

CITATION REPORT

List of articles citing

Stimulation of Adenosine 3i,5i-Monophosphate Hydrolysis by Guanosine 3i,5i-Monophosphate

DOI: 10.1016/S0021-9258(18)62110-6
Journal of Biological Chemistry, 1971, 246, 3841-3846.

Source: <https://exaly.com/paper-pdf/84516923/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
199	Studies of the mechanism of action of 3',5'-cyclic nucleotides on hepatic glucose production. 1971 , 45, 436-43		12
198	The formation and metabolism of cyclic GMP. 1971 , 185, 27-35		110
197	Studies on the mechanism of hormone action. 1972 , 177, 401-8		587
196	Demonstration of an "activator factor" and an "inhibitor factor" in the cyclic AMP phosphodiesterase from oxyntic cells of bullfrog gastric mucosa. 1972 , 20, 205-208		7
195	Cyclic 3',5'-AMP phosphodiesterase of human blood lymphocytes. 1972 , 276, 444-53		21
194	Purification and properties of a cyclic nucleotide phosphodiesterase from bovine heart. 1972 , 153, 384-97		59
193	Characterization of multiple cyclic nucleotide phosphodiesterase activities of rat adipose tissue. 1972 , 11, 7-17		27
192	Acetylcholine and the cyclic AMP system in smooth muscle. 1972 , 46, 1866-73		21
191	Untersuchungen zur Wirkungsweise der Hormone (Nobel-Vortrag). 1972 , 84, 1117-1125		13
190	3',5'-cyclic nucleotide phosphodiesterases in rat tissues. <i>FEBS Journal</i> , 1972 , 28, 30-7		36
189	Smooth muscle relaxing activity of 8-bromo-guanosine-3', 5'-monophosphate. 1972 , 4, 53-61		12
188	Influence of cyclic guanosine-3',5'-monophosphate on the enzymatic hydrolysis of adenosine-3',5'-monophosphate. 1972 , 274, 54-62		36
187	Possibilities for drug development based on the cyclic AMP system. 1973 , 13, 753-67		29
186	Effects of prostaglandins on release of enzymes from lysosomes of pancreas, spleen and kidney cortex. 1973 , 12, 193-201		35
185	Partial purification and properties of the cyclic AMP and the cyclic GMP phosphodiesterases of bovine liver. 1973 , 302, 50-63		43
184	Multiple forms of cyclic adenosine 3',5'-monophosphate phosphodiesterase from human blood platelets. I. Kinetic and electrophoretic characterization of two molecular species. 1973 , 315, 370-377		26
183	Adenosine 3',5'-monophosphate phosphodiesterase in rat pancreas. 1973 , 315, 384-393		31

