, 2014, 21, 309-310.	6.0	2
9	New insights into retinoid metabolism and cycling within the retina. Progress in Retinal and Eye Research, 2013, 32, 48-63.	15.5	108
10	Explant cultures of Rpe65-/- mouse retina: a model to investigate cone opsin trafficking. Molecular Vision, 2013, 19, 1149-57.	1.1	3
11	Probing Human Red Cone Opsin Activity with Retinal Analogues. Journal of Natural Products, 2011, 74, 391-394.	3.0	9
12	Light Prevents Exogenous 11-cisRetinal from Maintaining Cone Photoreceptors in Chromophore-Deficient Mice. , 2011, 52, 2412.		7
13	Assays for Inverse Agonists in the Visual System. Methods in Enzymology, 2010, 485, 213-224.	1.0	1
14	In Vitro Assays of Rod and Cone Opsin Activity: Retinoid Analogs as Agonists and Inverse Agonists. Methods in Molecular Biology, 2010, 652, 85-94.	0.9	6
15	Do vertebrate rhodopsins contain an allosteric binding site(s) for retinoids?. FASEB Journal, 2010, 24, lb590.	0.5	0
16	The Action of 11-cis-Retinol on Cone Opsins and Intact Cone Photoreceptors. Journal of Biological Chemistry, 2009, 284, 16492-16500.	3.4	35
17	Modulation of Molecular Interactions and Function by Rhodopsin Palmitylation. Biochemistry, 2009, 48, 4294-4304.	2.5	31
18	11-cis Retinol as a Substrate for Cone Dark Adaptation. Biophysical Journal, 2009, 96, 524a.	0.5	0

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19	11-<i>cis</i>- and All-<i>trans</i>-Retinols Can Activate Rod Opsin: Rational Design of the Visual Cycle. Biochemistry, 2008, 47, 7567-7571.	2.5	32
20	Engineering a â€œSteric Doorstopâ€•in Rhodopsin:â€‰ Converting an Inverse Agonist to an Agonist. Biochemistry, 2007, 46, 12248-12252.	2.5	2
21	Constitutive activity of a UV cone opsin. FEBS Letters, 2006, 580, 229-232.	2.8	17
22	A Tribute to Thomas Ebrey. Photochemistry and Photobiology, 2006, 82, 1391.	2.5	0
23	A Tribute to Thomas Ebrey. Photochemistry and Photobiology, 2006, 82, 1391-1393.	2.5	0
24	Rhodopsin Deactivation is Affected by Mutations of Tyr191. Photochemistry and Photobiology, 2006, 82, 1442-1446.	2.5	3
25	Palmitylation of cone opsins. Vision Research, 2006, 46, 4493-4501.	1.4	15
26	Rhodopsin Deactivation is Affected by Mutations of Tyr191â€. Photochemistry and Photobiology, 2006, 82, 1442.	2.5	2
27	A Dark and Constitutively Active Mutant of the Tiger Salamander UV Pigment. Biochemistry, 2005, 44, 799-804.	2.5	11
28	Crystal Structure of Cone Arrestin at 2.3Ã…: Evolution of Receptor Specificity. Journal of Molecular Biology, 2005, 354, 1069-1080.	4.2	162
29	Structural origins of constitutive activation in rhodopsin: Role of the K296/E113 salt bridge. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12508-12513.	7.1	109
30	Role of the 9-Methyl Group of Retinal in Cone Visual Pigmentsâ€. Biochemistry, 2004, 43, 5532-5538.	2.5	41
31	A Visual Pigment Expressed in Both Rod and Cone Photoreceptors. Neuron, 2001, 32, 451-461.	8.1	103
32	Mass Spectrometric Analysis of Integral Membrane Proteins at the Subnanomolar Level:Â Application to Recombinant Photopigments. Analytical Chemistry, 2001, 73, 4774-4779.	6.5	27
33	Salamander UV cone pigment: Sequence, expression, and spectral properties. Visual Neuroscience, 2001, 18, 393-399.	1.0	37
34	State-Dependent Disulfide Cross-Linking in Rhodopsinâ€. Biochemistry, 1999, 38, 12028-12032.	2.5	51
35	Tertiary Interactions between the Fifth and Sixth Transmembrane Segments of Rhodopsin. Biochemistry, 1999, 38, 6597-6603.	2.5	38
36	Disulfide Bond Exchange in Rhodopsinâ€. Biochemistry, 1998, 37, 1302-1305.	2.5	36

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37	A General Method for Mapping Tertiary Contacts between Amino Acid Residues in Membrane-Embedded Proteins. Biochemistry, 1995, 34, 14963-14969.	2.5	127
38	Effects of Substitution of Tyrosine 57 with Asparagine and Phenylalanine on the Properties of Bacteriorhodopsin. Biochemistry, 1995, 34, 4828-4838.	2.5	45
39	pH DEPENDENCE OF THE ABSORPTION SPECTRA AND PHOTOCHEMICAL TRANSFORMATIONS OF THE ARCHAERHODOPSINS. Photochemistry and Photobiology, 1994, 60, 69-75.	2.5	29
40	pH dependence of light-induced proton release by bacteriorhodopsin. FEBS Letters, 1993, 331, 31-34.	2.8	58
41	Effect of the arginine-82 to alanine mutation in bacteriorhodopsin on dark adaptation, proton release, and the photochemical cycle. Biochemistry, 1993, 32, 10331-10343.	2.5	177
42	Thermodynamics of thermal and athermal denaturation of .gamma.-crystallins: changes in conformational stability upon glutathione reaction. Biochemistry, 1990, 29, 464-470.	2.5	61
43	STRUCTURE AND STABILITY OF Î³-CRYSTALLINS-IV. AGGREGATION AND STRUCTURAL DESTABILIZATION IN PHOTOSENSITIZED REACTIONS. Photochemistry and Photobiology, 1988, 47, 583-591.	2.5	43
44	STRUCTURE AND STABILITY OF Î³-CRYSTALLINS-V. COVALENT AND NONCOVALENT PROTEIN-PROTEIN INTERACTIONS IN PHOTOSENSITIZED REACTIONS. Photochemistry and Photobiology, 1988, 47, 593-597.	2.5	13
45	Heat-induced changes in the conformation of Î±- and Î²-crystalline: Unique thermal stability of Î±-crystallin. FEBS Letters, 1988, 236, 109-114.	2.8	92
46	N-Methyl-Nâ€²-nitro-N-nitrosoguanidine and benzo[a]pyrene-7,8-diol-9,10-epoxide inhibit glucocorticoid-inducible polyoma virus middle-T gene expression in rat mT-1 cells by a post-transcriptional mechanism. Carcinogenesis, 1987, 8, 1159-1163.	2.8	4