Tomas M Mustelin

List of Publications by Year
in descending order

215 papers	18,043 citations	13099 68 h-index	14759 127 g-index
219 all docs	219 docs citations	219 times ranked	18450 citing authors

#	Article	IF	Citations
1	Protein Tyrosine Phosphatases in the Human Genome. Cell, 2004, 117, 699-711.	28.9	1,697
2	A functional variant of lymphoid tyrosine phosphatase is associated with type I diabetes. Nature Genetics, 2004, 36, 337-338.	21.4	1,226
3	Autoimmune-associated lymphoid tyrosine phosphatase is a gain-of-function variant. Nature Genetics, 2005, 37, 1317-1319.	21.4	643
4	Multi-walled carbon nanotubes induce T lymphocyte apoptosis. Toxicology Letters, 2006, 160, 121-126.	0.8	622
5	T cell antigen receptor-mediated activation of phospholipase C requires tyrosine phosphorylation. Science, 1990, 247, 1584-1587.	12.6	480
6	Rapid activation of the T-cell tyrosine protein kinase pp56lck by the CD45 phosphotyrosine phosphatase.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6302-6306.	7.1	433
7	The Egr-1 transcription factor directly activates PTEN during irradiation-induced signalling. Nature Cell Biology, 2001, 3, 1124-1128.	10.3	366
8	Protein tyrosine phosphatases and the immune response. Nature Reviews Immunology, 2005, 5, 43-57.	22.7	322
9	Role of PTPN22 in type 1 diabetes and other autoimmune diseases. Seminars in Immunology, 2006, 18, 207-213.	5.6	303
10	Activation of the Cooh-Terminal Src Kinase (Csk) by Camp-Dependent Protein Kinase Inhibits Signaling through the T Cell Receptor. Journal of Experimental Medicine, 2001, 193, 497-508.	8.5	299
11	Molecular Events Mediating T Cell Activation. Advances in Immunology, 1990, 48, 227-360.	2.2	278
12	Cigarette Smoke Silences Innate Lymphoid Cell Function and Facilitates an Exacerbated Type I Interleukin-33-Dependent Response to Infection. Immunity, 2015, 42, 566-579.	14.3	263
13	Functional and Physical Interactions of Syk Family Kinases with the Vav Proto-Oncogene Product. Immunity, 1996, 5, 591-604.	14.3	258
14	Positive and negative regulation of T-cell activation through kinases and phosphatases. Biochemical Journal, 2003, 371, 15-27.	3.7	242
15	Constitutive activation of a slowly migrating isoform of Stat3 in mycosis fungoides: Tyrphostin AG490 inhibits Stat3 activation and growth of mycosis fungoides tumorâ€‰cellâ€‰lines. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6764-6769.	7.1	222
16	Cooperative Phosphorylation of the Tumor Suppressor Phosphatase and Tensin Homologue (PTEN) by Casein Kinases and Glycogen Synthase Kinase 3Î². Journal of Biological Chemistry, 2005, 280, 35195-35202.	3.4	213
17	Oxidation of the alarmin IL-33 regulates ST2-dependent inflammation. Nature Communications, 2015, 6, 8327.	12.8	207
18	Crosstalk between cAMP-dependent kinase and MAP kinase through a protein tyrosine phosphatase. Nature Cell Biology, 1999, 1, 305-310.	10.3	205

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19	Regulation of the p59fyn protein tyrosine kinase by the CD45 phosphotyrosine phosphatase. European Journal of Immunology, 1992, 22, 1173-1178.	2.9	187
20	Isolation and Characterization of Fluorescent Nanoparticles from Pristine and Oxidized Electric Arc-Produced Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 831-836.	2.6	187