182	Effect of cyclic nucleotides on activity of cyclic 3',5'-adenosine monophosphate phosphodiesterase. 1973 , 22, 221-8		37
181	Development of cyclic AMP metabolism in rat liver. A correlative study of tissue levels of cyclic AMP, accumulation of cyclic AMP in slices, adenylate cyclase activity and cyclic nucleotide phosphodiesterase activity. 1973 , 313, 338-49		76
180	Metabolism and functions of cyclic AMP in nerve. 1973 , 2, 121-176		7
179	Guanine nucleotides and their significance in biochemical processes. 1974 , 27, 380-402		16
178	Possible involvement of cyclic GMP in growth control of cultured mouse cells. 1974 , 248, 138-40		220
177	Activation of guanyl cyclase and intracellular cyclic GMP by fibroblast growth factor. 1974 , 250, 741-2, 773-4		110
176	Cyclic nucleotide phosphodiesterase of the bovine retina: activity, subcellular distribution and kinetic parameters. <i>Journal of Neurochemistry</i> , 1974 , 22, 93-9	6	65
175	Localization of 3',5'-cyclic nucleotide phosphodiesterase activity in isolated thyroid cells and intact thyroid tissue. <i>Histochemistry</i> , 1974 , 39, 229-42		9
174	Cyclic nucleotide phosphodiesterase activities from isolated fat cells: correlation of subcellular distribution with effects of nucleotides and insulin. 1974 , 162, 331-9		55
173	Light activation of phosphodiesterase activity in retinal rod outer segments. 1974 , 347, 491-3		56
172	Heat treatment of rat liver deoxyadenosine 3',5'-monophosphate phosphodiesterase. Kinetic characterization of the low affinity enzyme. 1974 , 341, 120-8		16
171	The second messenger system of mouse epidermis IV. Cyclic AMP and cyclic GMP phosphodiesterase. 1974 , 334, 368-377		22
170	Guanosine 3',5'-cyclic monophosphate phosphodiesterase activity of <i>Bacillus licheniformis</i> . 1974 , 58, 707-13		6
169	Development of phosphodiesterase activity in the chick retina. 1974 , 40, 378-80		5
168	Effects of decapitation, ether and pentobarbital on guanosine 3',5'-phosphate and adenosine 3',5'-phosphate levels in rat tissues. 1974 , 343, 519-28		101
167	Tumor cell surfaces: general alterations detected by agglutinins. 1974 , 20, 1-91		169
166	[33] Purification and characterization of cyclic 3',5'-nucleotide phosphodiesterase from bovine brain. <i>Methods in Enzymology</i> , 1974 , 223-239	1.7	23
165	Preparation and characterization of multiple forms of cyclic nucleotide phosphodiesterase from liver. <i>Methods in Enzymology</i> , 1974 , 38, 257-9	1.7	2

164	Comparative effects of adenosine and adenine and guanine nucleotides on drug biotransformation in rats. 1975 , 288, 233-42	2
163	A modified assay of 3R5Rcyclic-AMP phosphodiesterase. 1975 , 63, 388-99	117
162	Cyclic nucleotide phosphodiesterases: properties, activators, inhibitors, structure--activity relationships, and possible role in drug development. 1975 , 64, 1-37	187
161	Excitation-secretion coupling in exocrine glands. Properties of cyclic AMP phosphodiesterase and adenylate cyclase from the submaxillary gland and pancreas. 1975 , 385, 101-13	18
160	Regulation of DNA synthesis by guanosine-5Rdiphosphate, cyclic guanosine-3R5Rmonophosphate, and cyclic adenosine-3R5Rmonophosphate in mouse lymphoid cells. 1975 , 93, 309-14	14
159	Cyclic AMP accumulation in cerebral cortex tissue from inbred strains of mice. 1975 , 16, 903-13	17
158	Relative potencies of dipyridamole and related agents as inhibitors of cyclic nucleotide phosphodiesterases: possible explanation of mechansim of inhibition of platelet function. 1975 , 17, 1479-93	59
157	The role of cyclic GMP in the regulation of cyclic AMP hydrolysis. 1975 , 24, 311-9	66
156	Properties of cyclic nucleotide phosphodiesterase in the central nervous system of <i>Manduca sexta</i> . 1975 , 377, 364-80	22
155	Apparent multiple forms of cyclic AMP phosphodiesterase from rat erythrocytes. 1976 , 5, 51-66	15
154	Studies of rat pineal gland guanylate cyclase. 1976 , 15, 261-6	8
153	Human blood platelet 3R5Rcyclic nucleotide phosphodiesterase. Isolation of low-Km and high-Km phosphodiesterase. 1976 , 429, 485-97	117
152	Activity of imidazole on the hydrolysis of cyclic AMP and cyclic GMP by bovine heart and rat liver cyclic nucleotide phosphodiesterases. 1976 , 173, 375-85	19
151	Characterization of cyclic nucleotide phosphodiesterases with multiple separation techniques. 1976 , 175, 700-9	28
150	Inhibition of a high molecular weight cyclic 3R5Rnucleotide phosphodiesterase isolated from rat liver. 1976 , 25, 97-9	5
149	Reciprocal changes in Ca ²⁺ /protein activator-dependent and-independent cyclic AMP phosphodiesterase during the development of chick embryos. 1976 , 73, 19-24	10
148	Serum modification of cyclic nucleotide phosphodiesterase forms independent of protein synthesis. 1976 , 70, 58-65	7
147	Effects of 8-substituted adenosine 3R5Rmonophosphate derivatives on high Km phosphodiesterase activity. <i>Biochemistry</i> , 1976 , 15, 1408-13	3.2 5

