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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.

40 papers	1,239 citations	17 h-index	35 g-index
42 ext. papers	1,377 ext. citations	4.7 avg, IF	3.51 L-index

#	Paper	IF	Citations
40	Androgens regulate phosphodiesterase type 5 expression and functional activity in corpora cavernosa. <i>Endocrinology</i> , 2004 , 145, 2253-63	4.8	289
39	A critical role of the nitric oxide/cGMP pathway in corticostriatal long-term depression. <i>Journal of Neuroscience</i> , 1999 , 19, 2489-99	6.6	202
38	Type 5 phosphodiesterase expression in the human vagina. <i>Urology</i> , 2002 , 60, 191-5	1.6	125
37	Expression of cGMP-binding cGMP-specific phosphodiesterase (PDE5) in mouse tissues and cell lines using an antibody against the enzyme amino-terminal domain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001 , 1539, 16-27	4.9	93
36	Down-regulation of nitrgergic transmission in the rat striatum after chronic nigrostriatal deafferentation. <i>European Journal of Neuroscience</i> , 2004 , 20, 989-1000	3.5	64
35	Phosphorylation of ankyrin down-regulates its cooperative interaction with spectrin and protein 3. <i>Journal of Cellular Biochemistry</i> , 1988 , 37, 301-15	4.7	61
34	The induction of cyclic nucleotide phosphodiesterase 4 gene (PDE4D) impairs memory in a water maze task. <i>Behavioural Brain Research</i> , 2004 , 154, 99-106	3.4	43
33	Subcellular localization and regulation of type-1C and type-5 phosphodiesterases. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 341, 837-46	3.4	39
32	Immunohistochemical localisation of PDE5 in Leydig and myoid cells of prepuberal and adult rat testis. <i>Histochemistry and Cell Biology</i> , 2005 , 124, 401-7	2.4	34
31	Spectrin oligomerization is cooperatively coupled to membrane assembly: a linkage targeted by many hereditary hemolytic anemias?. <i>Experimental and Molecular Pathology</i> , 2001 , 70, 215-30	4.4	29
30	Phosphodiesterase 10A controls D1-mediated facilitation of GABA release from striato-nigral projections under normal and dopamine-depleted conditions. <i>Neuropharmacology</i> , 2014 , 76 Pt A, 127-36	5.5	24
29	Phosphodiesterase Inhibitors: Could They Be Beneficial for the Treatment of COVID-19?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
28	Levodopa-induced dyskinesias are associated with transient down-regulation of cAMP and cGMP in the caudate-putamen of hemiparkinsonian rats: reduced synthesis or increased catabolism?. <i>Neurochemistry International</i> , 2014 , 79, 44-56	4.4	21
27	Regulation of phosphodiesterase 5 expression and activity in human pregnant and non-pregnant myometrial cells by human chorionic gonadotropin. <i>Journal of the Society for Gynecologic Investigation</i> , 2005 , 12, 570-7		20
26	Aflatoxin B1 is an inhibitor of cyclic nucleotide phosphodiesterase activity. <i>General Pharmacology</i> , 1999 , 32, 615-9		18
25	Increase of Intracellular Cyclic AMP by PDE4 Inhibitors Affects HepG2 Cell Cycle Progression and Survival. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 1401-1411	4.7	17
24	Targeting Cyclic AMP Signalling in Hepatocellular Carcinoma. <i>Cells</i> , 2019 , 8,	7.9	17

