

# Benjamin G Neel

## List of Publications by Year in Descending Order

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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.

148  
papers

18,529  
citations

72  
h-index

136  
g-index

158  
ext. papers

20,589  
ext. citations

15.9  
avg. IF

6.45  
L-index

#	Paper	IF	Citations
148	Signal transfer in human protein tyrosine phosphatase PTP1B from allosteric inhibitor P00058. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-10	3.6	0
147	SHP2 inhibition diminishes KRASG12C cycling and promotes tumor microenvironment remodeling. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	53
146	SHP2 drives inflammation-triggered insulin resistance by reshaping tissue macrophage populations. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	7
145	Computational modeling of ovarian cancer dynamics suggests optimal strategies for therapy and screening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
144	Genetically Defined Syngeneic Mouse Models of Ovarian Cancer as Tools for the Discovery of Combination Immunotherapy. <i>Cancer Discovery</i> , <b>2021</b> , 11, 384-407	24.4	18
143	Genetically Defined, Syngeneic Organoid Platform for Developing Combination Therapies for Ovarian Cancer. <i>Cancer Discovery</i> , <b>2021</b> , 11, 362-383	24.4	15
142	Combined Inhibition of SHP2 and CXCR1/2 Promotes Anti-Tumor T Cell Response in NSCLC. <i>Cancer Discovery</i> , <b>2021</b> ,	24.4	6
141	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer.. <i>Cancer Discovery</i> , <b>2021</b> ,	24.4	4
140	Hyperactive CDK2 Activity in Basal-like Breast Cancer Imposes a Genome Integrity Liability that Can Be Exploited by Targeting DNA Polymerase $\delta$ <i>Molecular Cell</i> , <b>2020</b> , 80, 682-698.e7	17.6	13
139	Piecing Together a Broken Tumor Suppressor Phosphatase for Cancer Therapy. <i>Cell</i> , <b>2020</b> , 181, 514-517	56.2	11
138	Raymond L. Erikson (1936-2020). <i>Cell</i> , <b>2020</b> , 181, 961-963	56.2	
137	The Protein Tyrosine Phosphatase Receptor Delta Regulates Developmental Neurogenesis. <i>Cell Reports</i> , <b>2020</b> , 30, 215-228.e5	10.6	14
136	Distinct fibroblast functional states drive clinical outcomes in ovarian cancer and are regulated by TCF21. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	17
135	Quantitative phosphoproteomic analysis reveals involvement of PD-1 in multiple T cell functions. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 18036-18050	5.4	8
134	U.S. Biomedical Research Needs More Immigrant Scientists, Not Fewer!. <i>Cancer Cell</i> , <b>2020</b> , 38, 308	24.3	0
133	Activated Thiol Sepharose-based proteomic approach to quantify reversible protein oxidation. <i>FASEB Journal</i> , <b>2019</b> , 33, 12336-12347	0.9	2
132	The Noonan Syndrome-linked Raf1L613V mutation drives increased glial number in the mouse cortex and enhanced learning. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008108	6	15