146	On the cyclic nucleotides involvement in rat striatal function. 1976 , 8, 143-7		2
145	On the cyclic nucleotides involvement in rat striatal function. 1976 , 8, 519-24		1
144	Effects of FSH on cyclic nucleotide accumulation in testes of rats of various ages. 1977 , 4, 311-28		13
143	The formation, degradation, and function of cyclic nucleotides in the nervous system. 1977 , 20, 105-68		45
142	Pharmacological control of the synthesis and metabolism of cyclic nucleotides. <i>Advances in Pharmacology</i> , 1977 , 14, 189-283	5-7	15
141	Characterization of particulate cyclic nucleotide phosphodiesterases of rat kidney. 1977 , 178, 58-68		20
140	Differential inhibition of cyclic AMP and cyclic GMP hydrolysis in rat renal cortex. 1977 , 178, 598-606		27
139	Adrenal medullary cyclic nucleotide phosphodiesterase. Subcellular distribution, partial purification and regulation of enzyme activity. 1977 , 483, 348-66		16
138	Cyclic 3R5Rnucleotide phosphodiesterase determined in various human tissues by DEAE-cellulose chromatography. 1977 , 484, 398-407		30
137	The organization of the plasma membrane of mammalian cells: structure in relation to function. 1977 , 1-54		2
136	Cyclic nucleotide metabolism in electroplax of <i>Electrophorus electricus</i> . <i>Journal of Neurochemistry</i> , 1977 , 28, 1229-35	6	4
135	Cyclic nucleotide hydrolysis in the thyroid gland. General properties and key role in the interrelations between concentrations of adenosine 3R5Rmonophosphate and guanosine 3R5Rmonophosphate. <i>FEBS Journal</i> , 1977 , 72, 137-47		29
134	Dose any enzyme follow the Michaelis-Menten equation?. 1977 , 15, 173-8		100
133	General theory on the control of cell cycle. 1978 , 4, 58-77		
132	Regulation of cyclic GMP, cyclic AMP and lactate dehydrogenase by putative neurotransmitters in the C6 rat glioma cell line. 1978 , 23, 821-34		42
131	Cyclic 3R5Rnucleotide phosphodiesterase of rabbit sinoatrial node. 1978 , 522, 465-76		8
130	Inhibition of heart and brain cyclic adenosine 3R5Rmonophosphate phosphodiesterase by new non-steroidic compounds structurally related to natural cardenolides. 1978 , 27, 2769-74		7
129	Regulation of cyclic nucleotide phosphodiesterase forms by serum and insulin in cultured fibroblasts. 1979 , 100, 497-507		8

