

# Michel L Tremblay

## List of Publications by Year in descending order

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151  
papers

12,356  
citations

23567

58  
h-index

25787

108  
g-index

155  
all docs

155  
docs citations

155  
times ranked

11087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Insulin Sensitivity and Obesity Resistance in Mice Lacking the Protein Tyrosine Phosphatase-1B Gene. <i>Science</i> , 1999, 283, 1544-1548.	12.6	2,002
2	Attenuation of Leptin Action and Regulation of Obesity by Protein Tyrosine Phosphatase 1B. <i>Developmental Cell</i> , 2002, 2, 497-503.	7.0	502
3	Inside the human cancer tyrosine phosphatome. <i>Nature Reviews Cancer</i> , 2011, 11, 35-49.	28.4	427
4	TYK2 and JAK2 Are Substrates of Protein-tyrosine Phosphatase 1B. <i>Journal of Biological Chemistry</i> , 2001, 276, 47771-47774.	3.4	379
5	Adipose tissue reduction in mice lacking the translational inhibitor 4E-BP1. <i>Nature Medicine</i> , 2001, 7, 1128-1132.	30.7	341
6	Impaired Bone Marrow Microenvironment and Immune Function in T Cell Protein Tyrosine Phosphatase-deficient Mice. <i>Journal of Experimental Medicine</i> , 1997, 186, 683-693.	8.5	339
7	The T Cell Protein Tyrosine Phosphatase Is a Negative Regulator of Janus Family Kinases 1 and 3. <i>Current Biology</i> , 2002, 12, 446-453.	3.9	302
8	Protein tyrosine phosphatase 1B deficiency or inhibition delays ErbB2-induced mammary tumorigenesis and protects from lung metastasis. <i>Nature Genetics</i> , 2007, 39, 338-346.	21.4	284
9	Protein Tyrosine Phosphatase-PEST Regulates Focal Adhesion Disassembly, Migration, and Cytokinesis in Fibroblasts. <i>Journal of Cell Biology</i> , 1999, 144, 1019-1031.	5.2	274
10	Cytoplasmic protein tyrosine phosphatases, regulation and function: the roles of PTP1B and TC-PTP. <i>Current Opinion in Cell Biology</i> , 2005, 17, 203-209.	5.4	199
11	T cell protein tyrosine phosphatase attenuates T cell signaling to maintain tolerance in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4758-4774.	8.2	198
12	Protein-tyrosine Phosphatase 1B Potentiates IRE1 Signaling during Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2004, 279, 49689-49693.	3.4	181
13	Coordinated action of protein tyrosine phosphatases in insulin signal transduction. <i>FEBS Journal</i> , 2002, 269, 1050-1059.	0.2	170
14	The two faces of PTP1B in cancer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 613-619.	2.3	160
15	Selective regulation of tumor necrosis factor-induced Erk signaling by Src family kinases and the T cell protein tyrosine phosphatase. <i>Nature Immunology</i> , 2005, 6, 253-260.	14.5	154
16	T-cell protein tyrosine phosphatase deletion results in progressive systemic inflammatory disease. <i>Blood</i> , 2004, 103, 3457-3464.	1.4	152
17	PTP1B: A simple enzyme for a complex world. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013, 48, 430-445.	5.2	152
18	Neuroendocrine dysplasia in mice lacking protein tyrosine phosphatase $\beta$ . <i>Nature Genetics</i> , 1999, 21, 330-333.	21.4	151

