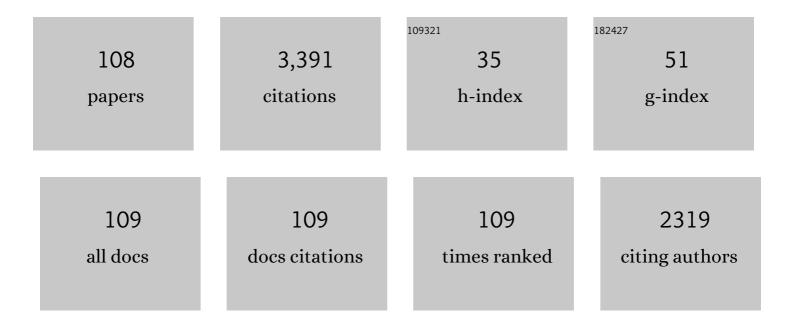
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reproducibility of the Rod Photoreceptor Response Depends Critically on the Concentration of the Phosphodiesterase Effector Enzyme. Journal of Neuroscience, 2022, 42, 2180-2189.	3.6	9
2	Molecular insights into the maturation of phosphodiesterase 6 by the specialized chaperone complex of HSP90 with AIPL1. Journal of Biological Chemistry, 2022, 298, 101620.	3.4	4
3	Transducin Partners Outside the Phototransduction Pathway. Frontiers in Cellular Neuroscience, 2020, 14, 589494.	3.7	2
4	Ricâ€8A, a GEF, and a Chaperone for G Protein α‣ubunits: Evidence for the Twoâ€Faced Interface. BioEssays, 2020, 42, e1900208.	2.5	6
5	A dual role for Cav1.4 Ca2+ channels in the molecular and structural organization of the rod photoreceptor synapse. ELife, 2020, 9, .	6.0	22
6	Structural underpinnings of Ric8A function as a G-protein α-subunit chaperone and guanine-nucleotide exchange factor. Nature Communications, 2019, 10, 3084.	12.8	22
7	Large-scale conformational rearrangement of the α5-helix of Cα subunits in complex with the guanine nucleotide exchange factor Ric8A. Journal of Biological Chemistry, 2019, 294, 17875-17882.	3.4	8
8	Interaction of the tetratricopeptide repeat domain of aryl hydrocarbon receptor–interacting protein–like 1 with the regulatory Pl³ subunit of phosphodiesterase 6. Journal of Biological Chemistry, 2019, 294, 15795-15807.	3.4	11
9	Chaperones and retinal disorders. Advances in Protein Chemistry and Structural Biology, 2019, 114, 85-117.	2.3	7
10	NMR resonance assignments of the TPR domain of human aryl hydrocarbon receptor-interacting protein-like 1 (AIPL1). Biomolecular NMR Assignments, 2019, 13, 79-83.	0.8	3
11	A nonhuman primate model of inherited retinal disease. Journal of Clinical Investigation, 2019, 129, 863-874.	8.2	78
12	Ex Vivo Functional Evaluation of Synaptic Transmission from Rods to Rod Bipolar Cells in Mice. Methods in Molecular Biology, 2018, 1753, 203-216.	0.9	2
13	The PDE6 mutation in the rd10 retinal degeneration mouse model causes protein mislocalization and instability and promotes cell death through increased ion influx. Journal of Biological Chemistry, 2018, 293, 15332-15346.	3.4	53
14	α ₂ Î^4 Is Required for the Molecular and Structural Organization of Rod and Cone Photoreceptor Synapses. Journal of Neuroscience, 2018, 38, 6145-6160.	3.6	56
15	Mechanisms of mutant PDE6 proteins underlying retinal diseases. Cellular Signalling, 2017, 37, 74-80.	3.6	33
16	NMR resonance assignments of the FKBP domain of human aryl hydrocarbon receptor-interacting protein-like 1 (AIPL1) in complex with a farnesyl ligand. Biomolecular NMR Assignments, 2017, 11, 111-115.	0.8	9
17	AIPL1: A specialized chaperone for the phototransduction effector. Cellular Signalling, 2017, 40, 183-189.	3.6	21
18	Unique structural features of the AIPL1–FKBP domain that support prenyl lipid binding and underlie protein malfunction in blindness. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6536-E6545.	7.1	16

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19	Aryl Hydrocarbon Receptor-interacting Protein-like 1 Is an Obligate Chaperone of Phosphodiesterase 6 and Is Assisted by the Î ³ -Subunit of Its Client. Journal of Biological Chemistry, 2016, 291, 16282-16291.	3.4	35
