Wiljan Jaj Hendriks

List of Publications by Year
in descending order

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102 papers	5,966 citations	81900 39 h-index	74163 75 g-index
103 all docs	103 docs citations	103 times ranked	6404 citing authors

#	Article	IF	Citations
1	PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics, 2020, 10, 1016-1032.	10.0	11
2	Isocitrate dehydrogenase 1â€“mutated human gliomas depend on lactate and glutamate to alleviate metabolic stress. FASEB Journal, 2019, 33, 557-571.	0.5	33
3	Cell migration through three-dimensional confining pores: speed accelerations by deformation and recoil of the nucleus. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180225.	4.0	62
4	Certainty-based marking in a formative assessment improves student course appreciation but not summative examination scores. BMC Medical Education, 2019, 19, 178.	2.4	6
5	Proteinaceous Regulators and Inhibitors of Protein Tyrosine Phosphatases. Molecules, 2018, 23, 395.	3.8	21
6	Psoriasis-Associated Late Cornified Envelope (LCE) Proteins Have AntibacterialÂActivity. Journal of Investigative Dermatology, 2017, 137, 2380-2388.	0.7	53
7	Selective MET Kinase Inhibition in MET-Dependent Glioma Models Alters Gene Expression and Induces Tumor Plasticity. Molecular Cancer Research, 2017, 15, 1587-1597.	3.4	12
8	One-Tube-Only Standardized Site-Directed Mutagenesis: An Alternative Approach to Generate Amino Acid Substitution Collections. PLoS ONE, 2016, 11, e0160972.	2.5	14
9	Late cornified envelope (LCE) proteins: distinct expression patterns of LCE2 and LCE3 members suggest nonredundant roles in human epidermis and other epithelia. British Journal of Dermatology, 2016, 174, 795-802.	1.5	18
10	Tailor-Made Protein Tyrosine Phosphatases: In Vitro Site-Directed Mutagenesis of PTEN and PTPRZ-B. Methods in Molecular Biology, 2016, 1447, 79-93.	0.9	7
11	Identification of a novel inactivating mutation in Isocitrate Dehydrogenase 1 (IDH1-R314C) in a high grade astrocytoma. Scientific Reports, 2016, 6, 30486.	3.3	11
12	Comprehensive protein tyrosine phosphatase mRNA profiling identifies new regulators in the progression of glioma. Acta Neuropathologica Communications, 2016, 4, 96.	5.2	22
13	Protein tyrosine phosphatase receptor type R is required for Purkinje cell responsiveness in cerebellar long-term depression. Molecular Brain, 2015, 8, 1.	2.6	53
14	Protein Tyrosine Phosphatase PTPRS Is an Inhibitory Receptor on Human and Murine Plasmacytoid Dendritic Cells. Immunity, 2015, 43, 277-288.	14.3	47
15	Identification of a novel MET mutation in high-grade glioma resulting in an auto-active intracellular protein. Acta Neuropathologica, 2015, 130, 131-144.	7.7	43
16	PTENâ€“PDZ domain interactions: Binding of PTEN to PDZ domains of PTPN13. Methods, 2015, 77-78, 147-156.	3.8	31
17	Analysis of protein-protein interaction between late cornified envelope proteins and corneodesmosin. Experimental Dermatology, 2014, 23, 769-771.	2.9	7
18	Protein tyrosine phosphatase receptor type R deficient mice exhibit increased exploration in a new environment and impaired novel object recognition memory. Behavioural Brain Research, 2014, 265, 111-120.	2.2	6

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19	Intracellular and extracellular domains of protein tyrosine phosphatase PTPRZ-B differentially regulate glioma cell growth and motility. Oncotarget, 2014, 5, 8690-8702.	1.8	28
20	Protein tyrosine phosphatase variants in human hereditary disorders and disease susceptibilities. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1673-1696.	3.8	90
