Miles D Houslay

List of Publications by Year
in descending order

212 papers	18,412 citations	10986 71 h-index	13771 129 g-index
214 all docs	214 docs citations	214 times ranked	12335 citing authors

#	Article	IF	Citations
1	Regulation of sensorimotor gating via Disc1/Huntingtin-mediated Bdnf transport in the cortico-striatal circuit. Molecular Psychiatry, 2022, , .	7.9	1
2	The Association of the Long Prostate Cancer Expressed PDE4D Transcripts to Poor Patient Outcome Depends on the Tumourâ€™s TMPRSS2-ERG Fusion Status. Prostate Cancer, 2019, 2019, 1-14.	0.6	8
3	Creating a potential diagnostic for prostate cancer risk stratification (InformMDxâ„¢) by translating novel scientific discoveries concerning cAMP degrading phosphodiesterase-4D7 (PDE4D7). Clinical Science, 2019, 133, 269-286.	4.3	8
4	Small-molecule allosteric activators of PDE4 long form cyclic AMP phosphodiesterases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13320-13329.	7.1	54
5	A high-fat diet promotes depression-like behavior in mice by suppressing hypothalamic PKA signaling. Translational Psychiatry, 2019, 9, 141.	4.8	77
6	Validation of Cyclic Adenosine Monophosphate Phosphodiesterase-4D7 for its Independent Contribution to Risk Stratification in a Prostate Cancer Patient Cohort with Longitudinal Biological Outcomes. European Urology Focus, 2018, 4, 376-384.	3.1	12
7	DISC1 regulates N-methyl-D-aspartate receptor dynamics: abnormalities induced by a Disc1 mutation modelling a translocation linked to major mental illness. Translational Psychiatry, 2018, 8, 184.	4.8	21
8	The Prognostic PDE4D7 Score in a Diagnostic Biopsy Prostate Cancer Patient Cohort with Longitudinal Biological Outcomes. Prostate Cancer, 2018, 2018, 1-11.	0.6	10
9	PDE4. , 2018, , 3834-3840.		0
10	Identification of a multifunctional docking site on the catalytic unit of phosphodiesterase-4 (PDE4) that is utilised by multiple interaction partners. Biochemical Journal, 2017, 474, 597-609.	3.7	27
11	Aggregation of scaffolding protein DISC1 dysregulates phosphodiesterase 4 in Huntingtonâ€™s disease. Journal of Clinical Investigation, 2017, 127, 1438-1450.	8.2	36
12	Sleep deprivation causes memory deficits by negatively impacting neuronal connectivity in hippocampal area CA1. ELife, 2016, 5, .	6.0	191
13	Melanoma, Viagra, and PDE5 Inhibitors: Proliferation and Metastasis. Trends in Cancer, 2016, 2, 163-165.	7.4	6
14	SUMOylation of DISC1: A Potential Role in Neural Progenitor Proliferation in the Developing Cortex. Molecular Neuropsychiatry, 2016, 2, 20-27.	2.9	4
15	Compartmentalized PDE4A5 Signaling Impairs Hippocampal Synaptic Plasticity and Long-Term Memory. Journal of Neuroscience, 2016, 36, 8936-8946.	3.6	52
16	p75 Neurotrophin Receptor Regulates Energy Balance in Obesity. Cell Reports, 2016, 14, 255-268.	6.4	42
17	Human PDE4D isoform composition is deregulated in primary prostate cancer and indicative for disease progression and development of distant metastases. Oncotarget, 2016, 7, 70669-70684.	1.8	21
18	PDE4. , 2016, , 1-7.		0

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19	Dimerization of cAMP phosphodiesterase-4 (PDE4) in living cells requires interfaces located in both the UCR1 and catalytic unit domains. Cellular Signalling, 2015, 27, 756-769.	3.6	34
20	Nuclear pore complex remodeling by p75NTR cleavage controls TGF-Î² signaling and astrocyte functions. Nature Neuroscience, 2015, 18, 1077-1080.	14.8	32
21	The role of ventral striatal cAMP signaling in stress-induced behaviors. Nature Neuroscience, 2015, 18, 1094-1100.	14.8	80
22	PKA phosphorylation of p62/SQSTM1 regulates PB1 domain interaction partner binding. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2765-2774.	4.1	37
