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	Immune Response in Mice that Lack the Interferon-Î³ Receptor. Science, 1993, 259, 1742-1745.	12.6	1,569
2	The structure of the vimentin gene. Cell, 1983, 35, 215-223.	28.9	255
3	Evolution of eye lens crystallins: the stress connection. Trends in Biochemical Sciences, 1989, 14, 365-368.	7.5	202
4	Characterization of the myotonic dystrophy region predicts multiple protein isoformâ€“encoding mRNAs. Nature Genetics, 1992, 1, 261-266.	21.4	163
5	Protein tyrosine phosphatases in health and disease. FEBS Journal, 2013, 280, 708-730.	4.7	139
6	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
7	Impaired Mammary Gland Development and Function in Mice Lacking LAR Receptor-like Tyrosine Phosphatase Activity. Developmental Biology, 1997, 188, 134-146.	2.0	128
8	PDZ domains-glue and guide. Molecular Biology Reports, 2003, 30, 69-82.	2.3	127
9	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
10	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
11	Alternative Splicing of the HumanRab6AGene Generates Two Close but Functionally Different Isoforms. Molecular Biology of the Cell, 2000, 11, 3819-3833.	2.1	105
12	An Animal Model for Norrie Disease (ND): Gene Targeting of the Mouse Nd Gene. Human Molecular Genetics, 1996, 5, 51-59.	2.9	103
13	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
14	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
15	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
16	Complete structure of the hamster Î±A crystallin gene. Journal of Molecular Biology, 1985, 185, 273-284.	4.2	76
17	Structure, dynamics and binding characteristics of the second PDZ domain of PTP-BL. Journal of Molecular Biology, 2002, 316, 1101-1110.	4.2	72
18	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

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19	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
20	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
21	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
22	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
23	Protein tyrosine phosphatases: functional inferences from mouse models and human diseases. FEBS Journal, 2008, 275, 816-830.	4.7	64
24	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
25	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
26	Protein tyrosine phosphatases in glioma biology. Acta Neuropathologica, 2010, 119, 157-175.	7.7	61
27	An Allosteric Intramolecular PDZâ^'PDZ Interaction Modulates PTP-BL PDZ2 Binding Specificity. Biochemistry, 2007, 46, 13629-13637.	2.5	56
28	The eye lens crystallins: Ambiguity as evolutionary strategy. Journal of Molecular Evolution, 1986, 24, 121-129.	1.8	55
29	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
30	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
31	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
32	Psoriasis-Associated Late Cornified Envelope (LCE) Proteins Have AntibacterialÂActivity. Journal of Investigative Dermatology, 2017, 137, 2380-2388.	0.7	53
33	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
34	The neuronal nitric oxide synthase PDZ motif binds to -G(D,E)XV*carboxyterminal sequences. FEBS Letters, 1997, 409, 53-56.	2.8	51
35	Normal development, growth and reproduction in cellular retinoic acid binding protein-I (CRABPI) null mutant mice. Differentiation, 1995, 58, 141-148.	1.9	47
36	Protein Tyrosine Phosphatase PTPRS Is an Inhibitory Receptor on Human and Murine Plasmacytoid Dendritic Cells. Immunity, 2015, 43, 277-288.	14.3	47

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37	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
38	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
39	Receptor-like protein tyrosine phosphatases: alike and yet so different. Molecular Biology Reports, 1997, 24, 247-262.	2.3	45
40	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
41	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
42	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
43	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
44	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
45	Mild impairment of motor nerve repair in mice lacking PTP-BL tyrosine phosphatase activity. Physiological Genomics, 2004, 19, 50-60.	2.3	36
46	PTPRR Protein Tyrosine Phosphatase Isoforms and Locomotion of Vesicles and Mice. Cerebellum, 2009, 8, 80-88.	2.5	36
47	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
48	Isocitrate dehydrogenase 1â€“mutated human gliomas depend on lactate and glutamate to alleviate metabolic stress. FASEB Journal, 2019, 33, 557-571.	0.5	33
49	Identification and molecular characterization of BP75, a novel bromodomain-containing protein. FEBS Letters, 1999, 459, 291-298.	2.8	32
50	Altered MAP kinase phosphorylation and impaired motor coordination in PTPRR deficient mice. Journal of Neurochemistry, 2006, 101, 829-840.	3.9	32
51	PTPs emerge as PIPs: protein tyrosine phosphatases with lipid-phosphatase activities in human disease. Human Molecular Genetics, 2013, 22, R66-R76.	2.9	31
52	PTENâ€“PDZ domain interactions: Binding of PTEN to PDZ domains of PTPN13. Methods, 2015, 77-78, 147-156.	3.8	31
53	Inactivation of LAR family phosphatase genesPtprsandPtprfcauses craniofacial malformations resembling Pierre-Robin sequence. Development (Cambridge), 2013, 140, 3413-3422.	2.5	30
54	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

