

Rick H Cote

List of Publications by Year in descending order

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41
papers

1,182
citations

489802

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488211

31
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41
all docs

41
docs citations

41
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of Photoreceptor PDE (PDE6): similarities and differences to PDE5. International Journal of Impotence Research, 2004, 16, S28-S33.	1.0	145
2	Efficacy and Selectivity of Phosphodiesterase-Targeted Drugs in Inhibiting Photoreceptor Phosphodiesterase (PDE6) in Retinal Photoreceptors. , 2005, 46, 3060.		95
3	Molecular organization of bovine rod cGMP-phosphodiesterase 6. Journal of Molecular Biology, 2001, 310, 781-791.	2.0	93
4	The Catalytic and GAF Domains of the Rod cGMP Phosphodiesterase (PDE6) Heterodimer Are Regulated by Distinct Regions of Its Inhibitory $\hat{\Gamma}^3$ Subunit. Journal of Biological Chemistry, 2001, 276, 27527-27534.	1.6	87
5	cGMP signaling in vertebrate retinal photoreceptor cells. Frontiers in Bioscience - Landmark, 2005, 10, 1191.	3.0	81
6	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
7	cGMP Binding to Noncatalytic Sites on Mammalian Rod Photoreceptor Phosphodiesterase Is Regulated by Binding of Its $\hat{\Gamma}^3$ and $\hat{\Gamma}$ Subunits. Journal of Biological Chemistry, 1999, 274, 18813-18820.	1.6	60
8	Mechanism of Transducin Activation of Frog Rod Photoreceptor Phosphodiesterase. Journal of Biological Chemistry, 2000, 275, 38611-38619.	1.6	50
9	The Glutamic Acid-rich Protein-2 (GARP2) Is a High Affinity Rod Photoreceptor Phosphodiesterase (PDE6)-binding Protein That Modulates Its Catalytic Properties. Journal of Biological Chemistry, 2006, 281, 5500-5505.	1.6	46
10	Regulation of photoreceptor phosphodiesterase catalysis by its non-catalytic cGMP-binding sites. Biochemical Journal, 1999, 340, 863-869.	1.7	41
11	Molecular Architecture of Photoreceptor Phosphodiesterase Elucidated by Chemical Cross-Linking and Integrative Modeling. Journal of Molecular Biology, 2014, 426, 3713-3728.	2.0	37
12	Photoreceptor Phosphodiesterase: Interaction of Inhibitory $\hat{\Gamma}^3$ Subunit and Cyclic GMP with Specific Binding Sites on Catalytic Subunits. Methods, 1998, 14, 93-104.	1.9	32
13	Identification of Amino Acid Residues Responsible for the Selectivity of Tadalafil Binding to Two Closely Related Phosphodiesterases, PDE5 and PDE6. Journal of Biological Chemistry, 2012, 287, 41406-41416.	1.6	29
14	Structural Features of the Noncatalytic cGMP Binding Sites of Frog Photoreceptor Phosphodiesterase Using cGMP Analogs. Journal of Biological Chemistry, 1998, 273, 5557-5565.	1.6	27
15	Rod and Cone Opsin Families Differ in Spectral Tuning Domains but Not Signal Transducing Domains as Judged by Saturated Evolutionary Trace Analysis. Journal of Molecular Evolution, 2005, 61, 75-89.	0.8	27
16	Regulation of Photoreceptor Phosphodiesterase (PDE6) by Phosphorylation of Its Inhibitory $\hat{\Gamma}^3$ Subunit Re-evaluated. Journal of Biological Chemistry, 2002, 277, 5017-5023.	1.6	26
17	Regulation of photoreceptor phosphodiesterase catalysis by its non-catalytic cGMP-binding sites. Biochemical Journal, 1999, 340, 863.	1.7	25
18	Purification of PDE6 Isozymes From Mammalian Retina. , 2005, 307, 125-140.		21