23	Heterozygous mutations in cyclic AMP phosphodiesterase-4D (PDE4D) and protein kinase A (PKA) provide new insights into the molecular pathology of acrodysostosis. Cellular Signalling, 2014, 26, 2446-2459.	3.6	56
24	Mitotic activation of the DISC1-inducible cyclic AMP phosphodiesterase-4D9 (PDE4D9), through multi-site phosphorylation, influences cell cycle progression. Cellular Signalling, 2014, 26, 1958-1974.	3.6	33
25	Chemical informatics uncovers a new role for moexipril as a novel inhibitor of cAMP phosphodiesterase-4 (PDE4). Biochemical Pharmacology, 2013, 85, 1297-1305.	4.4	17
26	Phosphodiesterase-8A binds to and regulates Raf-1 kinase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1533-42.	7.1	49
27	Eukaryotic Translation Initiation Factor 3, Subunit a, Regulates the Extracellular Signal-Regulated Kinase Pathway. Molecular and Cellular Biology, 2012, 32, 88-95.	2.3	33
28	PrP. , 2012, , 1488-1488.		0
29	Elucidation of a Structural Basis for the Inhibitor-Driven, p62 (SQSTM1)-Dependent Intracellular Redistribution of cAMP Phosphodiesterase-4A4 (PDE4A4). Journal of Medicinal Chemistry, 2011, 54, 3331-3347.	6.4	34
30	Integrating Cardiac PIP3 and cAMP Signaling through a PKA Anchoring Function of p110Î³. Molecular Cell, 2011, 42, 84-95.	9.7	174
31	Oxygen-Dependent Cleavage of the p75 Neurotrophin Receptor Triggers Stabilization of HIF-1Î±. Molecular Cell, 2011, 44, 476-490.	9.7	58
32	Phosphodiesterase Inhibitors: Factors That Influence Potency, Selectivity, and Action. Handbook of Experimental Pharmacology, 2011, , 47-84.	1.8	48
33	Phosphorylation of cAMP-specific PDE4A5 (phosphodiesterase-4A5) by MK2 (MAPKAPK2) attenuates its activation through protein kinase A phosphorylation. Biochemical Journal, 2011, 435, 755-769.	3.7	63
34	DISC1-dependent switch from progenitor proliferation to migration in the developing cortex. Nature, 2011, 473, 92-96.	27.8	181
35	Hard Times for Oncogenic BRAF-Expressing Melanoma Cells. Cancer Cell, 2011, 19, 3-4.	16.8	15
36	A Phosphodiesterase 3B-based Signaling Complex Integrates Exchange Protein Activated by cAMP 1 and Phosphatidylinositol 3-Kinase Signals in Human Arterial Endothelial Cells. Journal of Biological Chemistry, 2011, 286, 16285-16296.	3.4	46

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37	Small Molecule AKAP-Protein Kinase A (PKA) Interaction Disruptors That Activate PKA Interfere with Compartmentalized cAMP Signaling in Cardiac Myocytes. Journal of Biological Chemistry, 2011, 286, 9079-9096.	3.4	92
38	Interaction between LIS1 and PDE4, and its role in cytoplasmic dynein function. Journal of Cell Science, 2011, 124, 2253-2266.	2.0	35
39	Arresting times for PTEN. EMBO Journal, 2011, 30, 2513-2515.	7.8	1
40	Selective SUMO modification of cAMP-specific phosphodiesterase-4D5 (PDE4D5) regulates the functional consequences of phosphorylation by PKA and ERK. Biochemical Journal, 2010, 428, 55-65.	3.7	35
41	<i>Erythro</i>-9-(2-hydroxy-3-nonyl)adenine (EHNA) blocks differentiation and maintains the expression of pluripotency markers in human embryonic stem cells. Biochemical Journal, 2010, 432, 575-599.	3.7	6
42	Identification and characterization of small-molecule ligands that maintain pluripotency of human embryonic stem cells. Biochemical Society Transactions, 2010, 38, 1058-1061.	3.4	14
43	Underpinning compartmentalised cAMP signalling through targeted cAMP breakdown. Trends in Biochemical Sciences, 2010, 35, 91-100.	7.5	396
44	A Complex between FAK, RACK1, and PDE4D5 Controls Spreading Initiation and Cancer Cell Polarity. Current Biology, 2010, 20, 1086-1092.	3.9	214
45	p62 (SQSTM1) and cyclic AMP phosphodiesterase-4A4 (PDE4A4) locate to a novel, reversible protein aggregate with links to autophagy and proteasome degradation pathways. Cellular Signalling, 2010, 22, 1576-1596.	3.6	37
46	Putting the lid on phosphodiesterase 4. Nature Biotechnology, 2010, 28, 38-40.	17.5	52