131	N-Glycoproteomics of Patient-Derived Xenografts: A Strategy to Discover Tumor-Associated Proteins in High-Grade Serous Ovarian Cancer. <i>Cell Systems</i> , <b>2019</b> , 8, 345-351.e4	10.6	11
130	A Genomically Characterized Collection of High-Grade Serous Ovarian Cancer Xenografts for Preclinical Testing. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 1120-1131	5.8	18
129	SHP2 regulates skeletal cell fate by modifying SOX9 expression and transcriptional activity. <i>Bone Research</i> , <b>2018</b> , 6, 12	13.3	22
128	Affinity purification mass spectrometry analysis of PD-1 uncovers SAP as a new checkpoint inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E468-E477 <sup>51</sup>	11.5	51
127	Vitamin C in Stem Cell Reprogramming and Cancer. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 698-708	18.3	90
126	Gain-of-function mutations in the gene encoding the tyrosine phosphatase SHP2 induce hydrocephalus in a catalytically dependent manner. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	15
125	A ERK/RSK-mediated negative feedback loop regulates M-CSF-evoked PI3K/AKT activation in macrophages. <i>FASEB Journal</i> , <b>2018</b> , 32, 875-887	0.9	26
124	SHP2 Inhibition Prevents Adaptive Resistance to MEK Inhibitors in Multiple Cancer Models. <i>Cancer Discovery</i> , <b>2018</b> , 8, 1237-1249	24.4	125
123	Off-target inhibition by active site-targeting SHP2 inhibitors. <i>FEBS Open Bio</i> , <b>2018</b> , 8, 1405-1411	2.7	32
122	Deficiency in Protein Tyrosine Phosphatase PTP1B Shortens Lifespan and Leads to Development of Acute Leukemia. <i>Cancer Research</i> , <b>2018</b> , 78, 75-87	10.1	15
121	Pathologic Oxidation of PTPN12 Underlies ABL1 Phosphorylation in Hereditary Leiomyomatosis and Renal Cell Carcinoma. <i>Cancer Research</i> , <b>2018</b> , 78, 6539-6548	10.1	9
120	Interrogation of Functional Cell-Surface Markers Identifies CD151 Dependency in High-Grade Serous Ovarian Cancer. <i>Cell Reports</i> , <b>2017</b> , 18, 2343-2358	10.6	33
119	Cellular interplay via cytokine hierarchy causes pathological cardiac hypertrophy in RAF1-mutant Noonan syndrome. <i>Nature Communications</i> , <b>2017</b> , 8, 15518	17.4	15
118	Critical Role for GAB2 in Neuroblastoma Pathogenesis through the Promotion of SHP2/MYCN Cooperation. <i>Cell Reports</i> , <b>2017</b> , 18, 2932-2942	10.6	21
117	A Global Analysis of the Receptor Tyrosine Kinase-Protein Phosphatase Interactome. <i>Molecular Cell</i> , <b>2017</b> , 65, 347-360	17.6	73
116	Assay to visualize specific protein oxidation reveals spatio-temporal regulation of SHP2. <i>Nature Communications</i> , <b>2017</b> , 8, 466	17.4	29
115	Restoration of TET2 Function Blocks Aberrant Self-Renewal and Leukemia Progression. <i>Cell</i> , <b>2017</b> , 170, 1079-1095.e20	56.2	364
114	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 803-813	23.4	55

113	Functional Genomic Landscape of Human Breast Cancer Drivers, Vulnerabilities, and Resistance. <i>Cell</i> , <b>2016</b> , 164, 293-309	56.2	259
112	Integrative genetic analysis of mouse and human AML identifies cooperating disease alleles. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 25-34	16.6	20
111	Gain-of-function mutations of Ptpn11 (Shp2) cause aberrant mitosis and increase susceptibility to DNA damage-induced malignancies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 984-9	11.5	25
110	Biochemical Classification of Disease-associated Mutants of RAS-like Protein Expressed in Many Tissues (RIT1). <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 15641-52	5.4	8
109	Distinct GAB2 signaling pathways are essential for myeloid and lymphoid transformation and leukemogenesis by BCR-ABL1. <i>Blood</i> , <b>2016</b> , 127, 1803-13	2.2	17
108	Sticking It to Cancer with Molecular Glue for SHP2. <i>Cancer Cell</i> , <b>2016</b> , 30, 194-196	24.3	46
107	Role of PTPN11 (SHP2) in Cancer <b>2016</b> , 115-143		7
106	Clinical Utility of Patient-Derived Xenografts to Determine Biomarkers of Prognosis and Map Resistance Pathways in EGFR-Mutant Lung Adenocarcinoma. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, 2472-80	22.2	76
105	Oncogenic and RASopathy-associated K-RAS mutations relieve membrane-dependent occlusion of the effector-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6625-30	11.5	142
104	Activating Mutations Affecting the Dbl Homology Domain of SOS2 Cause Noonan Syndrome. <i>Human Mutation</i> , <b>2015</b> , 36, 1080-7	4.7	51
103	Leptin and insulin act on POMC neurons to promote the browning of white fat. <i>Cell</i> , <b>2015</b> , 160, 88-104	56.2	249
102	Mechanism and treatment for learning and memory deficits in mouse models of Noonan syndrome. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1736-43	25.5	97
101	New pROSPects for PTP1B: micro-managing oncogene-induced senescence. <i>Molecular Cell</i> , <b>2014</b> , 55, 651-3	17.6	
100	The RhoGEF GEF-H1 is required for oncogenic RAS signaling via KSR-1. <i>Cancer Cell</i> , <b>2014</b> , 25, 181-95	24.3	64
99	Hepatic oxidative stress promotes insulin-STAT-5 signaling and obesity by inactivating protein tyrosine phosphatase N2. <i>Cell Metabolism</i> , <b>2014</b> , 20, 85-102	24.6	55
98	Next-generation sequencing identifies rare variants associated with Noonan syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11473-8	11.5	120
97	Structural insights into Noonan/LEOPARD syndrome-related mutants of protein-tyrosine phosphatase SHP2 (PTPN11). <i>BMC Structural Biology</i> , <b>2014</b> , 14, 10	2.7	39
96	Leukemogenic Ptpn11 allele causes defective erythropoiesis in mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e109682	3.7	7