21	Characterization of TCR-induced receptor-proximal signaling events negatively regulated by the protein tyrosine phosphatase PEP. European Journal of Immunology, 1999, 29, 3845-3854.	2.9	176
22	Protein Tyrosine Phosphatases in Autoimmunity. Annual Review of Immunology, 2008, 26, 29-55.	21.8	164
23	SUMO1 modification of PTEN regulates tumorigenesis by controlling its association with the plasma membrane. Nature Communications, 2012, 3, 911.	12.8	160
24	Protein tyrosine phosphatasePTPN22in human autoimmunity. Autoimmunity, 2007, 40, 453-461.	2.6	151
25	Inhibition of phosphatidylinositol 3-kinase activity by association with 14-3-3 proteins in T cells.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10142-10146.	7.1	146
26	Release from Tonic Inhibition of T Cell Activation through Transient Displacement of C-terminal Src Kinase (Csk) from Lipid Rafts. Journal of Biological Chemistry, 2001, 276, 29313-29318.	3.4	146
27	Inhibitory Role for Dual Specificity Phosphatase VHR in T Cell Antigen Receptor and CD28-induced Erk and Jnk Activation. Journal of Biological Chemistry, 2001, 276, 4766-4771.	3.4	140
28	Regulation of src family tyrosine kinases in lymphocytes. Trends in Biochemical Sciences, 1993, 18, 215-220.	7.5	139
29	Self-reactive IgE exacerbates interferon responses associated with autoimmunity. Nature Immunology, 2016, 17, 196-203.	14.5	130
30	Inhibition of T Cell Signaling by Mitogen-activated Protein Kinase-targeted Hematopoietic Tyrosine Phosphatase (HePTP). Journal of Biological Chemistry, 1999, 274, 11693-11700.	3.4	129
31	Moving toward endotypes in atopic dermatitis: Identification of patient clusters based on serum biomarker analysis. Journal of Allergy and Clinical Immunology, 2017, 140, 730-737.	2.9	127
32	TCR- and CD28-Mediated Recruitment of Phosphodiesterase 4 to Lipid Rafts Potentiates TCR Signaling. Journal of Immunology, 2004, 173, 4847-4858.	0.8	123
33	PTEN regulation by Aktâ€“EGR1â€“ARFâ€“PTEN axis. EMBO Journal, 2009, 28, 21-33.	7.8	122
34	LYP inhibits T-cell activation when dissociated from CSK. Nature Chemical Biology, 2012, 8, 437-446.	8.0	118
35	p56lck-independent activation and tyrosine phosphorylation of p72syk by T-cell antigen receptor/CD3 stimulation.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5301-5305.	7.1	117
36	Extracellular signals and scores of phosphatases: All roads lead to MAP kinase. Seminars in Immunology, 2000, 12, 387-396.	5.6	116

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37	Loss of the VHR dual-specific phosphatase causescell-cycle arrest and senescence. Nature Cell Biology, 2006, 8, 524-531.	10.3	114
38	Subcellular localization of intracellular protein tyrosine phosphatases in T cells. European Journal of Immunology, 2000, 30, 2412-2421.	2.9	113
39	Covalent decoration of multi-walled carbon nanotubes with silica nanoparticles. Chemical Communications, 2005, , 758.	4.1	104
40	Differential phosphorylation of NG2 proteoglycan by ERK and PKCÎ± helps balance cell proliferation and migration. Journal of Cell Biology, 2007, 178, 155-165.	5.2	102
41	Targeting the PTPome in human disease. Expert Opinion on Therapeutic Targets, 2006, 10, 157-177.	3.4	101
42	The lipid-binding SEC14 domain. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 719-726.	2.4	100
43	Control of vesicle fusion by a tyrosine phosphatase. Nature Cell Biology, 2004, 6, 831-839.	10.3	97