20	Luteinizing Hormone Causes Phosphorylation and Activation of the cGMP Phosphodiesterase PDE5 in Rat Ovarian Follicles, Contributing, Together with PDE1 Activity, to the Resumption of Meiosis1. Biology of Reproduction, 2016, 94, 110.	2.7	39
21	The solution structure of the transducinâ€Î±â€"uncoordinated 119 protein complex suggests occlusion of the Gβ ₁ γ ₁ â€binding sites. FEBS Journal, 2015, 282, 550-561.	4.7	4
22	Exchange of Cone for Rod Phosphodiesterase 6 Catalytic Subunits in Rod Photoreceptors Mimics in Part Features of Light Adaptation. Journal of Neuroscience, 2015, 35, 9225-9235.	3.6	29
23	Extended conformation of the prolineâ€rich domain of human aryl hydrocarbon receptorâ€interacting proteinâ€like 1: implications for retina disease. Journal of Neurochemistry, 2015, 135, 165-175.	3.9	18
24	Distinct patterns of compartmentalization and proteolytic stability of PDE6C mutants linked to achromatopsia. Molecular and Cellular Neurosciences, 2015, 64, 1-8.	2.2	9
25	Photophobia and Abnormally Sustained Pupil Responses in a Mouse Model of Bradyopsia. Investigative Ophthalmology and Visual Science, 2014, 55, 6878-6885.	3.3	12
26	The GAFa domain of phosphodiesteraseâ€6 contains a rod outer segment localization signal. Journal of Neurochemistry, 2014, 129, 256-263.	3.9	8
27	A Truncated Form of Rod Photoreceptor PDE6 β-Subunit Causes Autosomal Dominant Congenital Stationary Night Blindness by Interfering with the Inhibitory Activity of the γ-Subunit. PLoS ONE, 2014, 9, e95768.	2.5	24
28	G-Protein–Effector Coupling in the Vertebrate Phototransduction Cascade. , 2014, , 49-64.		0
29	Expression and subcellular distribution of UNC119a, a protein partner of transducin α subunit in rod photoreceptors. Cellular Signalling, 2013, 25, 341-348.	3.6	17
30	Dysregulation of Ca _v 1.4 channels disrupts the maturation of photoreceptor synaptic ribbons in congenital stationary night blindness type 2. Channels, 2013, 7, 514-523.	2.8	87
31	Transducin translocation contributes to rod survival and enhances synaptic transmission from rods to rod bipolar cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12468-12473.	7.1	39
32	Interaction of Aryl Hydrocarbon Receptor-interacting Protein-like 1 with the Farnesyl Moiety. Journal of Biological Chemistry, 2013, 288, 21320-21328.	3.4	32
33	Comparative Analysis of Cone and Rod Transducins Using Chimeric Gα Subunits. Biochemistry, 2012, 51, 1617-1624.	2.5	10
34	Atypical retinal degeneration 3 in mice is caused by defective PDE6B pre-mRNA splicing. Vision Research, 2012, 57, 1-8.	1.4	6
35	Diffusion and light-dependent compartmentalization of transducin. Molecular and Cellular Neurosciences, 2011, 46, 340-346.	2.2	20
36	Interaction of Transducin with Uncoordinated 119 Protein (UNC119). Journal of Biological Chemistry, 2011, 286, 28954-28962.	3.4	42

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37	Decreased catalytic activity and altered activation properties of PDE6C mutants associated with autosomal recessive achromatopsia. Human Molecular Genetics, 2011, 20, 719-730.	2.9	61
38	Rod phosphodiesterase-6 PDE6A and PDE6B Subunits Are Enzymatically Equivalent. Journal of Biological Chemistry, 2010, 285, 39828-39834.	3.4	42
39	Determinants for Phosphodiesterase 6 Inhibition by Its γ-Subunit. Biochemistry, 2010, 49, 3862-3867.	2.5	11
40	Hsp40 Couples with the CSPα Chaperone Complex upon Induction of the Heat Shock Response. PLoS ONE, 2009, 4, e4595.	2.5	25