95	Methods to monitor classical protein-tyrosine phosphatase oxidation. <i>FEBS Journal</i> , <b>2013</b> , 280, 459-75	5.7	30
94	Antagonism between binding site affinity and conformational dynamics tunes alternative cis-interactions within Shp2. <i>Nature Communications</i> , <b>2013</b> , 4, 2037	17.4	23
93	Ptpn11 deletion in a novel progenitor causes metachondromatosis by inducing hedgehog signalling. <i>Nature</i> , <b>2013</b> , 499, 491-5	50.4	145
92	From an orphan disease to a generalized molecular mechanism: PTPN11 loss-of-function mutations in the pathogenesis of metachondromatosis. <i>Rare Diseases (Austin, Tex)</i> , <b>2013</b> , 1, e26657		4
91	Megakaryocyte-specific deletion of the protein-tyrosine phosphatases Shp1 and Shp2 causes abnormal megakaryocyte development, platelet production, and function. <i>Blood</i> , <b>2013</b> , 121, 4205-20	2.2	58
90	Redox Regulation of PTPs in Metabolism: Focus on Assays <b>2013</b> , 1-26		
89	Tyrosyl phosphorylation toggles a Runx1 switch. <i>Genes and Development</i> , <b>2012</b> , 26, 1520-6	12.6	4
88	Essential gene profiles in breast, pancreatic, and ovarian cancer cells. <i>Cancer Discovery</i> , <b>2012</b> , 2, 172-189	24.4	221
87	The signaling adaptor GAB1 regulates cell polarity by acting as a PAR protein scaffold. <i>Molecular Cell</i> , <b>2012</b> , 47, 469-83	17.6	28
86	Increased BRAF heterodimerization is the common pathogenic mechanism for noonan syndrome-associated RAF1 mutants. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 3872-90	4.8	25
85	Hepatocyte-specific Ptpn6 deletion protects from obesity-linked hepatic insulin resistance. <i>Diabetes</i> , <b>2012</b> , 61, 1949-58	0.9	30
84	Substrate specificity of protein tyrosine phosphatases 1B, RPTP $\beta$ -SHP-1, and SHP-2. <i>Biochemistry</i> , <b>2011</b> , 50, 2339-56	3.2	67
83	Global proteomic assessment of the classical protein-tyrosine phosphatome and "Redoxome". <i>Cell</i> , <b>2011</b> , 146, 826-40	56.2	133
82	SHP2 tyrosine phosphatase converts parafibromin/Cdc73 from a tumor suppressor to an oncogenic driver. <i>Molecular Cell</i> , <b>2011</b> , 43, 45-56	17.6	71
81	Essential role for Ptpn11 in survival of hematopoietic stem and progenitor cells. <i>Blood</i> , <b>2011</b> , 117, 4253-61	6.1	72
80	Phenotypic heterogeneity and instability of human ovarian tumor-initiating cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6468-73	11.5	175
79	MEK-ERK pathway modulation ameliorates disease phenotypes in a mouse model of Noonan syndrome associated with the Raf1(L613V) mutation. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1009-25	15.9	142
78	Rapamycin reverses hypertrophic cardiomyopathy in a mouse model of LEOPARD syndrome-associated PTPN11 mutation. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1026-43	15.9	178