47	Disrupted-in-Schizophrenia 1 (DISC1) regulates spines of the glutamate synapse via Rac1. Nature Neuroscience, 2010, 13, 327-332.	14.8	367
48	High-content screening of feeder-free human embryonic stem cells to identify pro-survival small molecules. Biochemical Journal, 2010, 432, 21-35.	3.7	35
49	Cyclic AMP Controls mTOR through Regulation of the Dynamic Interaction between Rheb and Phosphodiesterase 4D. Molecular and Cellular Biology, 2010, 30, 5406-5420.	2.3	65
50	Cross Talk between Phosphatidylinositol 3-Kinase and Cyclic AMP (cAMP)-Protein Kinase A Signaling Pathways at the Level of a Protein Kinase B/Î²-Arrestin/cAMP Phosphodiesterase 4 Complex. Molecular and Cellular Biology, 2010, 30, 1660-1672.	2.3	61
51	Cyclic AMP Phosphodiesterase 4D (PDE4D) Tethers EPAC1 in a Vascular Endothelial Cadherin (VE-Cad)-based Signaling Complex and Controls cAMP-mediated Vascular Permeability. Journal of Biological Chemistry, 2010, 285, 33614-33622.	3.4	81
52	Evolutionarily Conserved Role of Calcineurin in Phosphodegron-Dependent Degradation of Phosphodiesterase 4D. Molecular and Cellular Biology, 2010, 30, 4379-4390.	2.3	26
53	Derivation of Endothelial Cells From Human Embryonic Stem Cells by Directed Differentiation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1389-1397.	2.4	147
54	p62 (SQSTM1) forms part of a novel, reversible aggregate containing a specific conformer of the cAMP degrading phosphodiesterase, PDE4A4. Autophagy, 2010, 6, 1198-1200.	9.1	12

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55	Lentivirus-mediated Reprogramming of Somatic Cells in the Absence of Transgenic Transcription Factors. Molecular Therapy, 2010, 18, 2139-2145.	8.2	32
56	Inferring Signaling Pathway Topologies from Multiple Perturbation Measurements of Specific Biochemical Species. Science Signaling, 2010, 3, ra20.	3.6	101
57	Phosphodiesterase 11A in brain is enriched in ventral hippocampus and deletion causes psychiatric disease-related phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8457-8462.	7.1	78
58	MEK1 Binds Directly to Î²Arrestin1, Influencing Both Its Phosphorylation by ERK and the Timing of Its Isoprenaline-stimulated Internalization. Journal of Biological Chemistry, 2009, 284, 11425-11435.	3.4	65
59	The Cardiac IKs Potassium Channel Macromolecular Complex Includes the Phosphodiesterase PDE4D3. Journal of Biological Chemistry, 2009, 284, 9140-9146.	3.4	118
60	Mdm2 Directs the Ubiquitination of Î²-Arrestin-sequestered cAMP Phosphodiesterase-4D5. Journal of Biological Chemistry, 2009, 284, 16170-16182.	3.4	59
61	Arrestin Times for Developing Antipsychotics and Î²-Blockers. Science Signaling, 2009, 2, pe22.	3.6	7
62	Phosphorylation of RACK1 on Tyrosine 52 by c-Abl Is Required for Insulin-like Growth Factor I-mediated Regulation of Focal Adhesion Kinase. Journal of Biological Chemistry, 2009, 284, 20263-20274.	3.4	89
63	A scanning peptide array approach uncovers association sites within the JNK/Î²arrestin signalling complex. FEBS Letters, 2009, 583, 3310-3316.	2.8	23
64	Sleep deprivation impairs cAMP signalling in the hippocampus. Nature, 2009, 461, 1122-1125.	27.8	339
65	Disrupting specific PDZ domainâ€mediated interactions for therapeutic benefit. British Journal of Pharmacology, 2009, 158, 483-485.	5.4	18
66	Investigation of the alkenyldiarylmethane non-nucleoside reverse transcriptase inhibitors as potential cAMP phosphodiesterase-4B2 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1530-1533.	2.2	5
67	In cardiac myocytes, cAMP elevation triggers the down-regulation of transcripts and promoter activity for cyclic AMP phosphodiesterase-4A10 (PDE4A10). Cellular Signalling, 2008, 20, 2071-2083.	3.6	17