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19	Substrate-trapping techniques in the identification of cellular PTP targets. <i>Methods</i> , 2005, 35, 44-53.	3.8	142
20	A sulfated carbohydrate epitope inhibits axon regeneration after injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4768-4773.	7.1	136
21	Functional significance of the LAR receptor protein tyrosine phosphatase family in development and diseases. <i>Biochemistry and Cell Biology</i> , 2004, 82, 664-675.	2.0	135
22	The role of protein tyrosine phosphatase 1B in Ras signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1834-1839.	7.1	134
23	Protein Tyrosine Phosphatase 1B Attenuates Growth Hormone-Mediated JAK2-STAT Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 3753-3762.	2.3	132
24	Cytoskeletal Protein PSTPIP1 Directs the PEST-Type Protein Tyrosine Phosphatase to the c-Abl Kinase to Mediate Abl Dephosphorylation. <i>Molecular Cell</i> , 2000, 6, 1413-1423.	9.7	124
25	Corticospinal tract regeneration after spinal cord injury in receptor protein tyrosine phosphatase sigma deficient mice. <i>Glia</i> , 2010, 58, 423-433.	4.9	123
26	Mammalian Motoneuron Axon Targeting Requires Receptor Protein Tyrosine Phosphatases $\hat{A}$ and $\hat{A}$ . <i>Journal of Neuroscience</i> , 2006, 26, 5872-5880.	3.6	118
27	PSTPIP Is a Substrate of PTP-PEST and Serves as a Scaffold Guiding PTP-PEST Toward a Specific Dephosphorylation of WASP. <i>Journal of Biological Chemistry</i> , 2002, 277, 2973-2986.	3.4	116
28	Involvement of the small protein tyrosine phosphatases TC-PTP and PTP1B in signal transduction and diseases: From diabetes, obesity to cell cycle, and cancer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1754, 108-117.	2.3	109
29	Cloning and characterization of a mouse cDNA encoding a cytoplasmic protein-tyrosine-phosphatase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 499-503.	7.1	108
30	Regulation of Insulin-Like Growth Factor Type I (IGF-I) Receptor Kinase Activity by Protein Tyrosine Phosphatase 1B (PTP-1B) and Enhanced IGF-I-Mediated Suppression of Apoptosis and Motility in PTP-1B-Deficient Fibroblasts. <i>Molecular and Cellular Biology</i> , 2002, 22, 1998-2010.	2.3	107
31	Investigation of Protein-tyrosine Phosphatase 1B Function by Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1763-1777.	3.8	106
32	PTP1B and TC-PTP: regulators of transformation and tumorigenesis. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 215-230.	5.9	105
33	Combination of Gene Targeting and Substrate Trapping to Identify Substrates of Protein Tyrosine Phosphatases Using PTP-PEST as a Model. <i>Biochemistry</i> , 1998, 37, 13128-13137.	2.5	99
34	ERR $\hat{1}$ ± mediates metabolic adaptations driving lapatinib resistance in breast cancer. <i>Nature Communications</i> , 2016, 7, 12156.	12.8	98
35	The protein tyrosine phosphatase PRL-2 interacts with the magnesium transporter CNNM3 to promote oncogenesis. <i>Oncogene</i> , 2015, 34, 986-995.	5.9	95
36	Receptor protein tyrosine phosphatase sigma inhibits axon regrowth in the adult injured CNS. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 625-635.	2.2	94