128	Evidence for cyclic GMP-mediated relaxant effects of nitro-compounds in coronary smooth muscle. 1979 , 310, 129-38	260
127	The questionable role of cyclic guanosine 3'R5Rmonophosphate in heart. 1979 , 28, 3351-60	52
126	Comparative study of cholinergic control of cyclic nucleotides levels in pig and dog thyroid. 1979 , 61, 121-6	3
125	The effect of dihydroxy bile acids on intestinal secretion, cyclic nucleotides, and Na ⁺ -K ⁺ -ATPase. 1980 , 279, 141-6	10
124	Localization of 3'R5Rcyclic adenosine monophosphate phosphodiesterase (cAMP-PDEase) activity in isolated bovine thyroid plasma membranes. <i>Histochemistry</i> , 1980 , 65, 277-89	3
123	Effect of acetylcholine on the cyclic GMP level in the rat heart at different ages. 1980 , 90, 1237-1239	3
122	A novel kinetic mechanism explaining the non-hyperbolic behavior of metal activated enzymes. Case of choline kinase from rat liver. 1980 , 86, 177-201	3
121	Effects of mammalian gonadotropins on progesterone release and cyclic nucleotide production by isolated avian granulosa cells. 1980 , 41, 467-76	37
120	Catecholamines and the Heart. 1980 , 161-262	1
119	Inhibition by purine compounds of cyclic GMP-stimulated cyclic AMP phosphodiesterase activity from a particulate fraction of rat striatum. 1980 , 27, 1089-95	5
118	Stimulation of rat liver cyclic 3'R5Rnucleotide phosphodiesterase by cyclic GMP is dependent on enzyme concentration. 1980 , 204, 191-8	6
117	Characteristics of a new binding protein distinct from the kinase for guanosine 3'R5Rmonophosphate in rat platelets. 1980 , 631, 148-65	50
116	The effect of acetylcholine, ischemia, and anoxia on rat heart purine cyclic nucleotides and contractility. <i>Circulation Research</i> , 1981 , 49, 912-22	15.7 9
115	Purification, characterization and production of rabbit antibodies to rat liver particulate, high-affinity, cyclic AMP phosphodiesterase. 1982 , 714, 279-91	15
114	Identification and properties of cyclic nucleotide phosphodiesterases. 1982 , 28, 387-410	127
113	Specificity of the cyclic GMP-binding activity and of a cyclic GMP-dependent cyclic GMP phosphodiesterase in <i>Dictyostelium discoideum</i> . 1982 , 25, 171-82	21
112	Characterization of the soluble cyclic nucleotide phosphodiesterases in <i>Xenopus laevis</i> oocytes. Evidence for a calmodulin-dependent enzyme. 1982 , 701, 253-9	18
111	Characterization of phosphodiesterase catalytic sites by means of cyclic nucleotide derivatives. <i>FEBS Journal</i> , 1983 , 136, 571-5	18

110	The effects of probenecid on cyclic adenosine 3',5'-monophosphate levels in cerebrospinal fluid and on brain phosphodiesterase activity in the rat. 1983 , 233, 71-6		1
109	Particulate cyclic 3',5'-nucleotide phosphodiesterase and calmodulin of cardiac muscle. 1984 , 16, 483-8		5
108	Effects of fatty acids on activity of cGMP-stimulated cyclic nucleotide phosphodiesterase from calf liver. 1984 , 229, 81-9		12
107	Specificity of cGMP binding to a purified cGMP-stimulated phosphodiesterase from bovine adrenal tissue. <i>FEBS Journal</i> , 1985 , 149, 59-65		34
106	Cyclic nucleotide specificity of the activator and catalytic sites of a cGMP-stimulated cGMP phosphodiesterase from <i>Dictyostelium discoideum</i> . <i>FEBS Journal</i> , 1985 , 151, 179-86		16
105	Guanosine 3':5'-cyclic monophosphate changes during germination of <i>Hordeum vulgare</i> . 1985 , 42, 1-4		5
104	Progesterone substitutes: cGMP mediation. 1986 , 10, 47-53		42
103	Cyclic nucleotide phosphodiesterase activity in bovine brain coated vesicles. <i>Journal of Neurochemistry</i> , 1986 , 46, 1263-71	6	8
102	Purification and partial characterization of membrane-associated type II (cGMP-activatable) cyclic nucleotide phosphodiesterase from rabbit brain. 1988 , 972, 79-94		24
101	Purification and partial characterization of membrane-associated type II (cGMP-activatable) cyclic nucleotide phosphodiesterase from rabbit brain. 1988 , 972, 79-94		8
100	Physiological role of cGMP and cGMP-dependent protein kinase in the cardiovascular system. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 1989 , 113, 41-88	2.9	151
99	Properties and regulation of calcium channels in muscle cells. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 1990 , 114, 107-207	2.9	122
98	Characterization of particulate cyclic nucleotide phosphodiesterases from bovine brain: purification of a distinct cGMP-stimulated isoenzyme. <i>Biochemistry</i> , 1990 , 29, 5285-92	3.2	36
97	Cardiac cGMP-stimulated cyclic nucleotide phosphodiesterases: effects of cGMP analogues and drugs. <i>European Journal of Pharmacology</i> , 1991 , 206, 5-13		16
96	Signal transduction by cGMP in heart. <i>Basic Research in Cardiology</i> , 1991 , 86, 503-14	11.8	153
95	Distribution of cyclic AMP phosphodiesterase in microdissected periportal and perivenous rat liver tissue with different dietary states. <i>Histochemistry</i> , 1991 , 96, 87-92		7
94	Partial purification of cyclic guanosine monophosphate phosphodiesterase from sea urchin (<i>Strongylocentrotus purpuratus</i>) sperm. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993 , 104, 577-581		
93	A cyclic GMP-stimulated cyclic nucleotide phosphodiesterase gene is highly expressed in the limbic system of the rat brain. <i>Neuroscience</i> , 1993 , 56, 673-86	3.9	87