68	Ndel1 alters its conformation by sequestering cAMP-specific phosphodiesterase-4D3 (PDE4D3) in a manner that is dynamically regulated through Protein Kinase A (PKA). Cellular Signalling, 2008, 20, 2356-2369.	3.6	41
69	Constitutive activation of the G-protein subunit GÎ±s within forebrain neurons causes PKA-dependent alterations in fear conditioning and cortical<i>Arc</i>mRNA expression. Learning and Memory, 2008, 15, 75-83.	1.3	35
70	Mutations of Î²-arrestin 2 that limit self-association also interfere with interactions with the Î²2-adrenoceptor and the ERK1/2 MAPKs: implications for Î²2-adrenoceptor signalling via the ERK1/2 MAPKs. Biochemical Journal, 2008, 413, 51-60.	3.7	40
71	EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12791-12796.	7.1	109
72	Tyrosine 302 in RACK1 Is Essential for Insulin-like Growth Factor-I-mediated Competitive Binding of PP2A and Î²1 Integrin and for Tumor Cell Proliferation and Migration. Journal of Biological Chemistry, 2008, 283, 22952-22961.	3.4	67

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73	Protein Kinase A Type I and Type II Define Distinct Intracellular Signaling Compartments. Circulation Research, 2008, 103, 836-844.	4.5	185
74	Human PDE4A8, a novel brain-expressed PDE4 cAMP-specific phosphodiesterase that has undergone rapid evolutionary change. Biochemical Journal, 2008, 411, 361-369.	3.7	26
75	Regulation of a <i>Drosophila melanogaster</i> cGMP-specific phosphodiesterase by prenylation and interaction with a prenyl-binding protein. Biochemical Journal, 2008, 414, 363-374.	3.7	9
76	Structures of the four subfamilies of phosphodiesterase-4 provide insight into the selectivity of their inhibitors. Biochemical Journal, 2007, 408, 193-201.	3.7	100
77	Isoform-Selective Susceptibility of DISC1/Phosphodiesterase-4 Complexes to Dissociation by Elevated Intracellular cAMP Levels. Journal of Neuroscience, 2007, 27, 9513-9524.	3.6	149
78	Constitutive Activation of GÎ±s within Forebrain Neurons Causes Deficits in Sensorimotor Gating Because of PKA-Dependent Decreases in cAMP. Neuropsychopharmacology, 2007, 32, 577-588.	5.4	62
79	cAMP-Specific Phosphodiesterase-4 Enzymes in the Cardiovascular System. Circulation Research, 2007, 100, 950-966.	4.5	283
80	Compartmentalization of cAMP-Dependent Signaling by Phosphodiesterase-4D Is Involved in the Regulation of Vasopressin-Mediated Water Reabsorption in Renal Principal Cells. Journal of the American Society of Nephrology: JASN, 2007, 18, 199-212.	6.1	134
81	Chemoresistant KM12C Colon Cancer Cells Are Addicted to Low Cyclic AMP Levels in a Phosphodiesterase 4â€"Regulated Compartment via Effects on Phosphoinositide 3-Kinase. Cancer Research, 2007, 67, 5248-5257.	0.9	68
82	Dynamic Regulation, Desensitization, and Cross-talk in Discrete Subcellular Microdomains during Î²2-Adrenoceptor and Prostanoid Receptor cAMP Signaling. Journal of Biological Chemistry, 2007, 282, 34235-34249.	3.4	51
83	PDE4B5, a Novel, Super-Short, Brain-Specific cAMP Phosphodiesterase-4 Variant Whose Isoform-Specifying N-Terminal Region Is Identical to That of cAMP Phosphodiesterase-4D6 (PDE4D6). Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 600-609.	2.5	65
84	Mapping binding sites for the PDE4D5 cAMP-specific phosphodiesterase to the N- and C-domains of Î²-arrestin using spot-immobilized peptide arrays. Biochemical Journal, 2007, 404, 71-80.	3.7	88
85	Behavioral Phenotypes of Disc1 Missense Mutations in Mice. Neuron, 2007, 54, 387-402.	8.1	499
86	p75 neurotrophin receptor regulates tissue fibrosis through inhibition of plasminogen activation via a PDE4/cAMP/PKA pathway. Journal of Cell Biology, 2007, 177, 1119-1132.	5.2	116
87	Disrupted in schizophrenia 1 and phosphodiesterase 4B: towards an understanding of psychiatric illness. Journal of Physiology, 2007, 584, 401-405.	2.9	88
