Yoshikazu Imanishi

List of Publications by Year
in descending order

56 papers	3,646 citations	147801 31 h-index	168389 53 g-index
58 all docs	58 docs citations	58 times ranked	3305 citing authors

#	Article	IF	Citations
1	Aster proteins mediate carotenoid transport in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200068119.	7.1	15
2	A smartphone based method for mouse fundus imaging. Experimental Eye Research, 2021, 206, 108530.	2.6	1
3	RPE Cells Engulf Microvesicles Secreted by Degenerating Rod Photoreceptors. ENeuro, 2020, 7, ENEURO.0507-19.2020.	1.9	8
4	Protein Sorting in Healthy and Diseased Photoreceptors. Annual Review of Vision Science, 2019, 5, 73-98.	4.4	14
5	Disrupted Plasma Membrane Protein Homeostasis in a Xenopus Laevis Model of Retinitis Pigmentosa. Journal of Neuroscience, 2019, 39, 5581-5593.	3.6	10
6	MÃ¼ller glia phagocytose dead photoreceptor cells in a mouse model of retinal degenerative disease. FASEB Journal, 2019, 33, 3680-3692.	0.5	51
7	Impairment of Vision in a Mouse Model of Usher Syndrome Type III. , 2016, 57, 866.		13
8	Spatiotemporal Analysis of Protein Transport and Membrane Morphogenesis in Vertebrate Photoreceptors. Seibutsu Butsuri, 2016, 56, 018-022.	0.1	0
9	A small molecule mitigates hearing loss in a mouse model of Usher syndrome III. Nature Chemical Biology, 2016, 12, 444-451.	8.0	43
10	Retinol dehydrogenase 8 and ATPâ€binding cassette transporter 4 modulate dark adaptation of Mâ€cones in mammalian retina. Journal of Physiology, 2015, 593, 4923-4941.	2.9	12
11	Rhodopsin Trafficking and Mistrafficking. Progress in Molecular Biology and Translational Science, 2015, 132, 39-71.	1.7	69
12	Applications of phototransformable fluorescent proteins for tracking the dynamics of cellular components. Photochemical and Photobiological Sciences, 2015, 14, 1787-1806.	2.9	27
13	Monitoring of Rhodopsin Trafficking and Mistrafficking in Live Photoreceptors. Methods in Molecular Biology, 2015, 1271, 293-307.	0.9	6
14	Organization of cGMP sensing structures on the rod photoreceptor outer segment plasma membrane. Channels, 2014, 8, 528-535.	2.8	18
15	Retrograde intraciliary trafficking of opsin during the maintenance of cone-shaped photoreceptor outer segments ofXenopus laevis. Journal of Comparative Neurology, 2014, 522, Spc1-Spc1.	1.6	0
16	Retrograde intraciliary trafficking of opsin during the maintenance of coneâ€shaped photoreceptor outer segments of <i>Xenopus laevis</i>. Journal of Comparative Neurology, 2014, 522, 3577-3589.	1.6	11
17	Submembrane Assembly and Renewal of Rod Photoreceptor cGMP-Gated Channel: Insight into the Actin-Dependent Process of Outer Segment Morphogenesis. Journal of Neuroscience, 2014, 34, 8164-8174.	3.6	31
18	An Unconventional Secretory Pathway Mediates the Cilia Targeting of Peripherin/rds. Journal of Neuroscience, 2014, 34, 992-1006.	3.6	66

#	Article	IF	Citations
19	Signals Governing the Trafficking and Mistrafficking of a Ciliary GPCR, Rhodopsin. Journal of Neuroscience, 2013, 33, 13621-13638.	3.6	56
20	The Mechanosensory Structure of the Hair Cell Requires Clarin-1, a Protein Encoded by Usher Syndrome III Causative Gene. Journal of Neuroscience, 2012, 32, 9485-9498.	3.6	52
21	Noninvasive multiphoton fluorescence microscopy resolves retinol and retinal condensation products in mouse eyes. Nature Medicine, 2010, 16, 1444-1449.	30.7	78
22	Proteomic Changes in the Photoreceptor Outer Segment upon Intense Light Exposure. Journal of Proteome Research, 2010, 9, 1173-1181.	3.7	21
23	Visualization of Retinoid Storage and Trafficking by Two-Photon Microscopy. Methods in Molecular Biology, 2010, 652, 247-261.	0.9	14
24	Clarin-1, Encoded by the Usher Syndrome III Causative Gene, Forms a Membranous Microdomain. Journal of Biological Chemistry, 2009, 284, 18980-18993.	3.4	51
25	Usher syndrome IIIA gene clarin-1 is essential for hair cell function and associated neural activation. Human Molecular Genetics, 2009, 18, 2748-2760.	2.9	74
26	RBP4 Disrupts Vitamin A Uptake Homeostasis in a STRA6-Deficient Animal Model for Matthew-Wood Syndrome. Cell Metabolism, 2008, 7, 258-268.	16.2	163
27	Retinyl Ester Homeostasis in the Adipose Differentiation-related Protein-deficient Retina. Journal of Biological Chemistry, 2008, 283, 25091-25102.	3.4	25
28	Topology and Membrane Association of Lecithin: Retinol Acyltransferase. Journal of Biological Chemistry, 2007, 282, 2081-2090.	3.4	53
29	Two-Photon Microscopy:â€‰ Shedding Light on the Chemistry of Vision. Biochemistry, 2007, 46, 9674-9684.	2.5	56
30	A Third Photoreceptor-Specific GRK Found in the Retina of Oryzias latipes (Japanese killifish). Zoological Science, 2007, 24, 87-93.	0.7	3
31	Aberrant Metabolites in Mouse Models of Congenital Blinding Diseases:Â Formation and Storage of Retinyl Estersâ€. Biochemistry, 2006, 45, 4210-4219.	2.5	35
32	Effects of Potent Inhibitors of the Retinoid Cycle on Visual Function and Photoreceptor Protection from Light Damage in Mice. Molecular Pharmacology, 2006, 70, 1220-1229.	2.3	82
33	Retinol Dehydrogenase (RDH12) Protects Photoreceptors from Light-induced Degeneration in Mice. Journal of Biological Chemistry, 2006, 281, 37697-37704.	3.4	98
34	Autosomal Recessive Retinitis Pigmentosa and E150K Mutation in the Opsin Gene. Journal of Biological Chemistry, 2006, 281, 22289-22298.	3.4	21
35	Pharmacological and rAAV Gene Therapy Rescue of Visual Functions in a Blind Mouse Model of Leber Congenital Amaurosis. PLoS Medicine, 2005, 2, e333.	8.4	120
36	Role of Photoreceptor-specific Retinol Dehydrogenase in the Retinoid Cycle in Vivo. Journal of Biological Chemistry, 2005, 280, 18822-18832.	3.4	139