21	PTPs emerge as PIPs: protein tyrosine phosphatases with lipid-phosphatase activities in human disease. Human Molecular Genetics, 2013, 22, R66-R76.	2.9	31
22	Valosin containing protein (VCP/p97) is a novel substrate for the protein tyrosine phosphatase PTPL1. Experimental Cell Research, 2013, 319, 1-11.	2.6	10
23	Protein tyrosine phosphatases in health and disease. FEBS Journal, 2013, 280, 708-730.	4.7	139
24	Inactivation of LAR family phosphatase genesPtprsandPtprfcauses craniofacial malformations resembling Pierre-Robin sequence. Development (Cambridge), 2013, 140, 3413-3422.	2.5	30
25	Effects of Dual Targeting of Tumor Cells and Stroma in Human Glioblastoma Xenografts with a Tyrosine Kinase Inhibitor against c-MET and VEGFR2. PLoS ONE, 2013, 8, e58262.	2.5	70
26	Phosphorylation target site specificity for AGC kinases DMPK E and lats2. Journal of Cellular Biochemistry, 2012, 113, 2126-2135.	2.6	1
27	Gene duplication and conversion events shaped three homologous, differentially expressed myosin regulatory light chain (MLC2) genes. European Journal of Cell Biology, 2012, 91, 629-639.	3.6	10
28	PTPBR7 Binding Proteins in Myelinating Neurons of the Mouse Brain. International Journal of Biological Sciences, 2011, 7, 978-991.	6.4	5
29	The LAR protein tyrosine phosphatase enables PDGF Î²-receptor activation through attenuation of the c-Abl kinase activity. Cellular Signalling, 2011, 23, 1050-1056.	3.6	13
30	Protein tyrosine phosphatases in glioma biology. Acta Neuropathologica, 2010, 119, 157-175.	7.7	61
31	The cystatin M/Eâ€cathepsin L balance is essential for tissue homeostasis in epidermis, hair follicles, and cornea. FASEB Journal, 2010, 24, 3744-3755.	0.5	37
32	PTPRR Protein Tyrosine Phosphatase Isoforms and Locomotion of Vesicles and Mice. Cerebellum, 2009, 8, 80-88.	2.5	36
33	Impaired PTPN13 phosphatase activity in spontaneous or HPV-induced squamous cell carcinomas potentiates oncogene signaling through the MAP kinase pathway. Oncogene, 2009, 28, 3960-3970.	5.9	67
34	Downregulation of protein tyrosine phosphatase PTP-BL represses adipogenesis. International Journal of Biochemistry and Cell Biology, 2009, 41, 2173-2180.	2.8	23
35	Maturation of ureter-bladder connection in mice is controlled by LAR family receptor protein tyrosine phosphatases. Journal of Clinical Investigation, 2009, 119, 924-35.	8.2	54
36	Protein tyrosine phosphatases: sequences and beyond. FEBS Journal, 2008, 275, 815-815.	4.7	4

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37	Protein tyrosine phosphatases: functional inferences from mouse models and human diseases. FEBS Journal, 2008, 275, 816-830.	4.7	64
38	Multimerisation of receptor-type protein tyrosine phosphatases PTPBR7 and PTP-SL attenuates enzymatic activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 275-286.	4.1	10
39	The PDZ Binding Motif of Human Papillomavirus Type 16 E6 Induces PTPN13 Loss, Which Allows Anchorage-Independent Growth and Synergizes with Ras for Invasive Growth. Journal of Virology, 2008, 82, 2493-2500.	3.4	116
40	The FERM and PDZ Domain-Containing Protein Tyrosine Phosphatases, PTPN4 and PTPN3, Are Both Dispensable for T Cell Receptor Signal Transduction. PLoS ONE, 2008, 3, e4014.	2.5	26
41	An Allosteric Intramolecular PDZâ^'PDZ Interaction Modulates PTP-BL PDZ2 Binding Specificity. Biochemistry, 2007, 46, 13629-13637.	2.5	56
42	Proteolytic processing of the receptor-type protein tyrosine phosphatase PTPBR7. FEBS Journal, 2007, 274, 96-108.	4.7	10