88	1H NMR structural and functional characterisation of a cAMP-specific phosphodiesterase-4D5 (PDE4D5) N-terminal region peptide that disrupts PDE4D5 interaction with the signalling scaffold proteins, Î²arrestin and RACK1. Cellular Signalling, 2007, 19, 2612-2624.	3.6	53
89	Reduced PDE4 expression and activity contributes to enhanced catecholamine-induced cAMP accumulation in adipocytes from FOXC2 transgenic mice. FEBS Letters, 2006, 580, 4126-4130.	2.8	20
90	A novel role for a Drosophila homologue of cGMP-specific phosphodiesterase in the active transport of cGMP. Biochemical Journal, 2006, 393, 481-488.	3.7	12

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91	Scanning peptide array analyses identify overlapping binding sites for the signalling scaffold proteins, Î²-arrestin and RACK1, in cAMP-specific phosphodiesterase PDE4D5. Biochemical Journal, 2006, 398, 23-36.	3.7	144
92	Phosphodiesterase-4 influences the PKA phosphorylation status and membrane translocation of G-protein receptor kinase 2 (GRK2) in HEK-293Î²2 cells and cardiac myocytes. Biochemical Journal, 2006, 394, 427-435.	3.7	35
93	Oxidative stress employs phosphatidyl inositol 3-kinase and ERK signalling pathways to activate cAMP phosphodiesterase-4D3 (PDE4D3) through multi-site phosphorylation at Ser239 and Ser579. Cellular Signalling, 2006, 18, 2056-2069.	3.6	40
94	Spatial organisation of AKAP18 and PDE4 isoforms in renal collecting duct principal cells. European Journal of Cell Biology, 2006, 85, 673-678.	3.6	52
95	Hypoxia-induced remodelling of PDE4 isoform expression and cAMP handling in human pulmonary artery smooth muscle cells. European Journal of Cell Biology, 2006, 85, 679-691.	3.6	37
96	A RSK(y) Relationship with Promiscuous PKA. Science Signaling, 2006, 2006, pe32-pe32.	3.6	19
97	Intracellular Targeting of Phosphodiesteraseâ€4 Underpins Compartmentalized cAMP Signaling. Current Topics in Developmental Biology, 2006, 75, 225-259.	2.2	40
98	Helix-1 of the cAMP-specific phosphodiesterase PDE4A1 regulates its phospholipase-D-dependent redistribution in response to release of Ca2+. Journal of Cell Science, 2006, 119, 3799-3810.	2.0	37
99	Compartmentalized Phosphodiesterase-2 Activity Blunts Î²-Adrenergic Cardiac Inotropy via an NO/cGMP-Dependent Pathway. Circulation Research, 2006, 98, 226-234.	4.5	252
100	PGE1 stimulation of HEK293 cells generates multiple contiguous domains with different [cAMP]: role of compartmentalized phosphodiesterases. Journal of Cell Biology, 2006, 175, 441-451.	5.2	171
101	Cellular Functions of PDE4 Enzymes. , 2006, , 99-129.		3
102	Cyclic nucleotide phosphodiesterases in Drosophila melanogaster. Biochemical Journal, 2005, 388, 333-342.	3.7	53
103	Arrestin times for compartmentalised cAMP signalling and phosphodiesterase-4 enzymes. Current Opinion in Cell Biology, 2005, 17, 129-134.	5.4	120
104	In resting COS1 cells a dominant negative approach shows that specific, anchored PDE4 cAMP phosphodiesterase isoforms gate the activation, by basal cyclic AMP production, of AKAP-tethered protein kinase A type II located in the centrosomal region. Cellular Signalling, 2005, 17, 1158-1173.	3.6	102
105	Keynote review: Phosphodiesterase-4 as a therapeutic target. Drug Discovery Today, 2005, 10, 1503-1519.	6.4	604
106	Investigation of Extracellular Signal-Regulated Kinase 2 Mitogen-Activated Protein Kinase Phosphorylation and Regulation of Activity of PDE4 Cyclic Adenosine Monophosphate-Specific Phosphodiesterases. , 2005, 307, 225-238.		12
107	Identification and Characterization of PDE4A11, a Novel, Widely Expressed Long Isoform Encoded by the Human <i>PDE4A</i> cAMP Phosphodiesterase Gene. Molecular Pharmacology, 2005, 67, 1920-1934.	2.3	53
