Wolfgang Baehr

List of Publications by Year
in descending order

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54 papers	2,396 citations	201385 27 h-index	223531 46 g-index
56 all docs	56 docs citations	56 times ranked	2119 citing authors

#	Article	IF	Citations
1	Gene Therapy in Opn1mw^{â^'/â^'}/Opn1sw^{â^'/â^'} Mice and Implications for Blue Cone Monochromacy Patients with Deletion Mutations. Human Gene Therapy, 2022, 33, 708-718.	1.4	6
2	Deletion of the phosphatase INPP5E in the murine retina impairs photoreceptor axoneme formation and prevents disc morphogenesis. Journal of Biological Chemistry, 2021, 296, 100529.	1.6	15
3	Effect of conditional deletion of cytoplasmic dynein heavy chain DYNC1H1 on postnatal photoreceptors. PLoS ONE, 2021, 16, e0248354.	1.1	10
4	Disease mechanisms of Xâ€linked cone dystrophy caused by missense mutations in the red and green cone opsins. FASEB Journal, 2021, 35, e21927.	0.2	5
5	Review: Cytoplasmic dynein motors in photoreceptors. Molecular Vision, 2021, 27, 506-517.	1.1	2
6	Conditional Deletion of Cytoplasmic Dynein Heavy Chain in Postnatal Photoreceptors. , 2021, 62, 23.		7
7	Diffuse or hitch a ride: how photoreceptor lipidated proteins get from here to there. Biological Chemistry, 2020, 401, 573-584.	1.2	16
8	Rescue of M-cone Function in Aged Opn1mw^{â^'/â^'} Mice, a Model for Late-Stage Blue Cone Monochromacy. , 2019, 60, 3644.		15
9	Insights into photoreceptor ciliogenesis revealed by animal models. Progress in Retinal and Eye Research, 2019, 71, 26-56.	7.3	38
10	Deletion of both centrin 2 (CETN2) and CETN3 destabilizes the distal connecting cilium of mouse photoreceptors. Journal of Biological Chemistry, 2019, 294, 3957-3973.	1.6	20
11	The small GTPase RAB28 is required for phagocytosis of cone outer segments by the murine retinal pigmented epithelium. Journal of Biological Chemistry, 2018, 293, 17546-17558.	1.6	39
12	Binary Function of ARL3-GTP Revealed by Gene Knockouts. Advances in Experimental Medicine and Biology, 2018, 1074, 317-325.	0.8	11
13	Rescue of cone function in cone-only knockout mouse model with Leber congenital amaurosis phenotype. Molecular Vision, 2018, 24, 834-846.	1.1	10
14	The guanine nucleotide exchange factor Arf-like protein 13b is essential for assembly of the mouse photoreceptor transition zone and outer segment. Journal of Biological Chemistry, 2017, 292, 21442-21456.	1.6	28
15	Small GTPases Rab8a and Rab11a Are Dispensable for Rhodopsin Transport in Mouse Photoreceptors. PLoS ONE, 2016, 11, e0161236.	1.1	28
16	Arf-like Protein 3 (ARL3) Regulates Protein Trafficking and Ciliogenesis in Mouse Photoreceptors. Journal of Biological Chemistry, 2016, 291, 7142-7155.	1.6	86
17	Ciliopathyâ€associated IQCB1/NPHP5 protein is required for mouse photoreceptor outer segment formation. FASEB Journal, 2016, 30, 3400-3412.	0.2	36
18	Knockdown of unc119c results in visual impairment and early-onset retinal dystrophy in zebrafish. Biochemical and Biophysical Research Communications, 2016, 473, 1211-1217.	1.0	7