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37	Attenuation of Adhesion-dependent Signaling and Cell Spreading in Transformed Fibroblasts Lacking Protein Tyrosine Phosphatase-1B. <i>Journal of Biological Chemistry</i> , 2001, 276, 25848-25855.	3.4	92
38	T-cell protein tyrosine phosphatase is a key regulator in immune cell signaling: lessons from the knockout mouse model and implications in human disease. <i>Immunological Reviews</i> , 2009, 228, 325-341.	6.0	92
39	Genetic Ablation of Protein Tyrosine Phosphatase 1B Accelerates Lymphomagenesis of p53-Null Mice through the Regulation of B-Cell Development. <i>Cancer Research</i> , 2005, 65, 10088-10095.	0.9	91
40	Regulation of the Met Receptor-tyrosine Kinase by the Protein-tyrosine Phosphatase 1B and T-cell Phosphatase. <i>Journal of Biological Chemistry</i> , 2008, 283, 34374-34383.	3.4	91
41	Receptor protein tyrosine phosphatase sigma inhibits axonal regeneration and the rate of axon extension. <i>Molecular and Cellular Neurosciences</i> , 2003, 23, 681-692.	2.2	88
42	Protein tyrosine phosphatase 1B negatively regulates macrophage development through CSF-1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2776-2781.	7.1	88
43	Redox Regulation of Interleukin-4 Signaling. <i>Immunity</i> , 2008, 29, 551-564.	14.3	88
44	Site-Selective Regulation of Platelet-Derived Growth Factor $\beta_2$ Receptor Tyrosine Phosphorylation by T-Cell Protein Tyrosine Phosphatase. <i>Molecular and Cellular Biology</i> , 2004, 24, 2190-2201.	2.3	87
45	Hic-5, a Paxillin Homologue, Binds to the Protein-tyrosine Phosphatase PEST (PTP-PEST) through Its LIM 3 Domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 9847-9853.	3.4	79
46	Modulation of Leptin Resistance by Protein Tyrosine Phosphatases. <i>Cell Metabolism</i> , 2012, 15, 292-297.	16.2	79
47	Intact LIM 3 and LIM 4 Domains of Paxillin Are Required for the Association to a Novel Polyproline Region (Pro 2) of Protein-Tyrosine Phosphatase-PEST. <i>Journal of Biological Chemistry</i> , 1999, 274, 20550-20560.	3.4	76
48	Phosphotyrosine-independent Binding of SHC to the NPLH Sequence of Murine Protein-tyrosine Phosphatase-PEST. <i>Journal of Biological Chemistry</i> , 1996, 271, 8424-8429.	3.4	75
49	PTP1B Is an Androgen Receptor-Regulated Phosphatase That Promotes the Progression of Prostate Cancer. <i>Cancer Research</i> , 2012, 72, 1529-1537.	0.9	74
50	Protein tyrosine phosphatases PTP-1B and TC-PTP play nonredundant roles in macrophage development and IFN- $\gamma$ signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9368-9372.	7.1	71
51	Deletion of Protein Tyrosine Phosphatase 1b Improves Peripheral Insulin Resistance and Vascular Function in Obese, Leptin-Resistant Mice via Reduced Oxidant Tone. <i>Circulation Research</i> , 2009, 105, 1013-1022.	4.5	71
52	In control at the ER: PTP1B and the down-regulation of RTKs by dephosphorylation and endocytosis. <i>Trends in Cell Biology</i> , 2010, 20, 672-679.	7.9	67
53	Nuclear localization and cell cycle regulation of a murine protein tyrosine phosphatase.. <i>Molecular and Cellular Biology</i> , 1994, 14, 3030-3040.	2.3	65
54	Protein Tyrosine Phosphatases in Cancer. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 106, 253-306.	1.7	65

