

# 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	Oxidative stress promotes fibrosis in systemic sclerosis through stabilization of a kinase-phosphatase complex. JCI Insight, 2022, 7, .	2.3	3
2	Emerging proteoglycans and proteoglycan-targeted therapies in rheumatoid arthritis. American Journal of Physiology - Cell Physiology, 2022, 322, C1061-C1067.	2.1	5
3	The low molecular weight protein tyrosine phosphatase promotes adipogenesis and subcutaneous adipocyte hypertrophy. Journal of Cellular Physiology, 2021, 236, 6630-6642.	2.0	6
4	Discovery of Orally Bioavailable Purine-Based Inhibitors of the Low-Molecular-Weight Protein Tyrosine Phosphatase. Journal of Medicinal Chemistry, 2021, 64, 5645-5653.	2.9	11
5	Integration of T helper and BCR signals governs enhanced plasma cell differentiation of memory B cells by regulation of CD45 phosphatase activity. Cell Reports, 2021, 36, 109525.	2.9	7
6	PTPN22 phosphorylation acts as a molecular rheostat for the inhibition of TCR signaling. Science Signaling, 2020, 13, .	1.6	11
7	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. Science Advances, 2020, 6, eaba4353.	4.7	43
8	RPTP± phosphatase activity is allosterically regulated by the membrane-distal catalytic domain. Journal of Biological Chemistry, 2020, 295, 4923-4936.	1.6	18
9	PTPN2 links colonic and joint inflammation in experimental autoimmune arthritis. JCI Insight, 2020, 5, .	2.3	14
10	PTPN14 phosphatase and YAP promote TGF $\beta$ 2 signalling in rheumatoid synoviocytes. Annals of the Rheumatic Diseases, 2019, 78, 600-609.	0.5	33
11	The Contribution of <i>PTPN22</i> to Rheumatic Disease. Arthritis and Rheumatology, 2019, 71, 486-495.	2.9	42
12	Reduced expression of phosphatase PTPN22 promotes pathogenic conversion of Tregs in autoimmunity. Journal of Clinical Investigation, 2019, 129, 1193-1210.	3.9	51
13	Nitric Oxide Dependent Degradation of Polyethylene Glycolâ€Modified Singleâ€Walled Carbon Nanotubes: Implications for Intraâ€Articular Delivery. Advanced Healthcare Materials, 2018, 7, e1700916.	3.9	14
14	Altered thymic differentiation and modulation of arthritis by invariant NKT cells expressing mutant ZAP70. Nature Communications, 2018, 9, 2627.	5.8	55
15	Protein Tyrosine Phosphatases in Systemic Sclerosis: Potential Pathogenic Players and Therapeutic Targets. Current Rheumatology Reports, 2017, 19, 28.	2.1	3
16	Targeting Tyrosine Phosphatases: Time to End the Stigma. Trends in Pharmacological Sciences, 2017, 38, 524-540.	4.0	139
17	Epigenetic alterations in rheumatoid arthritis fibroblast-like synoviocytes. Epigenomics, 2017, 9, 479-492.	1.0	59
18	Diabetes reversal by inhibition of the low-molecular-weight tyrosine phosphatase. Nature Chemical Biology, 2017, 13, 624-632.	3.9	56

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19	PTP4A1 promotes TGF $\beta$ <sup>2</sup> signaling and fibrosis in systemic sclerosis. <i>Nature Communications</i> , 2017, 8, 1060.	5.8	46
20	TGF $\beta$ <sup>2</sup> responsive tyrosine phosphatase promotes rheumatoid synovial fibroblast invasiveness. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 295-302.	0.5	35
21	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
22	CD45-mediated control of TCR tuning in naïve and memory CD8+ T cells. <i>Nature Communications</i> , 2016, 7, 13373.	5.8	44
23	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
24	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
25	Abnormal PTPN11 enhancer methylation promotes rheumatoid arthritis fibroblast-like synoviocyte aggressiveness and joint inflammation. <i>JCI Insight</i> , 2016, 1, .	2.3	34
26	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
27	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. <i>Science Translational Medicine</i> , 2015, 7, 288ra76.	5.8	44
28	Ten years after: rheumatology research from bench to bedside. <i>Nature Reviews Rheumatology</i> , 2015, 11, 623-624.	3.5	2
29	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
30	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
31	Autoimmunity-Associated LYP-W620 Does Not Impair Thymic Negative Selection of Autoreactive T Cells. <i>PLoS ONE</i> , 2014, 9, e86677.	1.1	20
32	PEST control regulation of molecular barcodes by tyrosine phosphatases. <i>Cell Research</i> , 2014, 24, 1027-1028.	5.7	5
33	pCAP-based peptide substrates: The new tool in the box of tyrosine phosphatase assays. <i>Methods</i> , 2014, 65, 165-174.	1.9	10
34	Tyrosine Phosphatase PTPN22: Multifunctional Regulator of Immune Signaling, Development, and Disease. <i>Annual Review of Immunology</i> , 2014, 32, 83-119.	9.5	167
35	PTPN22: the archetypal non-HLA autoimmunity gene. <i>Nature Reviews Rheumatology</i> , 2014, 10, 602-611.	3.5	198
36	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

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37	Epigenetics in Rheumatoid Arthritis: A Primer for Rheumatologists. <i>Current Rheumatology Reports</i> , 2013, 15, 372.	2.1	63
38	Duality of fibroblast-like synoviocytes in RA: passive responders and imprinted aggressors. <i>Nature Reviews Rheumatology</i> , 2013, 9, 24-33.	3.5	715
39	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
40	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
41	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
42	Autoimmune-associated lymphoid tyrosine phosphatase is a gain-of-function variant. <i>Nature Genetics</i> , 2005, 37, 1317-1319.	9.4	643
43	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
44	Protein Tyrosine Phosphatases in the Human Genome. <i>Cell</i> , 2004, 117, 699-711.	13.5	1,697
45	Association of the acid phosphatase (ACP1) gene with triglyceride levels in obese women. <i>Molecular Genetics and Metabolism</i> , 2002, 77, 226-229.	0.5	33
46	Lipid-based regulators of immunity. <i>Bioengineering and Translational Medicine</i> , 0, , .	3.9	6
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