77	SH2 Domain-Containing Protein-Tyrosine Phosphatases <b>2010</b> , 771-809		13
76	Impaired SHP2-mediated extracellular signal-regulated kinase activation contributes to gefitinib sensitivity of lung cancer cells with epidermal growth factor receptor-activating mutations. <i>Cancer Research</i> , <b>2010</b> , 70, 3843-50	10.1	45
75	Altered glucose homeostasis in mice with liver-specific deletion of Src homology phosphatase 2. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 39750-8	5.4	38
74	Phosphatase-dependent and -independent functions of Shp2 in neural crest cells underlie LEOPARD syndrome pathogenesis. <i>Developmental Cell</i> , <b>2010</b> , 18, 750-62	10.2	84
73	A germline gain-of-function mutation in Ptpn11 (Shp-2) phosphatase induces myeloproliferative disease by aberrant activation of hematopoietic stem cells. <i>Blood</i> , <b>2010</b> , 116, 3611-21	2.2	51
72	Noonan syndrome cardiac defects are caused by PTPN11 acting in endocardium to enhance endocardial-mesenchymal transformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4736-41	11.5	89
71	Hidesaburo Hanafusa 1929-2009. <i>Cell</i> , <b>2009</b> , 137, 197-199		56.2
70	Hidesaburo Hanafusa 1929-2009. <i>Molecular Cell</i> , <b>2009</b> , 34, 141-143		17.6
69	Leukemogenic Ptpn11 causes fatal myeloproliferative disorder via cell-autonomous effects on multiple stages of hematopoiesis. <i>Blood</i> , <b>2009</b> , 113, 4414-24	2.2	94
68	Deletion of Ptpn11 (Shp2) in cardiomyocytes causes dilated cardiomyopathy via effects on the extracellular signal-regulated kinase/mitogen-activated protein kinase and RhoA signaling pathways. <i>Circulation</i> , <b>2008</b> , 117, 1423-35	16.7	66
67	The tyrosine phosphatase Shp2 (PTPN11) in cancer. <i>Cancer and Metastasis Reviews</i> , <b>2008</b> , 27, 179-92	9.6	287
66	SOS1 mutations are rare in human malignancies: implications for Noonan Syndrome patients. <i>Genes Chromosomes and Cancer</i> , <b>2008</b> , 47, 253-9	5	33
65	Nonreceptor protein-tyrosine phosphatases in immune cell signaling. <i>Annual Review of Immunology</i> , <b>2007</b> , 25, 473-523	34.7	141
64	Germline gain-of-function mutations in SOS1 cause Noonan syndrome. <i>Nature Genetics</i> , <b>2007</b> , 39, 70-4	36.3	447
63	Control of CNS cell-fate decisions by SHP-2 and its dysregulation in Noonan syndrome. <i>Neuron</i> , <b>2007</b> , 54, 245-62	13.9	114
62	The role of Shp2 (PTPN11) in cancer. <i>Current Opinion in Genetics and Development</i> , <b>2007</b> , 17, 23-30	4.9	200
61	Genetic and cellular mechanisms of oncogenesis. <i>Current Opinion in Genetics and Development</i> , <b>2007</b> , 17, 1-2	4.9	38
60	B cell-specific deletion of protein-tyrosine phosphatase Shp1 promotes B-1a cell development and causes systemic autoimmunity. <i>Immunity</i> , <b>2007</b> , 27, 35-48	32.3	193