23	Identification of murine phosphodiesterase 5A isoforms and their functional characterization in HL-1 cardiac cell line. <i>Journal of Cellular Physiology</i> , 2018 , 233, 325-337	7	14
22	Phosphodiesterase-10A Inverse Changes in Striatopallidal and Striatoentopeduncular Pathways of a Transgenic Mouse Model of Dystonia. <i>Journal of Neuroscience</i> , 2017 , 37, 2112-2124	6.6	13
21	Gene expression and protein localization of calmodulin-dependent phosphodiesterase in adult rat retina. <i>Journal of Neuroscience Research</i> , 2006 , 84, 1020-6	4.4	13
20	Characterization of 3 β H-cyclic nucleotide phosphodiesterase activities of mouse neuroblastoma N18TG2 cells. <i>FEBS Letters</i> , 1993 , 324, 76-80	3.8	12
19	Differential expression and localization of calmodulin-dependent phosphodiesterase genes during ontogenesis of chick dorsal root ganglion. <i>Journal of Neurochemistry</i> , 2002 , 80, 970-9	6	10
18	Purification and characterization of a low-Km 3 β H-cyclic adenosine phosphodiesterase from post-meiotic male mouse germ cells. <i>BBA - Proteins and Proteomics</i> , 1992 , 1121, 178-82		9
17	Immunohistochemical localisation of PDE5 in rat lung during pre- and postnatal development. <i>Journal of Biomedicine and Biotechnology</i> , 2009 , 2009, 932961		6
16	Induction of cyclic AMP and cyclic GMP 3 β H-cyclic nucleotide phosphodiesterase activities in neuroblastoma lines under differentiating conditions. <i>International Journal of Developmental Neuroscience</i> , 1997 , 15, 309-19	2.7	5
15	Phosphodiesterase specific inhibitors control cell growth of a human neuroepithelioma cell line. <i>Journal of Neuro-Oncology</i> , 1997 , 31, 123-7	4.8	5
14	Expression of PDE5 splice variants during ontogenesis of chick dorsal root ganglia. <i>Journal of Neuroscience Research</i> , 2004 , 78, 815-23	4.4	5
13	Zaprinast impairs spatial memory by increasing PDE5 expression in the rat hippocampus. <i>Behavioural Brain Research</i> , 2015 , 278, 129-36	3.4	4
12	In vitro and in vivo inhibition of SK-N-MC neuroblastoma growth using cyclic nucleotide phosphodiesterase inhibitors. <i>Journal of Neuro-Oncology</i> , 2001 , 51, 25-31	4.8	4
11	Fluorometric detection of protein-ligand engagement: The case of phosphodiesterase5. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 335-342	3.5	4
10	Use of the KIADH3 promoter for the quantitative production of the murine PDE5A isoforms in the yeast <i>Kluyveromyces lactis</i> . <i>Microbial Cell Factories</i> , 2017 , 16, 159	6.4	3
9	Gene expression and protein localization of calmodulin-dependent phosphodiesterase during ontogenesis of chick retina. <i>Journal of Neuroscience Research</i> , 2008 , 86, 1017-23	4.4	3
8	Dystonia: Sparse Synapses for D2 Receptors in Striatum of a DYT1 Knock-out Mouse Model. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
7	The oligomeric assembly of the phosphodiesterase-5 is a mixture of dimers and tetramers: A putative role in the regulation of function. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2183-2190	4	2
6	A2A Receptor Dysregulation in Dystonia DYT1 Knock-Out Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

5	Metabolic role of cGMP in <i>S. cerevisiae</i> : the murine phosphodiesterase-5 activity affects yeast cell proliferation by altering the cAMP/cGMP equilibrium. <i>FEMS Yeast Research</i> , 2019 , 19,	3.1	1
4	Calmodulin-dependent cyclic nucleotide phosphodiesterase in adult and developing chick spinal cord. <i>Journal of Neuroscience Research</i> , 1997 , 49, 186-196	4.4	1
3	Cholinesterase evaluation in the prenatal diagnosis of open neural tube defects. <i>Research in Clinic and Laboratory</i> , 1985 , 15, 53-62		1
2	Phosphodiesterases Expression during Murine Cardiac Development. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
1	Phosphodiesterase 2A inhibition corrects the aberrant behavioral traits observed in genetic and environmental preclinical models of Autism Spectrum Disorder.. <i>Translational Psychiatry</i> , 2022 , 12, 119	8.6	0