92	Steroid hormones regulate cAMP and cGMP production by porcine granulosa cells in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1993 , 46, 573-7	5.1	14
91	Cyclic ADP-ribose: a new member of a super family of signalling cyclic nucleotides. <i>Cellular Signalling</i> , 1994 , 6, 591-600	4.9	59
90	Progress in understanding the mechanism and function of cyclic GMP-dependent protein kinase. <i>Advances in Pharmacology</i> , 1994 , 26, 115-70	5.7	61
89	The ability of steroid hormones to control cAMP and cGMP production by human granulosa cells in culture. <i>Cellular Signalling</i> , 1995 , 7, 61-5	4.9	13
88	Chapter 3 The role of multiple isozymes in the regulation of cyclic nucleotide synthesis and degradation. <i>Principles of Medical Biology</i> , 1996 , 77-122		
87	Identification, quantitation, and cellular localization of PDE1 calmodulin-stimulated cyclic nucleotide phosphodiesterases. <i>Methods</i> , 1998 , 14, 3-19	4.6	40
86	Nitric oxide depresses GABAA receptor function via coactivation of cGMP-dependent kinase and phosphodiesterase. <i>Journal of Neuroscience</i> , 1998 , 18, 2342-9	6.6	87
85	The molecular biology of cyclic nucleotide phosphodiesterases. <i>Progress in Molecular Biology and Translational Science</i> , 1999 , 63, 1-38		347
84	Cyclic GMP as substrate and regulator of cyclic nucleotide phosphodiesterases (PDEs). <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 1999 , 135, 67-104	2.9	104
83	Purification and assay of bovine type 6 photoreceptor phosphodiesterase and its subunits. <i>Methods in Enzymology</i> , 2000 , 315, 597-616	1.7	4
82	Cyclic nucleotide phosphodiesterases: relating structure and function. <i>Progress in Molecular Biology and Translational Science</i> , 2001 , 65, 1-52		390
81	Phosphorylation of isolated human phosphodiesterase-5 regulatory domain induces an apparent conformational change and increases cGMP binding affinity. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47581-7	5.4	68
80	Cyclic nucleotide research -- still expanding after half a century. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 710-8	48.7	683
79	[3H]sildenafil binding to phosphodiesterase-5 is specific, kinetically heterogeneous, and stimulated by cGMP. <i>Molecular Pharmacology</i> , 2003 , 63, 1364-72	4.3	70
78	Molecular determinants for cyclic nucleotide binding to the regulatory domains of phosphodiesterase 2A. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37928-38	5.4	66
77	Specificity of cyclic GMP activation of a multi-substrate cyclic nucleotide phosphodiesterase from rat liver. <i>FEBS Journal</i> , 1981 , 115, 503-10		78
76	Anchored cAMP signaling: onward and upward - a short history of compartmentalized cAMP signal transduction. <i>European Journal of Cell Biology</i> , 2006 , 85, 585-92	6.1	30
75	Cyclic nucleotide phosphodiesterase (PDE) superfamily: a new target for the development of specific therapeutic agents. 2006 , 109, 366-98		655