#	Article	IF	Citations
37	Lecithin:Retinol Acyltransferase Is Responsible for Amidation of Retinylamine, a Potent Inhibitor of the Retinoid Cycle. Journal of Biological Chemistry, 2005, 280, 42263-42273.	3.4	56
38	Retinosomes. Journal of Cell Biology, 2004, 166, 447-453.	5.2	94
39	Lecithin-retinol Acyltransferase Is Essential for Accumulation of All-trans-Retinyl Esters in the Eye and in the Liver. Journal of Biological Chemistry, 2004, 279, 10422-10432.	3.4	321
40	Identification of All-trans-Retinol:All-trans-13,14-dihydroretinol Saturase. Journal of Biological Chemistry, 2004, 279, 50230-50242.	3.4	89
41	Noninvasive two-photon imaging reveals retinyl ester storage structures in the eye. Journal of Cell Biology, 2004, 164, 373-383.	5.2	192
42	Essential role of Ca2+-binding protein 4, a Cav1.4 channel regulator, in photoreceptor synaptic function. Nature Neuroscience, 2004, 7, 1079-1087.	14.8	272
43	Diversity of Guanylate Cyclase-Activating Proteins (GCAPs) in Teleost Fish: Characterization of Three Novel GCAPs (GCAP4, GCAP5, GCAP7) from Zebrafish (Danio rerio) and Prediction of Eight GCAPs (GCAP1-8) in Pufferfish (Fugu rubripes). Journal of Molecular Evolution, 2004, 59, 204-217.	1.8	98
44	Hippocalcin in the olfactory epithelium: a mediator of second messenger signaling. Biochemical and Biophysical Research Communications, 2004, 322, 1131-1139.	2.1	16
45	Rhodopsin phosphorylation: 30 years later. Progress in Retinal and Eye Research, 2003, 22, 417-434.	15.5	138
46	Retinoid cycle in the vertebrate retina: experimental approaches and mechanisms of isomerization. Vision Research, 2003, 43, 2959-2981.	1.4	63
47	Pharmacological Chaperone-mediated in Vivo Folding and Stabilization of the P23H-opsin Mutant Associated with Autosomal Dominant Retinitis Pigmentosa. Journal of Biological Chemistry, 2003, 278, 14442-14450.	3.4	183
48	Pharmacological chaperone-mediated in vivo folding and stabilization of the P23H-opsin mutant associated with autosomal dominant retinitis pigmentosa. Journal of Biological Chemistry, 2003, 278, 21314.	3.4	4
49	Dual-substrate Specificity Short Chain Retinol Dehydrogenases from the Vertebrate Retina. Journal of Biological Chemistry, 2002, 277, 45537-45546.	3.4	179
50	Calcium-Binding Proteins: Intracellular Sensors from the Calmodulin Superfamily. Biochemical and Biophysical Research Communications, 2002, 290, 615-623.	2.1	149
51	Characterization of retinal guanylate cyclase-activating protein 3 (GCAP3) from zebrafish to man. European Journal of Neuroscience, 2002, 15, 63-78.	2.6	95
52	Three Kinds of Guanylate Cyclase Expressed in Medaka Photoreceptor Cells in Both Retina and Pineal Organ. Biochemical and Biophysical Research Communications, 1999, 255, 216-220.	2.1	30
53	Two types of arrestins expressed in medaka rod photoreceptors. FEBS Letters, 1999, 462, 31-36.	2.8	13
54	Evolution of Visual Pigments and Related Molecules. Novartis Foundation Symposium, 1999, 224, 44-53.	1.1	3

#	Article	IF	Citations
55	A novel subtype of G-protein-coupled receptor kinase, GRK7, in teleost cone photoreceptors. FEBS Letters, 1998, 424, 159-164.	2.8	94
56	Arrestins expressed in killifish photoreceptor cells. FEBS Letters, 1997, 411, 12-18.	2.8	21