59	SHP-2 activates signaling of the nuclear factor of activated T cells to promote skeletal muscle growth. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 87-97	7.3	44
58	The scaffolding adapter Gab2, via Shp-2, regulates kit-evoked mast cell proliferation by activating the Rac/JNK pathway. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 28615-26	5.4	68
57	Scaffolding adapter Grb2-associated binder 2 requires Syk to transmit signals from FcepsilonRI. <i>Journal of Immunology</i> , <b>2006</b> , 176, 2421-9	5.3	73
56	PTPN11 (Shp2) mutations in LEOPARD syndrome have dominant negative, not activating, effects. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 6785-92	5.4	228
55	An Shp2/SFK/Ras/Erk signaling pathway controls trophoblast stem cell survival. <i>Developmental Cell</i> , <b>2006</b> , 10, 317-27	10.2	190
54	SHP1 phosphatase-dependent T cell inhibition by CEACAM1 adhesion molecule isoforms. <i>Immunity</i> , <b>2006</b> , 25, 769-81	32.3	100
53	A role for the scaffolding adapter GAB2 in breast cancer. <i>Nature Medicine</i> , <b>2006</b> , 12, 114-21	50.5	172
52	Tyrosine phosphatase SHP-2 is a mediator of activity-dependent neuronal excitotoxicity. <i>EMBO Journal</i> , <b>2005</b> , 24, 305-14	13	30
51	Prognostic, therapeutic, and mechanistic implications of a mouse model of leukemia evoked by Shp2 (PTPN11) mutations. <i>Cancer Cell</i> , <b>2005</b> , 7, 179-91	24.3	220
50	Diverse biochemical properties of Shp2 mutants. Implications for disease phenotypes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 30984-93	5.4	208
49	Inhibition of IFN-alpha signaling by a PKC- and protein tyrosine phosphatase SHP-2-dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10267-72	11.5	40
48	Resveratrol inhibits angiotensin II- and epidermal growth factor-mediated Akt activation: role of Gab1 and Shp2. <i>Molecular Pharmacology</i> , <b>2005</b> , 68, 41-8	4.3	40
47	Activating mutations of the noonan syndrome-associated SHP2/PTPN11 gene in human solid tumors and adult acute myelogenous leukemia. <i>Cancer Research</i> , <b>2004</b> , 64, 8816-20	10.1	404
46	Site-selective regulation of platelet-derived growth factor beta receptor tyrosine phosphorylation by T-cell protein tyrosine phosphatase. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 2190-201	4.8	84
45	CD22 attenuates calcium signaling by potentiating plasma membrane calcium-ATPase activity. <i>Nature Immunology</i> , <b>2004</b> , 5, 651-7	19.1	85
44	Mouse model of Noonan syndrome reveals cell type- and gene dosage-dependent effects of Ptpn11 mutation. <i>Nature Medicine</i> , <b>2004</b> , 10, 849-57	50.5	335
43	Shp2 regulates SRC family kinase activity and Ras/Erk activation by controlling Csk recruitment. <i>Molecular Cell</i> , <b>2004</b> , 13, 341-55	17.6	348
42	Tyrosyl phosphorylation of Shp2 is required for normal ERK activation in response to some, but not all, growth factors. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 41677-84	5.4	154

41	SH2-Domain-Containing Protein Tyrosine Phosphatases <b>2003</b> , 707-728		6
40	The "Gab" in signal transduction. <i>Trends in Cell Biology</i> , <b>2003</b> , 13, 122-30	18.3	310
39	The Shp2 news: SH2 domain-containing tyrosine phosphatases in cell signaling. <i>Trends in Biochemical Sciences</i> , <b>2003</b> , 28, 284-93	10.3	928
38	STAT3 signalling is required for leptin regulation of energy balance but not reproduction. <i>Nature</i> , <b>2003</b> , 421, 856-9	50.4	813
37	SHP2 and SOCS3 contribute to Tyr-759-dependent attenuation of interleukin-6 signaling through gp130. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 661-71	5.4	180
36	Regulation of receptor tyrosine kinase signaling by protein tyrosine phosphatase-1B. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 739-44	5.4	202
35	SHP-1 negatively regulates neuronal survival by functioning as a TrkA phosphatase. <i>Journal of Cell Biology</i> , <b>2003</b> , 163, 999-1010	7.3	78
34	Critical role for Gab2 in transformation by BCR/ABL. <i>Cancer Cell</i> , <b>2002</b> , 1, 479-92	24.3	292
33	The docking protein Gab2 is overexpressed and estrogen regulated in human breast cancer. <i>Oncogene</i> , <b>2002</b> , 21, 5175-81	9.2	81
32	Receptor-specific regulation of phosphatidylinositol 3-kinase activation by the protein tyrosine phosphatase Shp2. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 4062-72	4.8	210
31	Mathematical models of protein kinase signal transduction. <i>Molecular Cell</i> , <b>2002</b> , 9, 957-70	17.6	400
30	Essential role for Gab2 in the allergic response. <i>Nature</i> , <b>2001</b> , 412, 186-90	50.4	274
29	Combinatorial control of the specificity of protein tyrosine phosphatases. <i>Current Opinion in Cell Biology</i> , <b>2001</b> , 13, 182-95	9	437
28	Divergent roles of SHP-2 in ERK activation by leptin receptors. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 4747-55	5.4	270
27	Mice mutant for Egfr and Shp2 have defective cardiac semilunar valvulogenesis. <i>Nature Genetics</i> , <b>2000</b> , 24, 296-9	36.3	238
26	Cutting edge: gab2 mediates an inhibitory phosphatidylinositol 3-kinase pathway in T cell antigen receptor signaling. <i>Journal of Immunology</i> , <b>2000</b> , 165, 4158-63	5.3	62
25	Activated mutants of SHP-2 preferentially induce elongation of Xenopus animal caps. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 299-311	4.8	106
24	New role for Shc in activation of the phosphatidylinositol 3-kinase/Akt pathway. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 7109-20	4.8	228