74	cAMP and cGMP signaling cross-talk: role of phosphodiesterases and implications for cardiac pathophysiology. <i>Circulation Research</i> , 2007 , 100, 1569-78	15.7	255
73	Regulation of phosphodiesterase 3 and inducible cAMP early repressor in the heart. <i>Circulation Research</i> , 2007 , 100, 489-501	15.7	74
72	Biochemistry and physiology of cyclic nucleotide phosphodiesterases: essential components in cyclic nucleotide signaling. <i>Annual Review of Biochemistry</i> , 2007 , 76, 481-511	29.1	924
71	Dual acylation of PDE2A splice variant 3: targeting to synaptic membranes. <i>Journal of Biological Chemistry</i> , 2009 , 284, 25782-90	5.4	42
70	Allosteric-site and catalytic-site ligand effects on PDE5 functions are associated with distinct changes in physical form of the enzyme. <i>Cellular Signalling</i> , 2009 , 21, 1768-74	4.9	18
69	"Pas de Deux" for phosphodiesterase-2 in acute lung injury. <i>Critical Care Medicine</i> , 2009 , 37, 769-70	1.4	
68	Nitric oxide signaling via cGMP-stimulated phosphodiesterase in striatal neurons. <i>Synapse</i> , 2010 , 64, 460-6	2.4	38
67	Activation of PDE2 and PDE5 by specific GAF ligands: delayed activation of PDE5. <i>British Journal of Pharmacology</i> , 2010 , 161, 1645-60	8.6	22
66	Phosphodiesterase Families. 2010 , 1409-1414		1
65	Local termination of 3R5Rcyclic adenosine monophosphate signals: the role of A kinase anchoring protein-tethered phosphodiesterases. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 58, 345-53	3.1	10
64	Crystal structure of the GAF-B domain from human phosphodiesterase 5. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 1682-7	4.2	3
63	A phosphodiesterase 2A isoform localized to mitochondria regulates respiration. <i>Journal of Biological Chemistry</i> , 2011 , 286, 30423-30432	5.4	94
62	Mammalian cyclic nucleotide phosphodiesterases: molecular mechanisms and physiological functions. <i>Physiological Reviews</i> , 2011 , 91, 651-90	47.9	443
61	Activation of PDE10 and PDE11 phosphodiesterases. <i>Journal of Biological Chemistry</i> , 2012 , 287, 1210-9	5.4	48
60	Phosphodiesterases and cyclic GMP regulation in heart muscle. <i>Physiology</i> , 2012 , 27, 248-58	9.8	38
59	Enzyme assays for cGMP hydrolyzing phosphodiesterases. <i>Methods in Molecular Biology</i> , 2013 , 1020, 51-62	1.4	12
58	Phosphodiesterases maintain signaling fidelity via compartmentalization of cyclic nucleotides. <i>Physiology</i> , 2014 , 29, 141-9	9.8	25
57	Clinical and molecular genetics of the phosphodiesterases (PDEs). <i>Endocrine Reviews</i> , 2014 , 35, 195-233	27.2	157