44	Tyrosine phosphorylation of VHR phosphatase by ZAP-70. Nature Immunology, 2003, 4, 44-48.	14.5	94
45	Lck Dephosphorylation at Tyr-394 and Inhibition of T Cell Antigen Receptor Signaling by Yersinia Phosphatase YopH. Journal of Biological Chemistry, 2004, 279, 4922-4928.	3.4	94
46	Antibiotics inhibit tumor and disease activity in cutaneous T-cell lymphoma. Blood, 2019, 134, 1072-1083.	1.4	94
47	Targeting Host Cell Furin Proprotein Convertases as a Therapeutic Strategy against Bacterial Toxins and Viral Pathogens*. Journal of Biological Chemistry, 2007, 282, 20847-20853.	3.4	93
48	A network of p73, p53 and Egr1 is required for efficient apoptosis in tumor cells. Cell Death and Differentiation, 2007, 14, 436-446.	11.2	91
49	T cell antigen receptor signaling: Three families of tyrosine kinases and a phosphatase. Immunity, 1994, 1, 351-356.	14.3	90
50	Full-Length Single-Walled Carbon Nanotubes Decorated with Streptavidin-Conjugated Quantum Dots as Multivalent Intracellular Fluorescent Nanoprobes. Biomacromolecules, 2006, 7, 2259-2263.	5.4	89
51	Regulation of the Low Molecular Weight Phosphotyrosine Phosphatase by Phosphorylation at Tyrosines 131 and 132. Journal of Biological Chemistry, 1997, 272, 5371-5374.	3.4	88
52	Matrix regulation of idiopathic pulmonary fibrosis: the role of enzymes. Fibrogenesis and Tissue Repair, 2013, 6, 20.	3.4	88
53	Activation of ZAP-70 through Specific Dephosphorylation at the Inhibitory Tyr-292 by the Low Molecular Weight Phosphotyrosine Phosphatase (LMPTP). Journal of Biological Chemistry, 2002, 277, 24220-24224.	3.4	86
54	Arginine Methylation of STAT1 Regulates Its Dephosphorylation by T Cell Protein Tyrosine Phosphatase. Journal of Biological Chemistry, 2002, 277, 35787-35790.	3.4	84

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55	Protein tyrosine phosphatases in T cell physiology. Molecular Immunology, 2004, 41, 687-700.	2.2	84
56	Spontaneous Secretion of the Citrullination Enzyme PAD2 and Cell Surface Exposure of PAD4 by Neutrophils. Frontiers in Immunology, 2017, 8, 1200.	4.8	82
57	Dephosphorylation of ZAP-70 and inhibition of T cell activation by activated SHP1. European Journal of Immunology, 1999, 29, 2539-2550.	2.9	79
58	Ubiquitin Ligase Substrate Identification through Quantitative Proteomics at Both the Protein and Peptide Levels. Journal of Biological Chemistry, 2011, 286, 41530-41538.	3.4	76
59	Are mast cells instrumental for fibrotic diseases?. Frontiers in Pharmacology, 2013, 4, 174.	3.5	76
60	Aurintricarboxylic Acid Blocks in Vitro and in Vivo Activity of YopH, an Essential Virulent Factor of Yersinia pestis, the Agent of Plague. Journal of Biological Chemistry, 2003, 278, 41734-41741.	3.4	75
61	Regulation of the Ring Finger E3 Ligase Siah2 by p38 MAPK. Journal of Biological Chemistry, 2006, 281, 35316-35326.	3.4	75
62	KCTD5, a putative substrate adaptor for cullin3 ubiquitin ligases. FEBS Journal, 2008, 275, 3900-3910.	4.7	75
63	Regulation of the Lck SH2 Domain by Tyrosine Phosphorylation. Journal of Biological Chemistry, 1996, 271, 24880-24884.	3.4	74
64	Evidence for a direct link between PAD4-mediated citrullination and the oxidative burst in human neutrophils. Scientific Reports, 2018, 8, 15228.	3.3	74
65	Inhibition of T Cell Antigen Receptor Signaling by VHR-related MKPX (VHX), a New Dual Specificity Phosphatase Related to VH1 Related (VHR). Journal of Biological Chemistry, 2002, 277, 5524-5528.	3.4	73