23	The Docking Molecule Gab2 Is Induced by Lymphocyte Activation and Is Involved in Signaling by Interleukin-2 and Interleukin-15 but Not Other Common $\gamma$ Chain-using Cytokines. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 26959-26966	5.4	74
22	The tyrosine phosphatase SHP-1 influences thymocyte selection by setting TCR signaling thresholds. <i>International Immunology</i> , <b>1999</b> , 11, 1999-2014	4.9	70
21	SHPS-1 is a scaffold for assembling distinct adhesion-regulated multi-protein complexes in macrophages. <i>Current Biology</i> , <b>1999</b> , 9, 927-30	6.3	84
20	Receptor-type protein-tyrosine phosphatase mu is expressed in specific vascular endothelial beds in vivo. <i>Experimental Cell Research</i> , <b>1999</b> , 248, 329-38	4.2	36
19	Regulation of early events in integrin signaling by protein tyrosine phosphatase SHP-2. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 3205-15	4.8	197
18	The B-cell transmembrane protein CD72 binds to and is an in vivo substrate of the protein tyrosine phosphatase SHP-1. <i>Current Biology</i> , <b>1998</b> , 8, 1009-17	6.3	112
17	Revealing mechanisms for SH2 domain mediated regulation of the protein tyrosine phosphatase SHP-2. <i>Structure</i> , <b>1998</b> , 6, 249-54	5.2	236
16	Genetic analysis of protein tyrosine phosphatases. <i>Current Opinion in Genetics and Development</i> , <b>1998</b> , 8, 112-26	4.9	125
15	Cloning of p97/Gab2, the major SHP2-binding protein in hematopoietic cells, reveals a novel pathway for cytokine-induced gene activation. <i>Molecular Cell</i> , <b>1998</b> , 2, 729-40	17.6	279
14	Regulation of B cell signal transduction by SH2-containing protein-tyrosine phosphatases. <i>Seminars in Immunology</i> , <b>1998</b> , 10, 329-47	10.7	60
13	Identification of major binding proteins and substrates for the SH2-containing protein tyrosine phosphatase SHP-1 in macrophages. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 3838-50	4.8	174
12	Structural determinants of SHP-2 function and specificity in <i>Xenopus</i> mesoderm induction. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 161-77	4.8	115
11	Identification of a domain in the beta subunit of the type I interferon (IFN) receptor that exhibits a negative regulatory effect in the growth inhibitory action of type I IFNs. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 5577-81	5.4	10
10	Phosphorylation of protein-tyrosine phosphatase PTP-1B on identical sites suggests activation of a common signaling pathway during mitosis and stress response in mammalian cells. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 2957-62	5.4	38
9	Protein-tyrosine phosphatase SHP-1 is dispensable for Fc $\gamma$ RIIB-mediated inhibition of B cell antigen receptor activation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 20038-43	5.4	62
8	Characterization of two SHP-2-associated binding proteins and potential substrates in hematopoietic cells. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 16421-30	5.4	69
7	Protein tyrosine phosphatases in signal transduction. <i>Current Opinion in Cell Biology</i> , <b>1997</b> , 9, 193-204	9	709
6	Role of phosphatases in lymphocyte activation. <i>Current Opinion in Immunology</i> , <b>1997</b> , 9, 405-20	7.8	150

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- 4 Specific recruitment of SH-PTP1 to the erythropoietin receptor causes inactivation of JAK2 and termination of proliferative signals. *Cell*, **1995**, 80, 729-38 56.2 893
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