43	Tyrosine-specific MAPK phosphatases and the control of ERK signaling in PC12 cells. Journal of Molecular Signaling, 2006, 1, 4.	0.5	15
44	Altered MAP kinase phosphorylation and impaired motor coordination in PTPRR deficient mice. Journal of Neurochemistry, 2006, 101, 829-840.	3.9	32
45	Effects of LAR and PTP-BL phosphatase deficiency on adult mouse retinal cells activated by lens injury. European Journal of Neuroscience, 2005, 21, 2375-2383.	2.6	23
46	Redox-regulated affinity of the third PDZ domain in the phosphotyrosine phosphatase PTP-BL for cysteine-containing target peptides. FEBS Journal, 2005, 272, 3306-3316.	4.7	11
47	Subcellular Localization and Differentiation-Induced Redistribution of the Protein Tyrosine Phosphatase PTP-BL in Neuroblastoma Cells. Cellular and Molecular Neurobiology, 2005, 25, 1225-1244.	3.3	4
48	ERK2 Shows a Restrictive and Locally Selective Mechanism of Recognition by Its Tyrosine Phosphatase Inactivators Not Shared by Its Activator MEK1. Journal of Biological Chemistry, 2005, 280, 37885-37894.	3.4	22
49	Mild impairment of motor nerve repair in mice lacking PTP-BL tyrosine phosphatase activity. Physiological Genomics, 2004, 19, 50-60.	2.3	36
50	Targeted Disruption of the IA-2Â Gene Causes Glucose Intolerance and Impairs Insulin Secretion but Does Not Prevent the Development of Diabetes in NOD Mice. Diabetes, 2004, 53, 1684-1691.	0.6	78
51	Characterization of multiple transcripts and isoforms derived from the mouse protein tyrosine phosphatase genePtprr. Genes To Cells, 2004, 9, 919-933.	1.2	25
52	A Closed Binding Pocket and Global Destabilization Modify the Binding Properties of an Alternatively Spliced Form of the Second PDZ Domain of PTP-BL. Structure, 2004, 12, 11-20.	3.3	29
53	Mice lacking leukocyte common antigen-related (LAR) protein tyrosine phosphatase domains demonstrate spatial learning impairment in the two-trial water maze and hyperactivity in multiple behavioural tests. Behavioural Brain Research, 2004, 154, 171-182.	2.2	38
54	Stimulated regeneration of the crushed adult rat optic nerve correlates with attenuated expression of the protein tyrosine phosphatases RPTPÎ±, STEP, and LAR. Molecular and Cellular Neurosciences, 2004, 27, 404-416.	2.2	25

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55	PDZ domains-glue and guide. Molecular Biology Reports, 2003, 30, 69-82.	2.3	127
56	Colocalisation of the protein tyrosine phosphatases PTP-SL and PTPBR7 with Î²4-adaptin in neuronal cells. Histochemistry and Cell Biology, 2003, 119, 1-13.	1.7	15
57	Cloning and characterization of mCRIP2, a mouse LIM-only protein that interacts with PDZ domain IV of PTP-BL. Genes To Cells, 2003, 8, 631-644.	1.2	25
58	Delayed peripheral nerve regeneration and central nervous system collateral sprouting in leucocyte common antigen-related protein tyrosine phosphatase-deficient mice. European Journal of Neuroscience, 2003, 17, 991-1005.	2.6	39
59	A novel strategy for the development of selective active-site inhibitors of the protein tyrosine phosphatase-like proteins islet-cell antigen 512 (IA-2) and phogrin (IA-2beta). Biochemical Journal, 2003, 373, 393-401.	3.7	19
60	A null mutation in the cystatin M/E gene of ichq mice causes juvenile lethality and defects in epidermal cornification. Human Molecular Genetics, 2002, 11, 2867-2875.	2.9	64
61	Multimerization of the Protein-tyrosine Phosphatase (PTP)-like Insulin-dependent Diabetes Mellitus Autoantigens IA-2 and IA-2Î² with Receptor PTPs (RPTPs). Journal of Biological Chemistry, 2002, 277, 48139-48145.	3.4	38