66	Negative Regulation of T Cell Antigen Receptor Signal Transduction by Hematopoietic Tyrosine Phosphatase (HePTP). Journal of Biological Chemistry, 1998, 273, 15340-15344.	3.4	70
67	Regulation of the p70zap tyrosine protein kinase in T cells by the CD45 phosphotyrosine phosphatase. European Journal of Immunology, 1995, 25, 942-946.	2.9	69
68	Cytoskeletal protein tyrosine phosphatase PTPH1 reduces T cell antigen receptor signaling. European Journal of Immunology, 2000, 30, 1318-1325.	2.9	69
69	The Tumor Suppressor PTEN Regulates T Cell Survival and Antigen Receptor Signaling by Acting as a Phosphatidylinositol 3-Phosphatase. Journal of Immunology, 2000, 164, 1934-1939.	0.8	69
70	NMR-based techniques in the hit identification and optimisation processes. Expert Opinion on Therapeutic Targets, 2004, 8, 597-611.	3.4	69
71	Protein tyrosine phosphorylation in T cell signaling. Frontiers in Bioscience - Landmark, 2002, 7, d918-969.	3.0	67
72	Negative Feedback Regulation of the Tumor Suppressor PTEN by Phosphoinositide-Induced Serine Phosphorylation. Journal of Immunology, 2002, 169, 286-291.	0.8	66

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73	Cutting Edge: Selective Tyrosine Dephosphorylation of Interferon-Activated Nuclear STAT5 by the VHR Phosphatase. Journal of Immunology, 2007, 179, 3402-3406.	0.8	66
74	Monoclonal antibody therapy for the treatment of asthma and chronic obstructive pulmonary disease with eosinophilic inflammation. , 2017, 169, 57-77.		65
75	Inhibition of Phosphatidylinositol 3-Kinase Blocks T Cell Antigen Receptor/CD3-Induced Activation of the Mitogen-Activated Kinase Erk2. FEBS Journal, 1996, 235, 828-835.	0.2	63
76	Novel Vectors for Co-Expression of Two Proteins in <i>E. coli</i>. BioTechniques, 2001, 31, 322-328.	1.8	60
77	Trophoblast cell activation by trophinin ligation is implicated in human embryo implantation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3799-3804.	7.1	60
78	Phosphorylation of NG2 Proteoglycan by Protein Kinase C-Î± Regulates Polarized Membrane Distribution and Cell Motility. Journal of Biological Chemistry, 2004, 279, 55262-55270.	3.4	58
79	Inhibition of Yersinia Tyrosine Phosphatase by Furanyl Salicylate Compounds. Journal of Biological Chemistry, 2005, 280, 9400-9408.	3.4	58
80	An Adamantyl-Substituted Retinoid-Derived Molecule That Inhibits Cancer Cell Growth and Angiogenesis by Inducing Apoptosis and Binds to Small Heterodimer Partner Nuclear Receptor:Â Effects of Modifying Its Carboxylate Group on Apoptosis, Proliferation, and Protein-Tyrosine Phosphatase Activity. Journal of Medicinal Chemistry, 2007, 50, 2622-2639.	6.4	57
81	Role of protein tyrosine phosphatases in T cell activation. Immunological Reviews, 2003, 191, 139-147.	6.0	56
82	Diabetes reversal by inhibition of the low-molecular-weight tyrosine phosphatase. Nature Chemical Biology, 2017, 13, 624-632.	8.0	56
83	Involvement of Phosphatidylinositol 3-Kinase in NFAT Activation in T Cells. Journal of Biological Chemistry, 1997, 272, 14483-14488.	3.4	55
84	Growth signal transduction: Rapid activation of covalently bound ornithine decarboxylase during phosphatidylinositol breakdown. Cell, 1987, 49, 171-176.	28.9	54
85	Enlargement of Secretory Vesicles by Protein Tyrosine Phosphatase PTP-MEG2 in Rat Basophilic Leukemia Mast Cells and Jurkat T Cells. Journal of Immunology, 2002, 168, 4612-4619.	0.8	54