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55	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
56	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
57	Monoclonal antibodies reveal evolutionary conservation of alternative splicing of the alphaA-crystallin primary transcript. FEBS Journal, 1988, 174, 133-137.	0.2	26
58	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
59	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
60	Characterization of multiple transcripts and isoforms derived from the mouse protein tyrosine phosphatase genePtprr. Genes To Cells, 2004, 9, 919-933.	1.2	25
61	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
62	Duck Lactate Dehydrogenase B/Îµ-Crystallin Gene. Journal of Molecular Biology, 1993, 229, 849-859.	4.2	23
63	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
64	Downregulation of protein tyrosine phosphatase PTP-BL represses adipogenesis. International Journal of Biochemistry and Cell Biology, 2009, 41, 2173-2180.	2.8	23
65	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
66	Comprehensive protein tyrosine phosphatase mRNA profiling identifies new regulators in the progression of glioma. Acta Neuropathologica Communications, 2016, 4, 96.	5.2	22
67	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
68	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
69	Proteinaceous Regulators and Inhibitors of Protein Tyrosine Phosphatases. Molecules, 2018, 23, 395.	3.8	21
70	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
71	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
72	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

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73	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
74	Tyrosine-specific MAPK phosphatases and the control of ERK signaling in PC12 cells. Journal of Molecular Signaling, 2006, 1, 4.	0.5	15
75	One-Tube-Only Standardized Site-Directed Mutagenesis: An Alternative Approach to Generate Amino Acid Substitution Collections. PLoS ONE, 2016, 11, e0160972.	2.5	14
76	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
77	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
78	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
79	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
80	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
81	PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics, 2020, 10, 1016-1032.	10.0	11
82	Proteolytic processing of the receptor-type protein tyrosine phosphatase PTPBR7. FEBS Journal, 2007, 274, 96-108.	4.7	10
83	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
84	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
85	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
86	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
87	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
88	Protein-Tyrosine Phosphatases Expressed in Mouse Epidermal Keratinocytes. Journal of Investigative Dermatology, 1996, 106, 972-976.	0.7	8
89	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
90	Analysis of protein-protein interaction between late cornified envelope proteins and corneodesmosin. Experimental Dermatology, 2014, 23, 769-771.	2.9	7

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91	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
92	Rapid assessment of protein-tyrosine phosphatase expression levels by RT-PCR with degenerate primers. Molecular Biology Reports, 1994, 19, 105-108.	2.3	6
93	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
94	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
95	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
96	PTPBR7 Binding Proteins in Myelinating Neurons of the Mouse Brain. International Journal of Biological Sciences, 2011, 7, 978-991.	6.4	5
97	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
98	Protein tyrosine phosphatases: sequences and beyond. FEBS Journal, 2008, 275, 815-815.	4.7	4
99	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
100	Assignment of the Human Protein Tyrosine Phosphatase Epsilon (PTPRE) Gene to Chromosome 10q26 by Fluorescencein SituHybridization. Genomics, 1995, 30, 128-129.	2.9	1
101	Phosphorylation target site specificity for AGC kinases DMPK E and lats2. Journal of Cellular Biochemistry, 2012, 113, 2126-2135.	2.6	1
102	Gene Targeting of the Receptor-Like Protein Tyrosine Phosphatase Lar by Homologous Recombination in Mouse Embryonic Stem Cells. , 1995, , 407-419.		0