62	Structure, dynamics and binding characteristics of the second PDZ domain of PTP-BL. Journal of Molecular Biology, 2002, 316, 1101-1110.	4.2	72
63	A decrease in size and number of basal forebrain cholinergic neurons is paralleled by diminished hippocampal cholinergic innervation in mice lacking leukocyte common antigen-related protein tyrosine phosphatase activity. Neuroscience, 2001, 102, 833-841.	2.3	46
64	Alternative Splicing of the HumanRab6AGene Generates Two Close but Functionally Different Isoforms. Molecular Biology of the Cell, 2000, 11, 3819-3833.	2.1	105
65	The zyxin-related protein TRIP6 interacts with PDZ motifs in the adaptor protein RIL and the protein tyrosine phosphatase PTP-BL. European Journal of Cell Biology, 2000, 79, 283-293.	3.6	65
66	Assignment<footref rid="foot01">¹</footref> of the PTP-SL/PTPBR7 gene (Ptprr/PTPRR) to mouse chromosome region 8A2 by in situ hybridization. Cytogenetic and Genome Research, 1999, 84, 243-244.	1.1	6
67	The mouse Ptprr gene encodes two protein tyrosine phosphatases, PTP-SL and PTPBR7, that display distinct patterns of expression during neural development. European Journal of Neuroscience, 1999, 11, 3832-3844.	2.6	35
68	Identification and molecular characterization of BP75, a novel bromodomain-containing protein. FEBS Letters, 1999, 459, 291-298.	2.8	32
69	Developmental expression of the cell adhesion molecule-like protein tyrosine phosphatases LAR, RPTPÎ´ and RPTPÏƒ in the mouse. Mechanisms of Development, 1998, 77, 59-62.	1.7	62
70	Assignment of Ptprn2, the gene encoding receptor-type protein tyrosine phosphatase IA-2Î², a major autoantigen in insulin-dependent diabetes mellitus, to mouse chromosome region 12F. Cytogenetic and Genome Research, 1998, 82, 153-155.	1.1	9
71	PDZ Motifs in PTP-BL and RIL Bind to Internal Protein Segments in the LIM Domain Protein RIL. Molecular Biology of the Cell, 1998, 9, 671-683.	2.1	131
72	No Evidence for Involvement of Mouse Protein-tyrosine Phosphatase-BAS-like Fas-associated Phosphatase-1 in Fas-mediated Apoptosis. Journal of Biological Chemistry, 1997, 272, 30215-30220.	3.4	53

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73	Identification and Sequence Analysis of Two New Members of the SKALP/elafin and SPAI-2 Gene Family. Journal of Biological Chemistry, 1997, 272, 20471-20478.	3.4	45
74	Mouse Choroideremia Gene Mutation Causes Photoreceptor Cell Degeneration and is not Transmitted through the Female Germline. Human Molecular Genetics, 1997, 6, 851-858.	2.9	67
75	Impaired Mammary Gland Development and Function in Mice Lacking LAR Receptor-like Tyrosine Phosphatase Activity. Developmental Biology, 1997, 188, 134-146.	2.0	128
76	The neuronal nitric oxide synthase PDZ motif binds to -G(D,E)XV*carboxyterminal sequences. FEBS Letters, 1997, 409, 53-56.	2.8	51
77	Receptor-like protein tyrosine phosphatases: alike and yet so different. Molecular Biology Reports, 1997, 24, 247-262.	2.3	45
78	Assignment of the human gene for receptor-type protein tyrosine phosphatase IA-2 (PTPRN) to chromosome region 2q35→q36.1 and identification of an intragenic genetic marker. Cytogenetic and Genome Research, 1996, 73, 145-148.	1.1	7
79	The gene (PTPN13) encoding the protein tyrosine phosphatase PTP-BL/PTP-BAS is located in mouse chromosome region 5E/F and human chromosome region 4q21. Cytogenetic and Genome Research, 1996, 74, 153-155.	1.1	9