86	Cervix carcinoma is associated with an up-regulation and nuclear localization of the dual-specificity protein phosphatase VHR. BMC Cancer, 2008, 8, 147.	2.6	53
87	Multidentate Small-Molecule Inhibitors of <i>Vaccinia</i> H1-Related (VHR) Phosphatase Decrease Proliferation of Cervix Cancer Cells. Journal of Medicinal Chemistry, 2009, 52, 6716-6723.	6.4	53
88	Protein expression and cellular localization in two prognostic subgroups of diffuse large B-cell lymphoma: Higher expression of ZAP70 and PKC-Î^{2} II in the non-germinal center group and poor survival in patients deficient in nuclear PTEN. Leukemia and Lymphoma, 2007, 48, 2221-2232.	1.3	52
89	Low-Molecular-Weight Protein Tyrosine Phosphatases of<i>Bacillus subtilis</i>. Journal of Bacteriology, 2005, 187, 4945-4956.	2.2	51
90	Antifibrotic role of vascular endothelial growth factor in pulmonary fibrosis. JCI Insight, 2017, 2, .	5.0	51

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91	In Vitro Characterization of the<i>Bacillus subtilis</i>Protein Tyrosine Phosphatase YwqE. Journal of Bacteriology, 2005, 187, 3384-3390.	2.2	49
92	Quantum dot-doped silica nanoparticles as probes for targeting of T-lymphocytes. International Journal of Nanomedicine, 2007, 2, 227-33.	6.7	49
93	Tyrosine phosphatase MEG2 modulates murine development and platelet and lymphocyte activation through secretory vesicle function. Journal of Experimental Medicine, 2005, 202, 1587-1597.	8.5	48
94	Strategies for developing protein tyrosine phosphatase inhibitors. Methods, 2007, 42, 250-260.	3.8	48
95	Lymphoid tyrosine phosphatase and autoimmunity: human genetics rediscovers tyrosine phosphatases. Seminars in Immunopathology, 2010, 32, 127-136.	6.1	48
96	The autoimmune-predisposing variant of lymphoid tyrosine phosphatase favors T helper 1 responses. Human Immunology, 2013, 74, 574-585.	2.4	48
97	A Conserved Mechanism for Control of Human and Mouse Embryonic Stem Cell Pluripotency and Differentiation by Shp2 Tyrosine Phosphatase. PLoS ONE, 2009, 4, e4914.	2.5	48
98	Low-molecular-weight protein tyrosine phosphatase and human disease: in search of biochemical mechanisms. Archivum Immunologiae Et Therapiae Experimentalis, 2002, 50, 95-104.	2.3	47
99	Triggering of human natural killer cells through CD16 induces tyrosine phosphorylation of the p72syk kinase. European Journal of Immunology, 1994, 24, 2491-2496.	2.9	46
100	Phenylarsine oxide augments tyrosine phosphorylation in hematopoietic cells. European Journal of Haematology, 1992, 49, 208-214.	2.2	46
101	Serum biomarker profiles suggest that atopic dermatitis is a systemic disease. Journal of Allergy and Clinical Immunology, 2018, 141, 1523-1526.	2.9	45
102	Modification of Phosphatidylinositol 3-Kinase SH2 Domain Binding Properties by Abl- or Lck-mediated Tyrosine Phosphorylation at Tyr-688. Journal of Biological Chemistry, 1998, 273, 3994-4000.	3.4	44
103	Homotypic Secretory Vesicle Fusion Induced by the Protein Tyrosine Phosphatase MEG2 Depends on Polyphosphoinositides in T Cells. Journal of Immunology, 2003, 171, 6661-6671.	0.8	44
104	Activation of C-terminal Src kinase (Csk) by phosphorylation at serine-364 depends on the Csk-Src homology 3 domain. Biochemical Journal, 2003, 372, 271-278.	3.7	44