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19	Ciliopathy-associated protein CEP290 modifies the severity of retinal degeneration due to loss of RPGR. Human Molecular Genetics, 2016, 25, 2005-2012.	1.4	33
20	The Function of Arf-like Proteins ARL2 and ARL3 in Photoreceptors. Advances in Experimental Medicine and Biology, 2016, 854, 655-661.	0.8	14
21	Ca2+ and Ca2+-interlocked membrane guanylate cyclase signal modulation of neuronal and cardiovascular signal transduction. Frontiers in Molecular Neuroscience, 2015, 8, 7.	1.4	4
22	Domain Organization and Conformational Plasticity of the G Protein Effector, PDE6. Journal of Biological Chemistry, 2015, 290, 12833-12843.	1.6	18
23	Heterotrimeric Kinesin-2 (KIF3) Mediates Transition Zone and Axoneme Formation of Mouse Photoreceptors. Journal of Biological Chemistry, 2015, 290, 12765-12778.	1.6	53
24	Kinesin family 17 (osmotic avoidance abnormalâ€ƒ) is dispensable for photoreceptor morphology and function. FASEB Journal, 2015, 29, 4866-4880.	0.2	40
25	Mistrafficking of prenylated proteins causes retinitis pigmentosa 2. FASEB Journal, 2015, 29, 932-942.	0.2	58
26	Retinal Cone Photoreceptors Require Phosducin-Like Protein 1 for G Protein Complex Assembly and Signaling. PLoS ONE, 2015, 10, e0117129.	1.1	10
27	RNA interference gene therapy in dominant retinitis pigmentosa and cone-rod dystrophy mouse models caused by GCAP1 mutations. Frontiers in Molecular Neuroscience, 2014, 7, 25.	1.4	17
28	FLT1Genetic Variation Predisposes to Neovascular AMD in Ethnically Diverse Populations and Alters Systemic FLT1 Expression. , 2014, 55, 3543.		20
29	Membrane Protein Transport in Photoreceptors: The Function of PDEÂ. Investigative Ophthalmology and Visual Science, 2014, 55, 8653-8666.	3.3	45
30	Inactivity of human Î²,Î²-carotene-9â€²,10â€²-dioxygenase (BCO2) underlies retinal accumulation of the human macular carotenoid pigment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10173-10178.	3.3	93
31	A HomozygousPDE6DMutation in Joubert Syndrome Impairs Targeting of Farnesylated INPP5E Protein to the Primary Cilium. Human Mutation, 2014, 35, 137-146.	1.1	113
32	RNAi-Mediated Gene Suppression in a GCAP1(L151F) Cone-Rod Dystrophy Mouse Model. PLoS ONE, 2013, 8, e57676.	1.1	15
33	Uncoordinated (UNC)119: Coordinating the trafficking of myristoylated proteins. Vision Research, 2012, 75, 26-32.	0.7	55
34	The prenyl-binding protein PrBP/Î´: A chaperone participating in intracellular trafficking. Vision Research, 2012, 75, 19-25.	0.7	45
35	Retina ciliopathies: From genes to mechanisms and treatment. Vision Research, 2012, 75, 1.	0.7	9
36	UNC119 is required for G protein trafficking in sensory neurons. Nature Neuroscience, 2011, 14, 874-880.	7.1	154

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37	Retinal ganglion cells: Development, function, and disease. Vision Research, 2011, 51, 223.	0.7	0
38	Targeting of mouse guanylate cyclase 1 (Gucy2e) to Xenopus laevis rod outer segments. Vision Research, 2011, 51, 2304-2311.	0.7	15
39	Novel functions of photoreceptor guanylate cyclases revealed by targeted deletion. Molecular and Cellular Biochemistry, 2010, 334, 141-155.	1.4	52
40	Trafficking of Membrane Proteins to Cone But Not Rod Outer Segments Is Dependent on Heterotrimeric Kinesin-II. Journal of Neuroscience, 2009, 29, 14287-14298.	1.7	73
41	Naturally occurring animal models with outer retina phenotypes. Vision Research, 2009, 49, 2636-2652.	0.7	74
42	Focus on Molecules: Guanylate cyclase-activating proteins (GCAPs). Experimental Eye Research, 2009, 89, 2-3.	1.2	18
43	A model for transport of membrane-associated phototransduction polypeptides in rod and cone photoreceptor inner segments. Vision Research, 2008, 48, 442-452.	0.7	79
44	Trafficking of Membrane-Associated Proteins to Cone Photoreceptor Outer Segments Requires the Chromophore 11-cis-Retinal. Journal of Neuroscience, 2008, 28, 4008-4014.	1.7	97
45	Rpe65^{â^'/â^'}andLrat^{â^'/â^'}Mice: Comparable Models of Leber Congenital Amaurosis. , 2008, 49, 2384.		86
46	The Function of Guanylate Cyclase 1 and Guanylate Cyclase 2 in Rod and Cone Photoreceptors. Journal of Biological Chemistry, 2007, 282, 8837-8847.	1.6	151
47	Rhodopsinâ€"Advances and perspectives. Vision Research, 2006, 46, 4425-4426.	0.7	16
48	Evaluation of the 17-kDa Prenyl-binding Protein as a Regulatory Protein for Phototransduction in Retinal Photoreceptors. Journal of Biological Chemistry, 2005, 280, 1248-1256.	1.6	61
49	Photoreceptor cGMP Phosphodiesterase Î´ Subunit (PDEÎ´) Functions as a Prenyl-binding Protein. Journal of Biological Chemistry, 2004, 279, 407-413.	1.6	124
50	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.	0.8	98
51	Guanylate cyclase-activating proteins: structure, function, and diversity. Biochemical and Biophysical Research Communications, 2004, 322, 1123-1130.	1.0	100
52	Expression and characterization of human PDEÎ´ and itsCaenorhabditiselegansortholog CEÎ´. FEBS Letters, 1998, 440, 454-457.	1.3	28
53	Changes in Biological Activity and Folding of Guanylate Cyclase-Activating Protein 1 as a Function of Calciumâ€. Biochemistry, 1998, 37, 248-257.	1.2	89
54	Molecular cloning and localization of rhodopsin kinase in the mammalian pineal. Visual Neuroscience, 1997, 14, 225-232.	0.5	52