108	RNA Silencing Identifies PDE4D5 as the Functionally Relevant cAMP Phosphodiesterase Interacting with Î²Arrestin to Control the Protein Kinase A/AKAP79-mediated Switching of the Î²2-Adrenergic Receptor to Activation of ERK in HEK293B2 Cells. Journal of Biological Chemistry, 2005, 280, 33178-33189.	3.4	185

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109	The Long and Short of Vascular Smooth Muscle Phosphodiesterase-4 As a Putative Therapeutic Target: Fig. 1.. Molecular Pharmacology, 2005, 68, 563-567.	2.3	26
110	Compartmentalisation of phosphodiesterases and protein kinase A: opposites attract. FEBS Letters, 2005, 579, 3264-3270.	2.8	186
111	DISC1 and PDE4B Are Interacting Genetic Factors in Schizophrenia That Regulate cAMP Signaling. Science, 2005, 310, 1187-1191.	12.6	605
112	Differential expression of PDE4 cAMP phosphodiesterase isoforms in inflammatory cells of smokers with COPD, smokers without COPD, and nonsmokers. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L332-L343.	2.9	100
113	PDE4-regulated cAMP degradation controls the assembly of integrin-dependent actin adhesion structures and REF52 cell migration. Journal of Cell Science, 2004, 117, 2377-2388.	2.0	41
114	The dg2 (for) gene confers a renal phenotype in Drosophila by modulation of cGMP-specific phosphodiesterase. Journal of Experimental Biology, 2004, 207, 2769-2776.	1.7	24
115	Fluorescence Resonance Energy Transferâ€"Based Analysis of cAMP Dynamics in Live Neonatal Rat Cardiac Myocytes Reveals Distinct Functions of Compartmentalized Phosphodiesterases. Circulation Research, 2004, 95, 67-75.	4.5	341
116	Remodelling of the PDE4 cAMP phosphodiesterase isoform profile upon monocyteâ€•macrophage differentiation of human U937 cells. British Journal of Pharmacology, 2004, 142, 339-351.	5.4	81
117	Expression, intracellular distribution and basis for lack of catalytic activity of the PDE4A7 isoform encoded by the human PDE4A cAMP-specific phosphodiesterase gene. Biochemical Journal, 2004, 380, 371-384.	3.7	24
118	Occupancy of the catalytic site of the PDE4A4 cyclic AMP phosphodiesterase by rolipram triggers the dynamic redistribution of this specific isoform in living cells through a cyclic AMP independent process. Cellular Signalling, 2003, 15, 955-971.	3.6	37
119	The Unique Amino-terminal Region of the PDE4D5 cAMP Phosphodiesterase Isoform Confers Preferential Interaction with Î²-Arrestins. Journal of Biological Chemistry, 2003, 278, 49230-49238.	3.4	97
120	Attenuation of the Activity of the cAMP-specific Phosphodiesterase PDE4A5 by Interaction with the Immunophilin XAP2. Journal of Biological Chemistry, 2003, 278, 33351-33363.	3.4	149
121	Â-Arrestin-mediated PDE4 cAMP phosphodiesterase recruitment regulates Â-adrenoceptor switching from Gs to Gi. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 940-945.	7.1	356
122	PDE4 cAMP phosphodiesterases: modular enzymes that orchestrate signalling cross-talk, desensitization and compartmentalization. Biochemical Journal, 2003, 370, 1-18.	3.7	723
123	Molecular cloning and subcellular distribution of the novel PDE4B4 cAMP-specific phosphodiesterase isoform. Biochemical Journal, 2003, 370, 429-438.	3.7	52
124	Phosphorylation-dependent Interactions between ADAM15 Cytoplasmic Domain and Src Family Protein-tyrosine Kinases. Journal of Biological Chemistry, 2002, 277, 4999-5007.	3.4	108
125	Cyclic AMP-dependent Transcriptional Up-regulation of Phosphodiesterase 4D5 in Human Airway Smooth Muscle Cells. Journal of Biological Chemistry, 2002, 277, 35980-35989.	3.4	91
126	TAPAS-1, a Novel Microdomain within the Unique N-terminal Region of the PDE4A1 cAMP-specific Phosphodiesterase That Allows Rapid, Ca2+-triggered Membrane Association with Selectivity for Interaction with Phosphatidic Acid. Journal of Biological Chemistry, 2002, 277, 28298-28309.	3.4	145