105	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. Science Translational Medicine, 2015, 7, 288ra76.	12.4	44
106	Reconstitution of T Cell Antigen Receptor-Induced Erk2 Kinase Activation in Lck-Negative JCaM1 Cells by Syk. FEBS Journal, 1997, 245, 84-90.	0.2	43
107	Haematopoietic protein tyrosine phosphatase (HePTP) phosphorylation by cAMP-dependent protein kinase in T-cells: dynamics and subcellular location. Biochemical Journal, 2004, 378, 335-342.	3.7	43
108	Knockdown of C-terminal Src kinase by siRNA-mediated RNA interference augments Tâ€„cell receptor signaling in mature Tâ€„cells. European Journal of Immunology, 2004, 34, 2191-2199.	2.9	43

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109	Protein Tyrosine Phosphatase Expression Profile of Rheumatoid Arthritis Fibroblastâ€like Synoviocytes: A Novel Role of SH2 Domainâ€"Containing Phosphatase 2 as a Modulator of Invasion and Survival. Arthritis and Rheumatism, 2013, 65, 1171-1180.	6.7	43
110	Differential and multiple binding of signal transducing molecules to the ITAMs of the TCR-Î¶ chain. , 1996, 63, 94-103.		42
111	Dual-Specificity Phosphatase 3 Deficiency or Inhibition Limits Platelet Activation and Arterial Thrombosis. Circulation, 2015, 131, 656-668.	1.6	42
112	Sources of Pathogenic Nucleic Acids in Systemic Lupus Erythematosus. Frontiers in Immunology, 2019, 10, 1028.	4.8	42
113	The Contribution of <i>PTPN22</i> to Rheumatic Disease. Arthritis and Rheumatology, 2019, 71, 486-495.	5.6	42
114	Acute skin exposure to ultraviolet light triggers neutrophil-mediated kidney inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	42
115	The Next Wave. Cellular Signalling, 1999, 11, 637-650.	3.6	41
116	Grap Negatively Regulates T-Cell Receptor-Elicited Lymphocyte Proliferation and Interleukin-2 Induction. Molecular and Cellular Biology, 2002, 22, 3230-3236.	2.3	41
117	DUSP3/VHR is a pro-angiogenic atypical dual-specificity phosphatase. Molecular Cancer, 2014, 13, 108.	19.2	40
118	The complex biology and contribution of<i>Staphylococcus aureus</i>in atopic dermatitis, current and future therapies. British Journal of Dermatology, 2017, 177, 63-71.	1.5	40
119	Structure of the Hematopoietic Tyrosine Phosphatase (HePTP) Catalytic Domain: Structure of a KIM Phosphatase with Phosphate Bound at the Active Site. Journal of Molecular Biology, 2005, 354, 150-163.	4.2	39
120	Towards unraveling the complexity of T cell signal transduction. BioEssays, 1995, 17, 967-975.	2.5	38
121	Identification of the Site in the Syk Protein Tyrosine Kinase That Binds the SH2 Domain of Lck. Journal of Biological Chemistry, 1996, 271, 24294-24299.	3.4	38
122	Autoimmune manifestations in aged mice arise from early-life immune dysregulation. Science Translational Medicine, 2016, 8, 361ra137.	12.4	38
123	Temporal Phases in Apoptosis Defined by the Actions of Src Homology 2 Domains, Ceramide, Bcl-2, Interleukin-1Î² Converting Enzyme Family Proteases, and a Dense Membrane Fraction. Journal of Cell Biology, 1997, 137, 1117-1125.	5.2	37
124	Protein tyrosine phosphorylation in T cell signaling. Frontiers in Bioscience - Landmark, 2002, 7, d918.	3.0	37
125	Normal TCR Signal Transduction in Mice That Lack Catalytically Active PTPN3 Protein Tyrosine Phosphatase. Journal of Immunology, 2007, 178, 3680-3687.	0.8	37