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55	Murine protein tyrosine phosphatase-PEST, a stable cytosolic protein tyrosine phosphatase. <i>Biochemical Journal</i> , 1995, 308, 425-432.	3.7	63
56	Protein Tyrosine Phosphatase 1B, a Major Regulator of Leptin-Mediated Control of Cardiovascular Function. <i>Circulation</i> , 2009, 120, 753-763.	1.6	62
57	Roles of protein tyrosine phosphatases in cell migration and adhesion. <i>Biochemistry and Cell Biology</i> , 1999, 77, 493-505.	2.0	59
58	Protein-tyrosine Phosphatase 1B Deficiency Protects against Fas-induced Hepatic Failure. <i>Journal of Biological Chemistry</i> , 2006, 281, 221-228.	3.4	59
59	Overexpression of the Protein Tyrosine Phosphatase PRL-2 Correlates with Breast Tumor Formation and Progression. <i>Cancer Research</i> , 2010, 70, 8959-8967.	0.9	59
60	TC-PTP and PTP1B: Regulating JAK-STAT signaling, controlling lymphoid malignancies. <i>Cytokine</i> , 2016, 82, 52-57.	3.2	58
61	T-Cell Protein Tyrosine Phosphatase (Tcctp) Is a Negative Regulator of Colony-Stimulating Factor 1 Signaling and Macrophage Differentiation. <i>Molecular and Cellular Biology</i> , 2006, 26, 4149-4160.	2.3	57
62	PTP-PEST Couples Membrane Protrusion and Tail Retraction via VAV2 and p190RhoGAP. <i>Journal of Biological Chemistry</i> , 2006, 281, 11627-11636.	3.4	56
63	Modulation of insulin signaling by protein tyrosine phosphatases. <i>Journal of Molecular Medicine</i> , 2000, 78, 473-482.	3.9	55
64	Essential function of PTP-PEST during mouse embryonic vascularization, mesenchyme formation, neurogenesis and early liver development. <i>Mechanisms of Development</i> , 2006, 123, 869-880.	1.7	54
65	Receptor protein tyrosine phosphatase sigma regulates synapse structure, function and plasticity. <i>Journal of Neurochemistry</i> , 2012, 122, 147-161.	3.9	52
66	Coupling of the murine protein tyrosine phosphatase PEST to the epidermal growth factor (EGF) receptor through a Src homology 3 (SH3) domain-mediated association with Grb2. <i>Oncogene</i> , 1997, 14, 1643-1651.	5.9	51
67	Reduced expression of phosphatase PTPN2 promotes pathogenic conversion of Tregs in autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 129, 1193-1210.	8.2	51
68	Murine embryonic fibroblasts lacking TC-PTP display delayed G1 phase through defective NF- $\kappa$ B activation. <i>Oncogene</i> , 2001, 20, 4728-4739.	5.9	50
69	Reduction of heart failure by pharmacological inhibition or gene deletion of protein tyrosine phosphatase 1B. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1257-1264.	1.9	50
70	Protein Tyrosine Phosphatase 1B Is a Regulator of the Interleukin-10-Induced Transcriptional Program in Macrophages. <i>Science Signaling</i> , 2014, 7, ra43.	3.6	49
71	Structural Basis of the Oncogenic Interaction of Phosphatase PRL-1 with the Magnesium Transporter CNNM2. <i>Journal of Biological Chemistry</i> , 2017, 292, 786-801.	3.4	48
72	Caspase-3 Regulates Catalytic Activity and Scaffolding Functions of the Protein Tyrosine Phosphatase PEST, a Novel Modulator of the Apoptotic Response. <i>Molecular and Cellular Biology</i> , 2007, 27, 1172-1190.	2.3	47

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73	PTP1B Regulates Cortactin Tyrosine Phosphorylation by Targeting Tyr446. <i>Journal of Biological Chemistry</i> , 2008, 283, 15740-15746.	3.4	47
74	HD-PTP Is a Catalytically Inactive Tyrosine Phosphatase Due to a Conserved Divergence in Its Phosphatase Domain. <i>PLoS ONE</i> , 2009, 4, e5105.	2.5	46
75	PTP1B Targets the Endosomal Sorting Machinery. <i>Journal of Biological Chemistry</i> , 2010, 285, 23899-23907.	3.4	46
76	PTP1B and TC-PTP: novel roles in immune-cell signaling This paper is one of a selection of papers published in this Special issue, entitled <i>Second Messengers and Phosphoproteins</i> 12th International Conference.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 667-675.	1.4	45
77	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. <i>Science Translational Medicine</i> , 2015, 7, 288ra76.	12.4	44
78	Magnesium-sensitive upstream ORF controls PRL phosphatase expression to mediate energy metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2925-2934.	7.1	44
79	The DNA Damage Response Pathway Regulates the Alternative Splicing of the Apoptotic Mediator Bcl-x. <i>Journal of Biological Chemistry</i> , 2011, 286, 331-340.	3.4	42
80	Physiological and oncogenic roles of the <sc>PRL</sc> phosphatases. <i>FEBS Journal</i> , 2018, 285, 3886-3908.	4.7	42
81	TC-PTP  deficient bone marrow stromal cells fail to support normal B lymphopoiesis due to abnormal secretion of interferon- $\beta$ . <i>Blood</i> , 2007, 109, 4220-4228.	1.4	41
82	PTP1B Deficiency Exacerbates Inflammation and Accelerates Leukocyte Trafficking In Vivo. <i>Journal of Immunology</i> , 2012, 188, 874-884.	0.8	39
83	Inhibition of PRL-2  C-terminus Protein Complex Formation Decreases Breast Cancer Proliferation and Tumor Growth. <i>Journal of Biological Chemistry</i> , 2016, 291, 10716-10725.	3.4	39
84	Increased Susceptibility to Dextran Sulfate Sodium Induced Colitis in the T Cell Protein Tyrosine Phosphatase Heterozygous Mouse. <i>PLoS ONE</i> , 2010, 5, e8868.	2.5	38
85	Impact of Oncogenic Protein Tyrosine Phosphatases in Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 4-18.	1.7	37
86	The Catalytic Activity of the Eukaryotic Initiation Factor-2  Kinase PKR Is Required to Negatively Regulate Stat1 and Stat3 via Activation of the T-cell Protein-tyrosine Phosphatase. <i>Journal of Biological Chemistry</i> , 2006, 281, 9439-9449.	3.4	35
87	Protein Tyrosine Phosphatases: Emerging Regulators of Apoptosis. <i>Cell Cycle</i> , 2007, 6, 2773-2781.	2.6	35
88	Cellular Inhibition of Protein Tyrosine Phosphatase 1B by Uncharged Thioxothiazolidinone Derivatives. <i>ChemBioChem</i> , 2007, 8, 179-186.	2.6	34
89	Strain-Dependent Differences in Bone Development, Myeloid Hyperplasia, Morbidity and Mortality in Ptpn2-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e36703.	2.5	33
90	PTPN12 promotes resistance to oxidative stress and supports tumorigenesis by regulating FOXO signaling. <i>Oncogene</i> , 2014, 33, 1047-1054.	5.9	32