56	cAMP-Dependent Protein Kinase and cGMP-Dependent Protein Kinase as Cyclic Nucleotide Effectors. <i>Handbook of Experimental Pharmacology</i> , 2017 , 238, 105-122	3.2	16
55	Chemical attachment of functionalized multiwalled carbon nanotubes on glassy carbon electrode for electrocatalytic application. <i>Electrochimica Acta</i> , 2015 , 165, 268-276	6.7	6
54	Interaction between phosphodiesterases in the regulation of the cardiac β adrenergic pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 29-38	5.8	18
53	Alterations of Phosphodiesterases in Adrenocortical Tumors. <i>Frontiers in Endocrinology</i> , 2016 , 7, 111	5.7	12
52	Inactivation of Non-canonical Cyclic Nucleotides: Hydrolysis and Transport. <i>Handbook of Experimental Pharmacology</i> , 2017 , 238, 169-205	3.2	3
51	[¹⁸ F]JNJ42259152 binding to phosphodiesterase 10A, a key regulator of medium spiny neuron excitability, is altered in the presence of cyclic AMP. <i>Journal of Neurochemistry</i> , 2016 , 139, 897-906	6	12
50	Towards selective phosphodiesterase 2A (PDE2A) inhibitors: a patent review (2010 - present). <i>Expert Opinion on Therapeutic Patents</i> , 2016 , 26, 933-46	6.8	17
49	The Role of Phosphodiesterase-2 in Psychiatric and Neurodegenerative Disorders. <i>Advances in Neurobiology</i> , 2017 , 17, 307-347	2.1	16
48	A Role for Phosphodiesterase 11A (PDE11A) in the Formation of Social Memories and the Stabilization of Mood. <i>Advances in Neurobiology</i> , 2017 , 17, 201-230	2.1	12
47	Computational Modeling of Cyclic Nucleotide Signaling Mechanisms in Cardiac Myocytes. <i>Cardiac and Vascular Biology</i> , 2017 , 175-213	0.2	
46	A homozygous loss-of-function mutation in PDE2A associated to early-onset hereditary chorea. <i>Movement Disorders</i> , 2018 , 33, 482-488	7	25
45	Therapeutic targeting of 3R5Rcyclic nucleotide phosphodiesterases: inhibition and beyond. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 770-796	64.1	100
44	Cyclic nucleotide phosphodiesterases: New targets in the metabolic syndrome?. <i>Pharmacology & Therapeutics</i> , 2020 , 208, 107475	13.9	17
43	Subcellular Organization of the cAMP Signaling Pathway. <i>Pharmacological Reviews</i> , 2021 , 73, 278-309	22.5	37
42	In Search of Monocot Phosphodiesterases: Identification of a Calmodulin Stimulated Phosphodiesterase from. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
41	Structural and Functional Characterization of Cyclic GMP-Stimulated Phosphodiesterases and Their Role in Intracellular Signal Transduction. 1990 , 281-289		1
40	The Mechanism of Action of Hormones. 1980 , 535-620		1
39	Mechanisms of lipomobilization. <i>Advances in Experimental Medicine and Biology</i> , 1978 , 109, 209-23	3.6	15

38	Pathogenesis of Bronchial Asthma. 1979 , 417-467		1
37	Cyclic GMP in Metabolism: Interrelationship of Biogenic Amines, Hormones, and Other Agents. 1978 , 1-32		3
36	Muscarinic Stimulation and cGMP Synthesis in the Nervous System. <i>Advances in Behavioral Biology</i> , 1978 , 285-295		4
35	Role of Cyclic Nucleotides in the Nervous System. 1975 , 47-130		5
34	Phosphodiesterase-5 Inhibition. 2004 , 117-130		1
33	Cyclic Nucleotide Phosphodiesterases. <i>Handbook of Experimental Pharmacology</i> , 1982 , 261-300	3.2	17
32	c-AMP und c-GMP als Indikatoren der Stimulation peripherer Rezeptoren bei Operationsstreß <i>Verhandlungen Der Deutschen Gesellschaft Fur Innere Medizin</i> , 1979 , 1244-1247		1
31	Regulation of cardiac Ca ²⁺ channels by cGMP and NO. <i>Developments in Cardiovascular Medicine</i> , 1996 , 93-105		6
30	Cyclic nucleotides in the central nervous system. <i>Current Topics in Cellular Regulation</i> , 1980 , 16, 225-69		11
29	Inhibitors and Activators of Enzymes Regulating the Cellular Concentration of Cyclic AMP. 1973 , 389-434		1
28	Actions of Cyclic AMP and Its Relationship to Transmitter Function in Nervous Tissue. 1977 , 407-496		3
27	Hormonal Regulation of Cyclic Nucleotide Phosphodiesterases. 1978 , 553-577		13
26	Platelet cyclic 3',5'-nucleotide phosphodiesterase released by thrombin and calcium ionophore.. <i>Journal of Biological Chemistry</i> , 1976 , 251, 7508-7516	5.4	42
25	Phosphodiesterase activator from rat kidney cortex.. <i>Journal of Biological Chemistry</i> , 1978 , 253, 390-394	5.4	11
24	Purification and properties of calmodulin-stimulated phosphodiesterase from mammalian brain.. <i>Journal of Biological Chemistry</i> , 1984 , 259, 5158-5166	5.4	50
23	Purification and characterization of cyclic GMP-stimulated cyclic nucleotide phosphodiesterase from calf liver. Effects of divalent cations on activity.. <i>Journal of Biological Chemistry</i> , 1983 , 258, 12526-12533	5.4	68
22	Peptide mapping of multiple forms of cyclic nucleotide phosphodiesterase.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 14597-14599	5.4	13
21	Identification of cGMP-stimulated cyclic nucleotide phosphodiesterase in lung tissue with monoclonal antibodies.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 13283-13290	5.4	37

