

# Wito Richter

## List of Publications by Year in Descending Order

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

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	A PI3K-mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabl6328	17.5	0
33	Inhibition of cAMP-phosphodiesterase 4 (PDE4) potentiates the anesthetic effects of Isoflurane in mice. <i>Biochemical Pharmacology</i> , <b>2021</b> , 186, 114477	6	4
32	The cAMP-phosphodiesterase 4 (PDE4) controls $\beta$ -adrenoceptor- and CFTR-dependent saliva secretion in mice. <i>Biochemical Journal</i> , <b>2021</b> , 478, 1891-1906	3.8	1
31	Ablation of PDE4B protects from Pseudomonas aeruginosa-induced acute lung injury in mice by ameliorating the cytostorm and associated hypothermia. <i>FASEB Journal</i> , <b>2021</b> , 35, e21797	0.9	1
30	Exoenzyme Y Contributes to End-Organ Dysfunction Caused by Pneumonia in Critically Ill Patients: An Exploratory Study. <i>Toxins</i> , <b>2020</b> , 12,	4.9	9
29	PAN-selective inhibition of cAMP-phosphodiesterase 4 (PDE4) induces gastroparesis in mice. <i>FASEB Journal</i> , <b>2020</b> , 34, 12533-12548	0.9	8
28	Inhibition of type 4 cAMP-phosphodiesterases (PDE4s) in mice induces hypothermia via effects on behavioral and central autonomous thermoregulation. <i>Biochemical Pharmacology</i> , <b>2020</b> , 180, 114158	6	7
27	Estimating the magnitude of near-membrane PDE4 activity in living cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 309, C415-24	5.4	8
26	Phosphodiesterases and Cyclic Nucleotide Signaling In The CNS <b>2014</b> , 1-46		2
25	Anchored PDE4 regulates chloride conductance in wild-type and $\beta$ 508-CFTR human airway epithelia. <i>FASEB Journal</i> , <b>2014</b> , 28, 791-801	0.9	26
24	The upstream conserved regions (UCRs) mediate homo- and hetero-oligomerization of type 4 cyclic nucleotide phosphodiesterases (PDE4s). <i>Biochemical Journal</i> , <b>2014</b> , 459, 539-50	3.8	20
23	Anchored PDE4 controls CFTR conductance in normal and cystic fibrosis airway epithelia (1181.3). <i>FASEB Journal</i> , <b>2014</b> , 28, 1181.3	0.9	
22	PDE4 as a target for cognition enhancement. <i>Expert Opinion on Therapeutic Targets</i> , <b>2013</b> , 17, 1011-27	6.4	84
21	$\beta$ -adrenergic receptor antagonists signal via PDE4 translocation. <i>EMBO Reports</i> , <b>2013</b> , 14, 276-83	6.5	16
20	Phosphoinositide 3-kinase $\beta$ protects against catecholamine-induced ventricular arrhythmia through protein kinase A-mediated regulation of distinct phosphodiesterases. <i>Circulation</i> , <b>2012</b> , 126, 2073-83	16.7	60
19	Conserved expression and functions of PDE4 in rodent and human heart. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 249-62	11.8	90
18	Inactivation of multidrug resistance proteins disrupts both cellular extrusion and intracellular degradation of cAMP. <i>Molecular Pharmacology</i> , <b>2011</b> , 80, 281-93	4.3	39

17	Signaling from beta1- and beta2-adrenergic receptors is defined by differential interactions with PDE4. <i>EMBO Journal</i> , <b>2008</b> , 27, 384-93	13	134
16	Critical role of PDE4D in beta2-adrenoceptor-dependent cAMP signaling in mouse embryonic fibroblasts. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 22430-42	5.4	38
15	Dynamic regulation of cystic fibrosis transmembrane conductance regulator by competitive interactions of molecular adaptors. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 10414-22	5.4	77
14	Insights into the Physiological Functions of PDE4 from Knockout Mice <b>2006</b> , 323-346		5
13	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D exhibit distinct enzymatic properties and are differentially expressed and regulated in cardiac myocytes. <i>FASEB Journal</i> , <b>2006</b> , 20, A543	0.9	
12	Determining the subunit structure of phosphodiesterases using gel filtration and sucrose density gradient centrifugation. <i>Methods in Molecular Biology</i> , <b>2005</b> , 307, 167-80	1.4	5
11	Phosphodiesterase 4D deficiency in the ryanodine-receptor complex promotes heart failure and arrhythmias. <i>Cell</i> , <b>2005</b> , 123, 25-35	56.2	401
10	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D are differentially expressed and regulated in rat tissue. <i>Biochemical Journal</i> , <b>2005</b> , 388, 803-11	3.8	113
9	Renaturation of the catalytic domain of PDE4A expressed in Escherichia coli as inclusion bodies. <i>Methods in Molecular Biology</i> , <b>2005</b> , 307, 155-65	1.4	1
8	The oligomerization state determines regulatory properties and inhibitor sensitivity of type 4 cAMP-specific phosphodiesterases. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 30338-48	5.4	60
7	Cyclic AMP-specific PDE4 phosphodiesterases as critical components of cyclic AMP signaling. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 5493-6	5.4	378
6	3d5dCyclic nucleotide phosphodiesterases class III: members, structure, and catalytic mechanism. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2002</b> , 46, 278-86	4.2	57
5	Dimerization of the type 4 cAMP-specific phosphodiesterases is mediated by the upstream conserved regions (UCRs). <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 40212-21	5.4	79
4	Refolding and purification of recombinant human PDE7A expressed in Escherichia coli as inclusion bodies. <i>Protein Expression and Purification</i> , <b>2002</b> , 25, 138-48	2	10
3	Identification of substrate specificity determinants in human cAMP-specific phosphodiesterase 4A by single-point mutagenesis. <i>Cellular Signalling</i> , <b>2001</b> , 13, 159-67	4.9	13
2	Identification of inhibitor binding sites of the cAMP-specific phosphodiesterase 4. <i>Cellular Signalling</i> , <b>2001</b> , 13, 287-97	4.9	20
1	Refolding, purification, and characterization of human recombinant PDE4A constructs expressed in Escherichia coli. <i>Protein Expression and Purification</i> , <b>2000</b> , 19, 375-83	2	14