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128	Targeting of Cyclic AMP Degradation to beta 2-Adrenergic Receptors by beta -Arrestins. Science, 2002, 298, 834-836.	12.6	476
129	In addition to the SH3 binding region, multiple regions within the N-terminal noncatalytic portion of the cAMP-specific phosphodiesterase, PDE4A5, contribute to its intracellular targeting. Cellular Signalling, 2002, 14, 453-465.	3.6	44
130	Delineation of RAID1, the RACK1 interaction domain located within the unique N-terminal region of the cAMP-specific phosphodiesterase, PDE4D5. BMC Biochemistry, 2002, 3, 24.	4.4	38
131	Long PDE4 cAMP specific phosphodiesterases are activated by protein kinase A-mediated phosphorylation of a single serine residue in Upstream Conserved Region 1 (UCR1). British Journal of Pharmacology, 2002, 136, 421-433.	5.4	229
132	Phorbol 12-myristate 13-acetate Triggers the Protein Kinase A-Mediated Phosphorylation and Activation of the PDE4D5 cAMP Phosphodiesterase in Human Aortic Smooth Muscle Cells through a Route Involving Extracellular Signal Regulated Kinase (ERK). Molecular Pharmacology, 2001, 60, 1100-1111.	2.3	71
133	Molecular Cloning, Genomic Positioning, Promoter Identification, and Characterization of the Novel Cyclic AMP-Specific Phosphodiesterase PDE4A10. Molecular Pharmacology, 2001, 59, 996-1011.	2.3	70
134	Discriminative stimulus effects of the type-4 phosphodiesterase inhibitor rolipram in rats. Psychopharmacology, 2001, 158, 297-304.	3.1	6
135	Identification of a surface on the Î²-propeller protein RACK1 that interacts with the cAMP-specific phosphodiesterase PDE4D5. Cellular Signalling, 2001, 13, 507-513.	3.6	63
136	The novel long PDE4A10 cyclic AMP phosphodiesterase shows a pattern of expression within brain that is distinct from the long PDE4A5 and short PDE4A1 isoforms. Cellular Signalling, 2001, 13, 911-918.	3.6	44
137	PDE4 cAMP-specific phosphodiesterases. Progress in Molecular Biology and Translational Science, 2001, 69, 249-315.	1.9	215
138	Surgically Induced Cryptorchidism-Related Degenerative Changes in Spermatogonia Are Associated with Loss of Cyclic Adenosine Monophosphate-Dependent Phosphodiesterases Type 4 in Abdominal Testes of Rats. Biology of Reproduction, 2001, 64, 1583-1589.	2.7	23
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140	Action of rolipram on specific PDE4 cAMP phosphodiesterase isoforms and on the phosphorylation of cAMP-response-element-binding protein (CREB) and p38 mitogen-activated protein (MAP) kinase in U937 monocytic cells. Biochemical Journal, 2000, 347, 571-578.	3.7	127
141	Sub-family selective actions in the ability of Erk2 MAP kinase to phosphorylate and regulate the activity of PDE4 cyclic AMP-specific phosphodiesterases. British Journal of Pharmacology, 2000, 131, 811-819.	5.4	146
142	UCR1 and UCR2 Domains Unique to the cAMP-specific Phosphodiesterase Family Form a Discrete Module via Electrostatic Interactions. Journal of Biological Chemistry, 2000, 275, 10349-10358.	3.4	104
143	The cAMP-specific Phosphodiesterase PDE4A5 Is Cleaved Downstream of Its SH3 Interaction Domain by Caspase-3. Journal of Biological Chemistry, 2000, 275, 28063-28074.	3.4	45
144	Cell-Type Specific Integration of Cross-Talk between Extracellular Signal-Regulated Kinase and cAMP Signaling. Molecular Pharmacology, 2000, 58, 659-668.	2.3	187

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146	ERK2 Mitogen-activated Protein Kinase Binding, Phosphorylation, and Regulation of the PDE4D cAMP-specific Phosphodiesterases. Journal of Biological Chemistry, 2000, 275, 16609-16617.	3.4	215
147	Use of an activation-specific probe to show that Rap1A and Rap1B display different sensitivities to activation by forskolin in Rat1 cells. FEBS Letters, 2000, 477, 213-218.	2.8	12
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