20	Increased cyclic nucleotide phosphodiesterase activity in a mutant S49 lymphoma cell. Characterization and comparison with wild type enzyme activity.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 9349-9355	5-4	14
19	Structure and function studies of the cGMP-stimulated phosphodiesterase.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 23802-23809	5-4	61
18	Cyclic Adenosine 3':5'-Monophosphate and Cyclic Guanosine 3':5'-Monophosphate Phosphodiesterase Activities Are under Separate Genetic Control. <i>Journal of Biological Chemistry</i> , 1974 , 249, 7764-7769	5-4	42
17	Separate Phosphodiesterases for the Hydrolysis of Cyclic Adenosine 3',5'-Monophosphate and Cyclic Guanosine 3',5'-Monophosphate in Rat Liver. <i>Journal of Biological Chemistry</i> , 1973 , 248, 1334-1340	5-4	178
16	Purification and Properties of the Protein Activator of Bovine Heart Cyclic Adenosine 3',5'-Monophosphate Phosphodiesterase. <i>Journal of Biological Chemistry</i> , 1973 , 248, 588-595	5-4	256
15	Molecular cloning of a cyclic GMP-stimulated cyclic nucleotide phosphodiesterase cDNA. Identification and distribution of isozyme variants.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 17655-17661	5-4	85
14	Substrate and effector specificity of a guanosine 3'R5Rmonophosphate phosphodiesterase from rat liver.. <i>Journal of Biological Chemistry</i> , 1977 , 252, 5211-5215	5-4	42
13	Purification and characterization of a cyclic GMP-stimulated cyclic nucleotide phosphodiesterase from bovine tissues.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 1973-1979	5-4	236
12	Cyclic GMP and ion channel regulation. <i>Advances in Second Messenger and Phosphoprotein Research</i> , 1999 , 33, 251-77		20
11	PDE2 Structure and Functions. 2006 ,		2
10	Phosphodiesterase Families. 2003 , 431-435		
9	Comparative Aspects of the Metabolism and Distribution of Cyclic AMP and Cyclic GMP. 1972 , 119-127		
8	POSSIBILITIES FOR DRUG DEVELOPMENT BASED ON THE CYCLIC AMP SYSTEM. 1975 , 133-147		
7	Prostaglandins and Cyclic Nucleotides. 1976 , 435-465		
6	Cardiac Hypertrophy. 1980 , 419-433		1
5	Verhalten der Plasmakonzentrationen von zyklischem Adenosinmonophosphat und zyklischem Guanosinmonophosphat bei standardisierten Anaesthesieverfahren. 1982 , 53-63		
4	Clinical Investigations with Phosphodiesterase Inhibitors. 1990 , 336-346		
3	Multiple Cyclic GMP Binding Proteins Involved in the Regulation of Cardiac Calcium Channels. <i>Developments in Cardiovascular Medicine</i> , 1993 , 61-70		

2 Cyclic Nucleotide Phosphodiesterases: Structural and Functional Aspects. **1999**, 147-173

1 Low Expression of Phosphodiesterase 2 (PDE2A) Promotes the Progression by Regulating Mitochondrial Morphology and ATP Content and Predicts Poor Prognosis in Hepatocellular Carcinoma. **2023**, 12, 68

2