126	Development of Molecular Probes for Second-Site Screening and Design of Protein Tyrosine Phosphatase Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 2137-2143.	6.4	37

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127	Nanosynthesis by candlelight. Nature Nanotechnology, 2007, 2, 599-600.	31.5	36
128	Identification and characterization of DUSP27, a novel dual-specific protein phosphatase. FEBS Letters, 2007, 581, 2527-2533.	2.8	36
129	Inhibition of Lymphoid Tyrosine Phosphatase by Benzofuran Salicylic Acids. Journal of Medicinal Chemistry, 2011, 54, 562-571.	6.4	35
130	TGFÎ² responsive tyrosine phosphatase promotes rheumatoid synovial fibroblast invasiveness. Annals of the Rheumatic Diseases, 2016, 75, 295-302.	0.9	35
131	Regulation of MAP Kinases by the VHR Dual-Specific Phosphatase â€" Implications for Cell Growth and Differentiation. Cell Cycle, 2006, 5, 2210-2215.	2.6	34
132	myo-Inositol reverses Li+-induced inhibition of phosphoinositide turnover and ornithine decarboxylase induction during early lymphocyte activation. European Journal of Immunology, 1986, 16, 859-861.	2.9	33
133	Cell-Type Specific and Cytoplasmic Targeting of PEGylated Carbon Nanotube-Based Nanoassemblies. Journal of Nanoscience and Nanotechnology, 2008, 8, 2259-2269.	0.9	33
134	Lipid Raft Targeting of Hematopoietic Protein Tyrosine Phosphatase by Protein Kinase C Î¸-Mediated Phosphorylation. Molecular and Cellular Biology, 2006, 26, 1806-1816.	2.3	32
135	In Silico Screening for PTPN22 Inhibitors: Active Hits from an Inactive Phosphatase Conformation. ChemMedChem, 2009, 4, 440-444.	3.2	32
136	GTP dependence of the transduction of mitogenic signals through the T3 complex in T lymphocytes indicates the involvement of a G-protein. FEBS Letters, 1987, 213, 199-203.	2.8	31
137	Induction of hyperphosphorylation and activation of the p56lck protein tyrosine kinase by phenylarsine oxide, a phosphotyrosine phosphatase inhibitor. Molecular Immunology, 1994, 31, 1295-1302.	2.2	31
138	Role of Tyr518 and Tyr519 in the Regulation of Catalytic Activity and Substrate Phosphorylation by Syk Protein-Tyrosine Kinase. FEBS Journal, 1997, 246, 447-451.	0.2	31
139	The Minimal Essential Core of a Cysteine-based Protein-tyrosine Phosphatase Revealed by a Novel 16-kDa VH1-like Phosphatase, VHZ. Journal of Biological Chemistry, 2004, 279, 35768-35774.	3.4	31
140	Removal of C-Terminal Src Kinase from the Immune Synapse by a New Binding Protein. Molecular and Cellular Biology, 2005, 25, 2227-2241.	2.3	31
141	A Brief Introduction to the Protein Phosphatase Families. , 2007, 365, 9-22.		31
142	Carbon Nanotube-Based Nanocarriers: The Importance of Keeping It Clean. Journal of Nanoscience and Nanotechnology, 2010, 10, 5293-5301.	0.9	31
143	Inhibition of Hematopoietic Protein Tyrosine Phosphatase Augments and Prolongs ERK1/2 and p38 Activation. ACS Chemical Biology, 2012, 7, 367-377.	3.4	31
144	A Weak Lck Tail Bite Is Necessary for Lck Function in T Cell Antigen Receptor Signaling. Journal of Biological Chemistry, 2007, 282, 36000-36009.	3.4	29

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145	High Prevalence and Disease Correlation of Autoantibodies Against p40 Encoded by Long Interspersed Nuclear Elements in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2020, 72, 89-99.	5.6	29
146	Role of Neutrophils in Systemic Vasculitides. Frontiers in Immunology, 2020, 11, 619705.	4.8	29
