

# Nunzio Bottini

## List of Publications by Year in descending order

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47  
papers

6,092  
citations

201385

27  
h-index

233125

45  
g-index

47  
all docs

47  
docs citations

47  
times ranked

7560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Tyrosine Phosphatases in the Human Genome. <i>Cell</i> , 2004, 117, 699-711.	13.5	1,697
2	A functional variant of lymphoid tyrosine phosphatase is associated with type I diabetes. <i>Nature Genetics</i> , 2004, 36, 337-338.	9.4	1,226
3	Duality of fibroblast-like synoviocytes in RA: passive responders and imprinted aggressors. <i>Nature Reviews Rheumatology</i> , 2013, 9, 24-33.	3.5	715
4	Autoimmune-associated lymphoid tyrosine phosphatase is a gain-of-function variant. <i>Nature Genetics</i> , 2005, 37, 1317-1319.	9.4	643
5	PTPN22: the archetypal non-HLA autoimmunity gene. <i>Nature Reviews Rheumatology</i> , 2014, 10, 602-611.	3.5	198
6	The Autoimmunity-Associated Gene PTPN22 Potentiates Toll-like Receptor-Driven, Type 1 Interferon-Dependent Immunity. <i>Immunity</i> , 2013, 39, 111-122.	6.6	172
7	Tyrosine Phosphatase PTPN22: Multifunctional Regulator of Immune Signaling, Development, and Disease. <i>Annual Review of Immunology</i> , 2014, 32, 83-119.	9.5	167
8	Targeting Tyrosine Phosphatases: Time to End the Stigma. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 524-540.	4.0	139
9	A loss-of-function variant of PTPN22 is associated with reduced risk of systemic lupus erythematosus. <i>Human Molecular Genetics</i> , 2008, 18, 569-579.	1.4	106
10	Autoimmune-associated PTPN22 R620W Variation Reduces Phosphorylation of Lymphoid Phosphatase on an Inhibitory Tyrosine Residue. <i>Journal of Biological Chemistry</i> , 2010, 285, 26506-26518.	1.6	80
11	Epigenetics in Rheumatoid Arthritis: A Primer for Rheumatologists. <i>Current Rheumatology Reports</i> , 2013, 15, 372.	2.1	63
12	Epigenetic alterations in rheumatoid arthritis fibroblast-like synoviocytes. <i>Epigenomics</i> , 2017, 9, 479-492.	1.0	59
13	Diabetes reversal by inhibition of the low-molecular-weight tyrosine phosphatase. <i>Nature Chemical Biology</i> , 2017, 13, 624-632.	3.9	56
14	Altered thymic differentiation and modulation of arthritis by invariant NKT cells expressing mutant ZAP70. <i>Nature Communications</i> , 2018, 9, 2627.	5.8	55
15	Reduced expression of phosphatase PTPN2 promotes pathogenic conversion of Tregs in autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 129, 1193-1210.	3.9	51
16	Nanodrugs to target articular cartilage: An emerging platform for osteoarthritis therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 255-268.	1.7	50
17	PTP4A1 promotes TGF $\beta$ 2 signaling and fibrosis in systemic sclerosis. <i>Nature Communications</i> , 2017, 8, 1060.	5.8	46
18	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. <i>Science Translational Medicine</i> , 2015, 7, 288ra76.	5.8	44