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91	Deletion of Protein Tyrosine Phosphatase 1B (PTP1B) Enhances Endothelial Cyclooxygenase 2 Expression and Protects Mice from Type 1 Diabetes-Induced Endothelial Dysfunction. <i>PLoS ONE</i> , 2015, 10, e0126866.	2.5	30
92	Receptor tyrosine phosphatase sigma (RPTP $\sigma$ ) regulates, p250GAP, a novel substrate that attenuates Rac signaling. <i>Cellular Signalling</i> , 2010, 22, 1626-1633.	3.6	29
93	Protein-tyrosine Phosphatase 1B Modulates Early Endosome Fusion and Trafficking of Met and Epidermal Growth Factor Receptors. <i>Journal of Biological Chemistry</i> , 2011, 286, 45000-45013.	3.4	28
94	Dominant Role of the Protein-Tyrosine Phosphatase CD148 in Regulating Platelet Activation Relative to Protein-Tyrosine Phosphatase-1B. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2956-2965.	2.4	26
95	Allosteric Noncompetitive Small Molecule Selective Inhibitors of CD45 Tyrosine Phosphatase Suppress T-Cell Receptor Signals and Inflammation In Vivo. <i>Molecular Pharmacology</i> , 2014, 85, 553-563.	2.3	25
96	Downregulation of PTP1B and TC-PTP phosphatases potentiate dendritic cell-based immunotherapy through IL-12/IFN $\gamma$ signaling. <i>Oncolmmunology</i> , 2017, 6, e1321185.	4.6	24
97	Roles of protein tyrosine phosphatases in cell migration and adhesion. <i>Biochemistry and Cell Biology</i> , 1999, 77, 493-505.	2.0	24
98	Protein Tyrosine Phosphatases: Regulators of CD4 T Cells in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2018, 9, 2504.	4.8	23
99	UBC9-dependent Association between Calnexin and Protein Tyrosine Phosphatase 1B (PTP1B) at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2015, 290, 5725-5738.	3.4	20
100	A <i>Drosophila</i> -centric view of protein tyrosine phosphatases. <i>FEBS Letters</i> , 2015, 589, 951-966.	2.8	20
101	Structure of the Murine MPTP-PEST Gene: Genomic Organization and Chromosomal Mapping. <i>Genomics</i> , 1995, 28, 501-507.	2.9	18
102	Protein Tyrosine Phosphatase-1B Negatively Impacts Host Defense against <i>Pseudomonas aeruginosa</i> Infection. <i>American Journal of Pathology</i> , 2016, 186, 1234-1244.	3.8	18
103	ARL15 modulates magnesium homeostasis through N-glycosylation of CNNMs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5427-5445.	5.4	18
104	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	18
105	PRL2 links magnesium flux and sex-dependent circadian metabolic rhythms. <i>JCI Insight</i> , 2017, 2, .	5.0	18
106	An RNA Aptamer That Selectively Inhibits the Enzymatic Activity of Protein Tyrosine Phosphatase 1B in vitro. <i>ChemBioChem</i> , 2010, 11, 1583-1593.	2.6	17
107	Regulating naïve and memory CD8 T cell homeostasis – a role for protein tyrosine phosphatases. <i>FEBS Journal</i> , 2013, 280, 432-444.	4.7	17
108	The <i>Mmachc</i> gene is required for pre-implantation embryogenesis in the mouse. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 198-204.	1.1	17

