Wito Richter

List of Publications by Citations

34 papers	1,781 citations	16 h-index	39 g-index
39 ext. papers	1,982 ext. citations	6.1 avg, IF	4.21 L-index

#	Paper	IF	Citations
34	Phosphodiesterase 4D deficiency in the ryanodine-receptor complex promotes heart failure and arrhythmias. *Cell*, **2005**, 123, 25-35	56.2	401
33	Cyclic AMP-specific PDE4 phosphodiesterases as critical components of cyclic AMP signaling. *Journal of Biological Chemistry*, **2003**, 278, 5493-6	5.4	378
32	Signaling from beta1- and beta2-adrenergic receptors is defined by differential interactions with PDE4. *EMBO Journal*, **2008**, 27, 384-93	13	134
31	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D are differentially expressed and regulated in rat tissue. *Biochemical Journal*, **2005**, 388, 803-11	3.8	113
30	Conserved expression and functions of PDE4 in rodent and human heart. *Basic Research in Cardiology*, **2011**, 106, 249-62	11.8	90
29	PDE4 as a target for cognition enhancement. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 1011-27	6.4	84
28	Dimerization of the type 4 cAMP-specific phosphodiesterases is mediated by the upstream conserved regions (UCRs). *Journal of Biological Chemistry*, **2002**, 277, 40212-21	5.4	79
27	Dynamic regulation of cystic fibrosis transmembrane conductance regulator by competitive interactions of molecular adaptors. *Journal of Biological Chemistry*, **2007**, 282, 10414-22	5.4	77
26	Phosphoinositide 3-kinase protects against catecholamine-induced ventricular arrhythmia through protein kinase A-mediated regulation of distinct phosphodiesterases. *Circulation*, **2012**, 126, 2073-83	16.7	60
25	The oligomerization state determines regulatory properties and inhibitor sensitivity of type 4 cAMP-specific phosphodiesterases. *Journal of Biological Chemistry*, **2004**, 279, 30338-48	5.4	60
24	3d5dCyclic nucleotide phosphodiesterases class III: members, structure, and catalytic mechanism. *Proteins: Structure, Function and Bioinformatics*, **2002**, 46, 278-86	4.2	57
23	Inactivation of multidrug resistance proteins disrupts both cellular extrusion and intracellular degradation of cAMP. *Molecular Pharmacology*, **2011**, 80, 281-93	4.3	39
22	Critical role of PDE4D in beta2-adrenoceptor-dependent cAMP signaling in mouse embryonic fibroblasts. *Journal of Biological Chemistry*, **2008**, 283, 22430-42	5.4	38
21	Anchored PDE4 regulates chloride conductance in wild-type and 508-CFTR human airway epithelia. *FASEB Journal*, **2014**, 28, 791-801	0.9	26
20	The upstream conserved regions (UCRs) mediate homo- and hetero-oligomerization of type 4 cyclic nucleotide phosphodiesterases (PDE4s). *Biochemical Journal*, **2014**, 459, 539-50	3.8	20
19	Identification of inhibitor binding sites of the cAMP-specific phosphodiesterase 4. *Cellular Signalling*, **2001**, 13, 287-97	4.9	20
18	-adrenergic receptor antagonists signal via PDE4 translocation. *EMBO Reports*, **2013**, 14, 276-83	6.5	16

17	Refolding, purification, and characterization of human recombinant PDE4A constructs expressed in Escherichia coli. *Protein Expression and Purification*, **2000**, 19, 375-83	2	14
16	Identification of substrate specificity determinants in human cAMP-specific phosphodiesterase 4A by single-point mutagenesis. *Cellular Signalling*, **2001**, 13, 159-67	4.9	13
15	Refolding and purification of recombinant human PDE7A expressed in Escherichia coli as inclusion bodies. *Protein Expression and Purification*, **2002**, 25, 138-48	2	10
14	Exoenzyme Y Contributes to End-Organ Dysfunction Caused by Pneumonia in Critically Ill Patients: An Exploratory Study. *Toxins*, **2020**, 12,	4.9	9
13	Estimating the magnitude of near-membrane PDE4 activity in living cells. *American Journal of Physiology - Cell Physiology*, **2015**, 309, C415-24	5.4	8
12	PAN-selective inhibition of cAMP-phosphodiesterase 4 (PDE4) induces gastroparesis in mice. *FASEB Journal*, **2020**, 34, 12533-12548	0.9	8
11	Inhibition of type 4 cAMP-phosphodiesterases (PDE4s) in mice induces hypothermia via effects on behavioral and central autonomous thermoregulation. *Biochemical Pharmacology*, **2020**, 180, 114158	6	7
10	Determining the subunit structure of phosphodiesterases using gel filtration and sucrose density gradient centrifugation. *Methods in Molecular Biology*, **2005**, 307, 167-80	1.4	5
9	Insights into the Physiological Functions of PDE4 from Knockout Mice **2006**, 323-346		5
8	Inhibition of cAMP-phosphodiesterase 4 (PDE4) potentiates the anesthetic effects of Isoflurane in mice. *Biochemical Pharmacology*, **2021**, 186, 114477	6	4
7	Phosphodiesterases and Cyclic Nucleotide Signaling In The CNS **2014**, 1-46		2
6	Renaturation of the catalytic domain of PDE4A expressed in Escherichia coli as inclusion bodies. *Methods in Molecular Biology*, **2005**, 307, 155-65	1.4	1
5	The cAMP-phosphodiesterase 4 (PDE4) controls β-adrenoceptor- and CFTR-dependent saliva secretion in mice. *Biochemical Journal*, **2021**, 478, 1891-1906	3.8	1
4	Ablation of PDE4B protects from Pseudomonas aeruginosa-induced acute lung injury in mice by ameliorating the cytostorm and associated hypothermia. *FASEB Journal*, **2021**, 35, e21797	0.9	1
3	A PI3Kγ-mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases.. *Science Translational Medicine*, **2022**, 14, eabl6328	17.5	0
2	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D exhibit distinct enzymatic properties and are differentially expressed and regulated in cardiac myocytes. *FASEB Journal*, **2006**, 20, A543	0.9	
1	Anchored PDE4 controls CFTR conductance in normal and cystic fibrosis airway epithelia (1181.3). *FASEB Journal*, **2014**, 28, 1181.3	0.9	