147	Phosphotyrosine phosphatases are involved in reversion of T lymphoblastic proliferation. European Journal of Immunology, 1990, 20, 2509-2512.	2.9	28
148	Identification of a CD28 Response Element in the CD40 Ligand Promoter. Journal of Immunology, 2001, 166, 2437-2443.	0.8	28
149	DUSP3 Genetic Deletion Confers M2-like Macrophageâ€"Dependent Tolerance to Septic Shock. Journal of Immunology, 2015, 194, 4951-4962.	0.8	28
150	Characterization of New Substrates Targeted By Yersinia Tyrosine Phosphatase YopH. PLoS ONE, 2009, 4, e4431.	2.5	28
151	Complement C5a induces PD-L1 expression and acts in synergy with LPS through Erk1/2 and JNK signaling pathways. Scientific Reports, 2016, 6, 33346.	3.3	27
152	Cutting Edge: Eosinophils Undergo Caspase-1â€"Mediated Pyroptosis in Response to Necrotic Liver Cells. Journal of Immunology, 2017, 199, 847-853.	0.8	27
153	Association of Protein-tyrosine Phosphatase MEG2 via Its Sec14p Homology Domain with Vesicle-trafficking Proteins. Journal of Biological Chemistry, 2007, 282, 15170-15178.	3.4	26
154	Luminescent Silica Nanobeads:Â Characterization and Evaluation as Efficient Cytoplasmatic Transporters for T-Lymphocytes. Journal of the American Chemical Society, 2007, 129, 7814-7823.	13.7	26
155	Synthesis and Characterization of Supramolecular Nanostructures of Carbon Nanotubes and Ruthenium-Complex Luminophores. Journal of Nanoscience and Nanotechnology, 2006, 6, 1381-1386.	0.9	25
156	Bcrâ€‰â€"â€‰Abl-mediated resistance to apoptosis is independent of PI 3-kinase activity. Cell Death and Differentiation, 1997, 4, 548-554.	11.2	24
157	Yersinia Phosphatase Induces Mitochondrially Dependent Apoptosis of T Cells. Journal of Biological Chemistry, 2005, 280, 10388-10394.	3.4	24
158	The C?terminus of T?cell-specific adapter protein (TSAd) is necessary for TSAd-mediated inhibition of Lck activity. European Journal of Immunology, 2005, 35, 1612-1620.	2.9	23
159	SHP1 expression in bone marrow biopsies of myelodysplastic syndrome patients: a new prognostic factor. British Journal of Haematology, 2005, 129, 791-794.	2.5	22
160	SKAP55 modulates T cell antigen receptor-induced activation of the Rasâ€"Erkâ€"AP1 pathway by binding RasGRP1. Molecular Immunology, 2008, 45, 510-522.	2.2	22
161	TCR-induced downregulation of protein tyrosine phosphatase PEST augments secondary T cell responses. Molecular Immunology, 2008, 45, 3074-3084.	2.2	22
162	Synergistic Actions of Blocking Angiopoietin-2 and Tumor Necrosis Factor-Î± in Suppressing Remodeling of Blood Vessels and Lymphatics in Airway Inflammation. American Journal of Pathology, 2015, 185, 2949-2968.	3.8	22

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163	Involvement of Src-homology-2-domain-containing Protein-tyrosine Phosphatase 2 in T Cell Activation. FEBS Journal, 1996, 237, 736-742.	0.2	21
164	A novel isoform of the low molecular weight phosphotyrosine phosphatase, LMPTP-C, arising from alternative mRNA splicing. FEBS Journal, 1999, 262, 277-282.	0.2	20
165	VHY, a Novel Myristoylated Testis-restricted Dual Specificity Protein Phosphatase Related to VHX. Journal of Biological Chemistry, 2004, 279, 32586-32591.	3.4	20
166	Characterization of the Hypercitrullination Reaction in Human Neutrophils and Other Leukocytes. Mediators of Inflammation, 2015, 2015, 1-9.	3.0	20
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