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109	PTP1B Deficiency Enables the Ability of a High-Fat Diet to Drive the Invasive Character of PTEN-Deficient Prostate Cancers. <i>Cancer Research</i> , 2016, 76, 3130-3135.	0.9	17
110	T cell protein tyrosine phosphatase deficiency results in spontaneous synovitis and subchondral bone resorption in mice. <i>Arthritis and Rheumatism</i> , 2012, 64, 752-761.	6.7	16
111	PTP-central: A comprehensive resource of protein tyrosine phosphatases in eukaryotic genomes. <i>Methods</i> , 2014, 65, 156-164.	3.8	16
112	Characterization of PTPN2 and its use as a biomarker. <i>Methods</i> , 2014, 65, 239-246.	3.8	16
113	Inhibition of T Cell Protein Tyrosine Phosphatase Enhances Interleukin-18-Dependent Hematopoietic Stem Cell Expansion. <i>Stem Cells</i> , 2013, 31, 293-304.	3.2	15
114	Identification of Bidentate Salicylic Acid Inhibitors of PTP1B. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 982-986.	2.8	15
115	Loss of T-cell protein tyrosine phosphatase in the intestinal epithelium promotes local inflammation by increasing colonic stem cell proliferation. <i>Cellular and Molecular Immunology</i> , 2018, 15, 367-376.	10.5	15
116	Molecular Cloning and Tissue-Specific RNA Processing of a Murine Receptor-Type Protein Tyrosine Phosphatase. <i>FEBS Journal</i> , 1994, 226, 773-782.	0.2	14
117	Promoter analysis of the murine T-cell protein tyrosine phosphatase gene. <i>Gene</i> , 1999, 237, 351-360.	2.2	14
118	Protein tyrosine phosphatase <i>Shpt</i> regulates autoimmune encephalomyelitis development. <i>Brain, Behavior, and Immunity</i> , 2017, 65, 111-124.	4.1	14
119	Localizing PRL-2 expression and determining the effects of dietary Mg <sup>2+</sup> on expression levels. <i>Histochemistry and Cell Biology</i> , 2016, 146, 99-111.	1.7	13
120	Structural Insights into the Intracellular Region of the Human Magnesium Transport Mediator CNNM4. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6279.	4.1	13
121	Modulation of Bone Marrow-Derived Endothelial Progenitor Cell Activity by Protein Tyrosine Phosphatases. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 180-186.	4.9	12
122	The autoimmune susceptibility gene, <i>PTPN2</i> , restricts expansion of a novel mouse adherent-invasive <i>E. coli</i> . <i>Gut Microbes</i> , 2020, 11, 1547-1566.	9.8	12
123	Identification of function-regulating antibodies targeting the receptor protein tyrosine phosphatase sigma ectodomain. <i>PLoS ONE</i> , 2017, 12, e0178489.	2.5	12
124	The PTP Family Photo Album. <i>Cell</i> , 2009, 136, 213-214.	28.9	11
125	4E-BP <sup>α</sup> -Dependent Translational Control of <i>Irf8</i> Mediates Adipose Tissue Macrophage Inflammatory Response. <i>Journal of Immunology</i> , 2020, 204, 2392-2400.	0.8	11
126	Lesch-Nyhan disease causes impaired energy metabolism and reduced developmental potential in midbrain dopaminergic cells. <i>Stem Cell Reports</i> , 2021, 16, 1749-1762.	4.8	11