41	A homologous genetic basis of the murine <i>cpfl1</i> mutant and human achromatopsia linked to mutations in the <i>PDE6C</i> gene. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19581-19586.	7.1	178
42	Characterization of Human Cone Phosphodiesterase-6 Ectopically Expressed in Xenopus laevis Rods. Journal of Biological Chemistry, 2009, 284, 32662-32669.	3.4	26
43	Structural basis of phosphodiesterase 6 inhibition by the C-terminal region of the Î ³ -subunit. EMBO Journal, 2009, 28, 3613-3622.	7.8	57
44	Light-Dependent Compartmentalization of Transducin in Rod Photoreceptors. Molecular Neurobiology, 2008, 37, 44-51.	4.0	48
45	Probing the mechanism of rhodopsin-catalyzed transducin activation. Journal of Neurochemistry, 2008, 77, 202-210.	3.9	1
46	Unique transducins expressed in long and short photoreceptors of lamprey Petromyzon marinus. Vision Research, 2008, 48, 2302-2308.	1.4	26
47	Intrinsically disordered Î ³ -subunit of cGMP phosphodiesterase encodes functionally relevant transient secondary and tertiary structure. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1505-1510.	7.1	89
48	The Drosophila rhodopsin cytoplasmic tail domain is required for maintenance of rhabdomere structure. FASEB Journal, 2007, 21, 449-455.	0.5	11
49	N-Terminal Fatty Acylation of Transducin Profoundly Influences Its Localization and the Kinetics of Photoresponse in Rods. Journal of Neuroscience, 2007, 27, 10270-10277.	3.6	29
50	PDE6 in Lamprey <i>Petromyzon marinus</i> :  Implications for the Evolution of the Visual Effector in Vertebrates [,] . Biochemistry, 2007, 46, 9992-10000.	2.5	27
51	Mechanisms of dominant negative Gâ€protein α subunits. Journal of Neuroscience Research, 2007, 85, 3505-3514.	2.9	38
52	Dominant Negative Mutants of Transducin-α That Block Activated Receptor. Biochemistry, 2006, 45, 6488-6494.	2.5	8
53	Heterologous Expression of Bovine Rhodopsin inDrosophilaPhotoreceptor Cells. , 2006, 47, 3722.		17
54	Analysis of PDE6 function using chimeric PDE5/6 catalytic domains. Vision Research, 2006, 46, 860-868.	1.4	27

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55	Probing rhodopsin–transducin interaction using Drosophila Rh1–bovine rhodopsin chimeras. Vision Research, 2006, 46, 4575-4581.	1.4	1
56	Phototransduction in a Transgenic Mouse Model of Nougaret Night Blindness. Journal of Neuroscience, 2006, 26, 6863-6872.	3.6	21
57	The Inhibitory γ Subunit of the Rod cGMP Phosphodiesterase Binds the Catalytic Subunits in an Extended Linear Structure*. Journal of Biological Chemistry, 2006, 281, 15412-15422.	3.4	42
58	Mutation R238E in transducin-alpha yields a GTPase and effector-deficient, but not dominant-negative, G-protein alpha-subunit. Molecular Vision, 2006, 12, 492-8.	1.1	7
59	Characterization of the Gαs Regulator Cysteine String Protein. Journal of Biological Chemistry, 2005, 280, 30236-30241.	3.4	62
60	Asymmetric Interaction between Rod Cyclic GMP Phosphodiesterase Î ³ Subunits and αÎ ² Subunits. Journal of Biological Chemistry, 2005, 280, 12585-12592.	3.4	40
61	Interactions Between Catalytic and Inhibitory Subunits of PDE6. , 2005, 307, 277-288.		4
62	Transducin Activation State Controls Its Light-dependent Translocation in Rod Photoreceptors. Journal of Biological Chemistry, 2005, 280, 41069-41076.	3.4	54