80	Recovery from TPA inhibition of receptor-mediated Ca2+ mobilization is paralleled by down-regulation of protein kinase C-Î± in CHO cells expressing the CCK-A receptor. Cell Calcium, 1996, 20, 1-9.	2.4	21
81	Protein-Tyrosine Phosphatases Expressed in Mouse Epidermal Keratinocytes. Journal of Investigative Dermatology, 1996, 106, 972-976.	0.7	8
82	An Animal Model for Norrie Disease (ND): Gene Targeting of the Mouse Nd Gene. Human Molecular Genetics, 1996, 5, 51-59.	2.9	103
83	Normal development, growth and reproduction in cellular retinoic acid binding protein-I (CRABPI) null mutant mice. Differentiation, 1995, 58, 141-148.	1.9	47
84	Molecular cloning of a mouse epithelial protein-tyrosine phosphatase with similarities to submembranous proteins. Journal of Cellular Biochemistry, 1995, 59, 418-430.	2.6	52
85	Assignment of the Human Protein Tyrosine Phosphatase Epsilon (PTPRE) Gene to Chromosome 10q26 by Fluorescencein SituHybridization. Genomics, 1995, 30, 128-129.	2.9	1
86	The Mouse Gene Ptprf Encoding the Leukocyte Common Antigen-Related Molecule LAR: Cloning, Characterization, and Chromosomal Localization. Genomics, 1995, 27, 124-130.	2.9	19
87	Gene Targeting of the Receptor-Like Protein Tyrosine Phosphatase Lar by Homologous Recombination in Mouse Embryonic Stem Cells. , 1995, , 407-419.		0
88	Rapid assessment of protein-tyrosine phosphatase expression levels by RT-PCR with degenerate primers. Molecular Biology Reports, 1994, 19, 105-108.	2.3	6
89	Immune Response in Mice that Lack the Interferon-Î³ Receptor. Science, 1993, 259, 1742-1745.	12.6	1,569
90	Duck Lactate Dehydrogenase B/Îµ-Crystallin Gene. Journal of Molecular Biology, 1993, 229, 849-859.	4.2	23

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91	Genetic variability of the murine creatine kinase B gene locus and related pseudogenes in different inbred strains of mice. Genomics, 1992, 12, 340-349.	2.9	28
92	Identification and typing of members of the protein-tyrosine phosphatase gene family expressed in mouse brain. Molecular Biology Reports, 1992, 16, 241-248.	2.3	11
93	Characterization of the myotonic dystrophy region predicts multiple protein isoformâ€“encoding mRNAs. Nature Genetics, 1992, 1, 261-266.	21.4	163
94	The alternative splicing product Î±Ains-crystallin is structurally equivalent to Î±A and Î±B subunits in the rat Î±-crystallin aggregate. BBA - Proteins and Proteomics, 1990, 1037, 58-65.	2.1	21
95	Evolution of eye lens crystallins: the stress connection. Trends in Biochemical Sciences, 1989, 14, 365-368.	7.5	202
96	Monoclonal antibodies reveal evolutionary conservation of alternative splicing of the alphaA-crystallin primary transcript. FEBS Journal, 1988, 174, 133-137.	0.2	26
97	Duck lens epsilon-crystallin and lactate dehydrogenase B4 are identical: a single-copy gene product with two distinct functions.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 7114-7118.	7.1	113
98	AluB2 type repeats in theÎ±A crystallin locus in the mole rat(Spalax ehrenbergi)genome. Nucleic Acids Research, 1987, 15, 9093-9093.	14.5	2
99	The lens protein alpha A-crystallin of the blind mole rat, Spalax ehrenbergi: evolutionary change and functional constraints.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 5320-5324.	7.1	84
100	The eye lens crystallins: Ambiguity as evolutionary strategy. Journal of Molecular Evolution, 1986, 24, 121-129.	1.8	55
101	Complete structure of the hamster Î±A crystallin gene. Journal of Molecular Biology, 1985, 185, 273-284.	4.2	76
102	The structure of the vimentin gene. Cell, 1983, 35, 215-223.	28.9	255