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127	Regulation of the Src Kinase-associated Phosphoprotein 55 Homologue by the Protein Tyrosine Phosphatase PTP-PEST in the Control of Cell Motility. <i>Journal of Biological Chemistry</i> , 2013, 288, 25739-25748.	3.4	9
128	Complement-mediated glomerular injury is reduced by inhibition of protein-tyrosine phosphatase 1B. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F634-F647.	2.7	9
129	TC-PTP regulates the IL-7 transcriptional response during murine early T cell development. <i>Scientific Reports</i> , 2017, 7, 13275.	3.3	9
130	Autoimmune susceptibility gene <i>PTPN2</i> is required for clearance of adherent-invasive <i>Escherichia coli</i> by integrating bacterial uptake and lysosomal defence. <i>Gut</i> , 2022, 71, 89-99.	12.1	9
131	Identification of a potent salicylic acid-based inhibitor of tyrosine phosphatase PTP1B. <i>MedChemComm</i> , 2013, 4, 987-992.	3.4	8
132	Mining the Complex Family of Protein Tyrosine Phosphatases for Checkpoint Regulators in Immunity. <i>Current Topics in Microbiology and Immunology</i> , 2017, 410, 191-214.	1.1	8
133	PRL-2 phosphatase is required for vascular morphogenesis and angiogenic signaling. <i>Communications Biology</i> , 2020, 3, 603.	4.4	8
134	Elevated $\text{V}\hat{\text{a}}\text{E}$ -ATPase Activity Following PTEN Loss Is Required for Enhanced Oncogenic Signaling in Breast Cancer. <i>Molecular Cancer Research</i> , 2020, 18, 1477-1490.	3.4	8
135	Thermosensitive mutants of the MPTP and hPTP1B protein tyrosine phosphatases: Isolation and structural analysis. <i>Protein Science</i> , 1996, 5, 604-613.	7.6	7
136	Prostate Cancer Genetic-susceptibility Locus on Chromosome 20q13 is Amplified and Coupled to Androgen Receptor-regulation in Metastatic Tumors. <i>Molecular Cancer Research</i> , 2014, 12, 184-189.	3.4	7
137	PTP-PEST controls EphA3 activation and ephrin-induced cytoskeletal remodelling. <i>Journal of Cell Science</i> , 2016, 129, 277-89.	2.0	7
138	PTP1B negatively regulates nitric oxide-mediated <i>Pseudomonas aeruginosa</i> killing by neutrophils. <i>PLoS ONE</i> , 2019, 14, e0222753.	2.5	6
139	PTPMT1: Connecting Cardiolipin Biosynthesis to Mitochondrial Function. <i>Cell Metabolism</i> , 2011, 13, 615-617.	16.2	5
140	Protein tyrosine phosphatase 1B regulates miR-208b-argonaute 2 association and thyroid hormone responsiveness in cardiac hypertrophy. <i>Science Signaling</i> , 2022, 15, eabn6875.	3.6	5
141	Firing up Mitochondrial Activities with PTPMT1. <i>Molecular Cell</i> , 2005, 19, 291-292.	9.7	4
142	PTP1B: From Metabolism to Cancer. , 2016, , 169-199.		4
143	Protein tyrosine phosphatase 1B (PTP1B) is dispensable for IgE-mediated cutaneous reaction in vivo. <i>Cellular Immunology</i> , 2016, 306-307, 9-16.	3.0	4
144	Protein tyrosine phosphatome metabolic screen identifies TC $\hat{\text{a}}\text{E}$ PTP as a positive regulator of cancer cell bioenergetics and mitochondrial dynamics. <i>FASEB Journal</i> , 2021, 35, e21708.	0.5	2

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145	Deletion of protein tyrosine phosphatase 1B (PTP1B) prevents type 1 diabetes-induced endothelial dysfunction.. FASEB Journal, 2010, 24, 1037.7.	0.5	1
146	Insulin Receptor PTP. , 2010, , 811-815.		0
147	Role of Protein Tyrosine Phosphatases in Cancer Signaling. , 2019, , 345-351.		0
148	Deletion of protein tyrosine phosphatase 1B (PTP1B) prevents type 1 diabetes-induced vascular dysfunction. FASEB Journal, 2012, 26, 866.18.	0.5	0
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