63	Interaction of transducin-α with LGN, a G-protein modulator expressed in photoreceptor cells. Molecular and Cellular Neurosciences, 2005, 28, 485-495.	2.2	27
64	Structural determinants of the PDE6 GAF A domain for binding the inhibitory Î ³ -subunit and noncatalytic cGMP. Vision Research, 2004, 44, 2437-2444.	1.4	32
65	A point mutation uncouples transducin-α from the photoreceptor RGS and effector proteins. Journal of Neurochemistry, 2003, 87, 1262-1271.	3.9	8
66	Mutation in Rod PDE6 Linked to Congenital Stationary Night Blindness Impairs the Enzyme Inhibition by Its γ-Subunitâ€. Biochemistry, 2003, 42, 3305-3310.	2.5	38
67	Rhodopsin Determinants for Transducin Activation. Journal of Biological Chemistry, 2003, 278, 37574-37581.	3.4	40
68	The GAFa Domains of Rod cGMP-phosphodiesterase 6 Determine the Selectivity of the Enzyme Dimerization. Journal of Biological Chemistry, 2003, 278, 10594-10601.	3.4	39
69	Assays of G Protein/cGMP–Phosphodiesterase Interactions. Methods in Enzymology, 2002, 345, 27-37.	1.0	0
70	A GPR-Protein Interaction Surface of Giα: Implications for the Mechanism of GDP-Release Inhibitionâ€. Biochemistry, 2002, 41, 258-265.	2.5	23
71	Direct Interaction of the Inhibitory γ-Subunit of Rod cGMP Phosphodiesterase (PDE6) with the PDE6 GAFa Domainsâ€. Biochemistry, 2002, 41, 3884-3890.	2.5	47
72	A Conformational Switch in the Inhibitory γ-Subunit of PDE6 upon Enzyme Activation by Transducinâ€. Biochemistry, 2001, 40, 13209-13215.	2.5	34

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73	Inhibition of GDP/GTP Exchange on Gα Subunits by Proteins Containing G-Protein Regulatory Motifsâ€. Biochemistry, 2001, 40, 5322-5328.	2.5	88
74	Probing the mechanism of rhodopsin-catalyzed transducin activation. Journal of Neurochemistry, 2001, 77, 202-210.	3.9	39
75	Partial Reconstitution of Photoreceptor cGMP Phosphodiesterase Characteristics in cGMP Phosphodiesterase-5. Journal of Biological Chemistry, 2001, 276, 21698-21703.	3.4	27
76	[36] Mutational analysis of functional interfaces of transducin. Methods in Enzymology, 2000, 315, 539-554.	1.0	11
77	[42] Inhibition of photoreceptor cGMP phosphodiesterase by its Î ³ subunit. Methods in Enzymology, 2000, 315, 635-646.	1.0	1
78	Rhodopsin Recognition by Mutant Gsα Containing C-terminal Residues of Transducin. Journal of Biological Chemistry, 2000, 275, 2669-2675.	3.4	35
79	Loss of the Effector Function in a Transducin-α Mutant Associated with Nougaret Night Blindness. Journal of Biological Chemistry, 2000, 275, 6969-6974.	3.4	31
80	Identification of the γ Subunit-interacting Residues on Photoreceptor cGMP Phosphodiesterase, PDE6α′. Journal of Biological Chemistry, 2000, 275, 41258-41262.	3.4	31
81	The Trimeric GTP-binding Protein (Gq/G11) α Subunit Is Required for Insulin-stimulated GLUT4 Translocation in 3T3L1 Adipocytes. Journal of Biological Chemistry, 2000, 275, 7167-7175.	3.4	58
82	AGS3 Inhibits GDP Dissociation from Gα Subunits of the Gi Family and Rhodopsin-dependent Activation of Transducin. Journal of Biological Chemistry, 2000, 275, 40981-40985.	3.4	102
83	Coupling between the N- and C-Terminal Domains Influences Transducin-α Intrinsic GDP/GTP Exchange. Biochemistry, 2000, 39, 3937-3942.	2.5	19
84	Roles of the Transducin α-Subunit α4-Helix/α4-β6 Loop in the Receptor and Effector Interactions. Journal of Biological Chemistry, 1999, 274, 7865-7869.	3.4	31