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19	Direct Allosteric Regulation between the GAF Domain and Catalytic Domain of Photoreceptor Phosphodiesterase PDE6. <i>Journal of Biological Chemistry</i> , 2008, 283, 29699-29705.	1.6	20
20	Functional Mapping of Interacting Regions of the Photoreceptor Phosphodiesterase (PDE6) $\hat{\gamma}$ -Subunit with PDE6 Catalytic Dimer, Transducin, and Regulator of G-protein Signaling $\hat{\gamma}$ -1 (RGS $\hat{\gamma}$ -1). <i>Journal of Biological Chemistry</i> , 2012, 287, 26312-26320.	1.6	18
21	Photoreceptor phosphodiesterase (PDE6): activation and inactivation mechanisms during visual transduction in rods and cones. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1377-1391.	1.3	16
22	Photoreceptor Phosphodiesterase (PDE6): A G-Protein-Activated PDE Regulating Visual Excitation in Rod and Cone Photoreceptor Cells. , 2006, , 165-193.		16
23	Assay and Functional Properties of PrBP(PDE $\hat{\gamma}$), a Prenyl $\hat{\gamma}$ -Binding Protein Interacting with Multiple Partners. <i>Methods in Enzymology</i> , 2005, 403, 42-56.	0.4	14
24	Structural Requirements of the Photoreceptor Phosphodiesterase $\hat{\gamma}$ -Subunit for Inhibition of Rod PDE6 Holoenzyme and for Its Activation by Transducin. <i>Journal of Biological Chemistry</i> , 2010, 285, 4455-4463.	1.6	14
25	The molecular architecture of photoreceptor phosphodiesterase 6 (PDE6) with activated G protein elucidates the mechanism of visual excitation. <i>Journal of Biological Chemistry</i> , 2019, 294, 19486-19497.	1.6	14
26	Probing the Catalytic Sites and Activation Mechanism of Photoreceptor Phosphodiesterase Using Radiolabeled Phosphodiesterase Inhibitors. <i>Journal of Biological Chemistry</i> , 2009, 284, 31541-31547.	1.6	12
27	Characterization of Conformational Changes and Protein-Protein Interactions of Rod Photoreceptor Phosphodiesterase (PDE6). <i>Journal of Biological Chemistry</i> , 2012, 287, 20111-20121.	1.6	12
28	Cyclic Guanosine 5'-Monophosphate Binding to Regulatory GAF Domains of Photoreceptor Phosphodiesterase. , 2005, 307, 141-154.		11
29	The N termini of the inhibitory $\hat{\gamma}$ -subunits of phosphodiesterase-6 (PDE6) from rod and cone photoreceptors differentially regulate transducin-mediated PDE6 activation. <i>Journal of Biological Chemistry</i> , 2019, 294, 8351-8360.	1.6	10
30	Allosteric Regulation of Rod Photoreceptor Phosphodiesterase 6 (PDE6) Elucidated by Chemical Cross-Linking and Quantitative Mass Spectrometry. <i>Journal of Molecular Biology</i> , 2019, 431, 3677-3689.	2.0	7
31	Pharmacological and molecular dynamics analyses of differences in inhibitor binding to human and nematode PDE4: Implications for management of parasitic nematodes. <i>PLoS ONE</i> , 2019, 14, e0214554.	1.1	7
32	Photoreceptor Phosphodiesterase (PDE6): Structure, Regulatory Mechanisms, and Implications for Treatment of Retinal Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 33-59.	0.8	7
33	Structural Analysis of the Regulatory GAF Domains of cGMP Phosphodiesterase Elucidates the Allosteric Communication Pathway. <i>Journal of Molecular Biology</i> , 2020, 432, 5765-5783.	2.0	6
34	Structure, Function, and Regulation of Photoreceptor Phosphodiesterase (PDE6). , 2003, , 453-457.		4
35	The cGMP Signaling Pathway in Retinal Photoreceptors and the Central Role of Photoreceptor Phosphodiesterase (PDE6). , 2008, , 141-169.		3
36	Regulation of Cyclic Nucleotide Levels by Sequestration. , 2003, , 465-470.		3

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37	Phosphodiesterase 6C, cGMP-specific cone alpha'. The AFCS-nature Molecule Pages, 2011, 2011, .	0.2	2
38	Regulation of Cyclic Nucleotide Levels by Sequestration. , 2010, , 1453-1459.		2
39	Phosphodiesterase 6D, cGMP-specific rod delta. The AFCS-nature Molecule Pages, 2011, 2011, .	0.2	1
40	Function and Regulation of Photoreceptor Phosphodiesterase (PDE6) in the Visual Signaling Pathway. , 2010, , 1445-1451.		0
41	Reconstitution of Membrane-associated Components of a G-protein Signaling Pathway on Membrane-coated Nanoparticles (Lipobeads). Bio-protocol, 2022, 12, e4303.	0.2	0