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19	CD45-mediated control of TCR tuning in naïve and memory CD8+ T cells. <i>Nature Communications</i> , 2016, 7, 13373.	5.8	44
20	Protein Tyrosine Phosphatase Expression Profile of Rheumatoid Arthritis Fibroblast-Like Synoviocytes: A Novel Role of SH2 Domain-Containing Phosphatase 2 as a Modulator of Invasion and Survival. <i>Arthritis and Rheumatism</i> , 2013, 65, 1171-1180.	6.7	43
21	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. <i>Science Advances</i> , 2020, 6, eaba4353.	4.7	43
22	The Contribution of <i>PTPN22</i> to Rheumatic Disease. <i>Arthritis and Rheumatology</i> , 2019, 71, 486-495.	2.9	42
23	TGF $\beta$ 2 responsive tyrosine phosphatase promotes rheumatoid synovial fibroblast invasiveness. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 295-302.	0.5	35
24	Abnormal PTPN11 enhancer methylation promotes rheumatoid arthritis fibroblast-like synoviocyte aggressiveness and joint inflammation. <i>JCI Insight</i> , 2016, 1, .	2.3	34
25	Association of the acid phosphatase ( <i>ACP1</i> ) gene with triglyceride levels in obese women. <i>Molecular Genetics and Metabolism</i> , 2002, 77, 226-229.	0.5	33
26	PTPN14 phosphatase and YAP promote TGF $\beta$ 2 signalling in rheumatoid synoviocytes. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 600-609.	0.5	33
27	T-helper signals restore B-cell receptor signaling in autoreactive anergic B cells by upregulating CD45 phosphatase activity. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 839-851.e8.	1.5	30
28	Receptor Protein Tyrosine Phosphatase $\beta$ -Mediated Enhancement of Rheumatoid Synovial Fibroblast Signaling and Promotion of Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2016, 68, 359-369.	2.9	24
29	Autoimmunity-Associated LYP-W620 Does Not Impair Thymic Negative Selection of Autoreactive T Cells. <i>PLoS ONE</i> , 2014, 9, e86677.	1.1	20
30	RPTP $\beta$ phosphatase activity is allosterically regulated by the membrane-distal catalytic domain. <i>Journal of Biological Chemistry</i> , 2020, 295, 4923-4936.	1.6	18
31	Nitric Oxide Dependent Degradation of Polyethylene Glycol-Modified Single-Walled Carbon Nanotubes: Implications for Intra-Articular Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1700916.	3.9	14
32	PTPN2 links colonic and joint inflammation in experimental autoimmune arthritis. <i>JCI Insight</i> , 2020, 5, .	2.3	14
33	Deletion of low molecular weight protein tyrosine phosphatase ( <i>Acp1</i> ) protects against stress-induced cardiomyopathy. <i>Journal of Pathology</i> , 2015, 237, 482-494.	2.1	12
34	PTPN22 phosphorylation acts as a molecular rheostat for the inhibition of TCR signaling. <i>Science Signaling</i> , 2020, 13, .	1.6	11
35	Discovery of Orally Bioavailable Purine-Based Inhibitors of the Low-Molecular-Weight Protein Tyrosine Phosphatase. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5645-5653.	2.9	11
36	pCAP-based peptide substrates: The new tool in the box of tyrosine phosphatase assays. <i>Methods</i> , 2014, 65, 165-174.	1.9	10

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37	Ptpn22 and Cd2 Variations Are Associated with Altered Protein Expression and Susceptibility to Type 1 Diabetes in Nonobese Diabetic Mice. <i>Journal of Immunology</i> , 2015, 195, 4841-4852.	0.4	10
38	Integration of T helper and BCR signals governs enhanced plasma cell differentiation of memory B cells by regulation of CD45 phosphatase activity. <i>Cell Reports</i> , 2021, 36, 109525.	2.9	7
39	The low molecular weight protein tyrosine phosphatase promotes adipogenesis and subcutaneous adipocyte hypertrophy. <i>Journal of Cellular Physiology</i> , 2021, 236, 6630-6642.	2.0	6
40	Phosphatase Inhibitors Function as Novel, Broad Spectrum Botulinum Neurotoxin Antagonists in Mouse and Human Embryonic Stem Cell-Derived Motor Neuron-Based Assays. <i>PLoS ONE</i> , 2015, 10, e0129264.	1.1	6
41	Lipid-based regulators of immunity. <i>Bioengineering and Translational Medicine</i> , 0, , .	3.9	6
42	PEST control regulation of molecular barcodes by tyrosine phosphatases. <i>Cell Research</i> , 2014, 24, 1027-1028.	5.7	5
43	Emerging proteoglycans and proteoglycan-targeted therapies in rheumatoid arthritis. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C1061-C1067.	2.1	5
44	Protein Tyrosine Phosphatases in Systemic Sclerosis: Potential Pathogenic Players and Therapeutic Targets. <i>Current Rheumatology Reports</i> , 2017, 19, 28.	2.1	3
45	Oxidative stress promotes fibrosis in systemic sclerosis through stabilization of a kinase-phosphatase complex. <i>JCI Insight</i> , 2022, 7, .	2.3	3
46	Ten years after: rheumatology research from bench to bedside. <i>Nature Reviews Rheumatology</i> , 2015, 11, 623-624.	3.5	2
47	T-helper cell regulation of CD45 phosphatase activity by galectin-1 and CD43 governs chronic lymphocytic leukaemia proliferation. <i>British Journal of Haematology</i> , 0, , .	1.2	1