85	Modulation of Transducin GTPase Activity by Chimeric RGS16 and RGS9 Regulators of G Protein Signaling and the Effector Molecule. Biochemistry, 1999, 38, 4931-4937.	2.5	27
86	Probing functional interfaces of rod PDE γ-subunit using scanning fluorescent labeling. Cell Biochemistry and Biophysics, 1998, 28, 115-133.	1.8	11
87	A Single Mutation Asp229 → Ser Confers upon Gsα the Ability To Interact with Regulators of G Protein Signaling. Biochemistry, 1998, 37, 13776-13780.	2.5	35
88	Photoreceptor Phosphodiesterase: Interaction of Inhibitory γ Subunit and Cyclic GMP with Specific Binding Sites on Catalytic Subunits. Methods, 1998, 14, 93-104.	3.8	32
89	Substitution of Transducin Ser202 by Asp Abolishes G-protein/RGS Interaction. Journal of Biological Chemistry, 1998, 273, 4300-4303.	3.4	27
90	Mutational Analysis of the Asn Residue Essential for RCS Protein Binding to G-proteins. Journal of Biological Chemistry, 1998, 273, 6731-6735.	3.4	43

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91	Identification of Effector Residues on Photoreceptor G Protein, Transducin. Journal of Biological Chemistry, 1998, 273, 21808-21815.	3.4	39
92	Probing Domain Functions of Chimeric PDE6α′/PDE5 cGMP-Phosphodiesterase. Journal of Biological Chemistry, 1998, 273, 24485-24490.	3.4	58
93	Regulation of Transducin GTPase Activity by Human Retinal RGS. Journal of Biological Chemistry, 1997, 272, 17444-17449.	3.4	51
94	The Î ³ Subunit of Rod cGMP-Phosphodiesterase Blocks the Enzyme Catalytic Site. Journal of Biological Chemistry, 1997, 272, 11686-11689.	3.4	68
95	Binding of Transducin to Light-Activated Rhodopsin Prevents Transducin Interaction with the Rod cGMP Phosphodiesterase Î ³ -Subunit. Biochemistry, 1997, 36, 4188-4193.	2.5	26
96	Interaction of human retinal RGS with G-proteinα-subunits. FEBS Letters, 1997, 411, 179-182.	2.8	15
97	Mechanism of photoreceptor cGMP phosphodiesterase inhibition by its gamma-subunits Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5407-5412.	7.1	59
98	Subunit Structure of Rod cGMP-Phosphodiesterase. Journal of Biological Chemistry, 1996, 271, 25382-25388.	3.4	24
99	An Interface of Interaction between Photoreceptor cGMP Phosphodiesterase Catalytic Subunits and Inhibitory Î ³ Subunits. Journal of Biological Chemistry, 1996, 271, 19964-19969.	3.4	34
100	An Effector Site That Stimulates G-protein GTPase in Photoreceptors. Journal of Biological Chemistry, 1995, 270, 14319-14324.	3.4	67
101	The Carboxyl Terminus of the γ-Subunit of Rod cGMP Phosphodiesterase Contains Distinct Sites of Interaction with the Enzyme Catalytic Subunits and the α-Subunit of Transducin. Journal of Biological Chemistry, 1995, 270, 13210-13215.	3.4	65
102	Probing G-protein function. Nature Structural Biology, 1994, 1, 752-754.	9.7	3
103	[2] Specific peptide probes for G-protein interaction with effectors. Methods in Enzymology, 1994, 238, 13-28.	1.0	20
104	Rod cGMP-Phosphodiesterase γ-Subunit: Structure–Function Relationships. Methods, 1993, 5, 220-228.	3.8	4
105	A site on rod G protein alpha subunit that mediates effector activation. Science, 1992, 256, 1031-1033.	12.6	106
106	Active sites of the cyclic GMP phosphodiesterase Î ³ -subunit of retinal rod outer segments. FEBS Letters, 1988, 234, 287-290.	2.8	71
107	Phosphodiesterase 6A, cGMP-specific rod alpha. The AFCS-nature Molecule Pages, 0, , .	0.2	0
108	Phosphodiesterase 6B, cGMP-specific rod beta. The AFCS-nature Molecule Pages, 0, , .	0.2	0