

Nunzio Bottini

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

6,092
citations

201674

27
h-index

233421

45
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47
all docs

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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. <i>JCI Insight</i> , 2022, 7, .	5.0	3
2	Emerging proteoglycans and proteoglycan-targeted therapies in rheumatoid arthritis. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C1061-C1067.	4.6	5
3	The low molecular weight protein tyrosine phosphatase promotes adipogenesis and subcutaneous adipocyte hypertrophy. <i>Journal of Cellular Physiology</i> , 2021, 236, 6630-6642.	4.1	6
4	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.	6.4	11
5	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.	6.4	7
6	PTPN22 phosphorylation acts as a molecular rheostat for the inhibition of TCR signaling. <i>Science Signaling</i> , 2020, 13, .	3.6	11
7	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. <i>Science Advances</i> , 2020, 6, eaba4353.	10.3	43
8	RPTP β phosphatase activity is allosterically regulated by the membrane-distal catalytic domain. <i>Journal of Biological Chemistry</i> , 2020, 295, 4923-4936.	3.4	18
9	PTPN2 links colonic and joint inflammation in experimental autoimmune arthritis. <i>JCI Insight</i> , 2020, 5, .	5.0	14
10	PTPN14 phosphatase and YAP promote TGF β ² signalling in rheumatoid synoviocytes. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 600-609.	0.9	33
11	The Contribution of PTPN22 to Rheumatic Disease. <i>Arthritis and Rheumatology</i> , 2019, 71, 486-495.	5.6	42
12	Reduced expression of phosphatase PTPN22 promotes pathogenic conversion of Tregs in autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 129, 1193-1210.	8.2	51
13	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.	7.6	14
14	Altered thymic differentiation and modulation of arthritis by invariant NKT cells expressing mutant ZAP70. <i>Nature Communications</i> , 2018, 9, 2627.	12.8	55
15	Protein Tyrosine Phosphatases in Systemic Sclerosis: Potential Pathogenic Players and Therapeutic Targets. <i>Current Rheumatology Reports</i> , 2017, 19, 28.	4.7	3
16	Targeting Tyrosine Phosphatases: Time to End the Stigma. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 524-540.	8.7	139
17	Epigenetic alterations in rheumatoid arthritis fibroblast-like synoviocytes. <i>Epigenomics</i> , 2017, 9, 479-492.	2.1	59
18	Diabetes reversal by inhibition of the low-molecular-weight tyrosine phosphatase. <i>Nature Chemical Biology</i> , 2017, 13, 624-632.	8.0	56

#	ARTICLE	IF	CITATIONS
19	PTP4A1 promotes TGF β 2 signaling and fibrosis in systemic sclerosis. <i>Nature Communications</i> , 2017, 8, 1060.	12.8	46
20	TGF β 2 responsive tyrosine phosphatase promotes rheumatoid synovial fibroblast invasiveness. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 295-302.	0.9	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.	2.9	30
22	CD45-mediated control of TCR tuning in naïve and memory CD8+ T cells. <i>Nature Communications</i> , 2016, 7, 13373.	12.8	44
23	Receptor Protein Tyrosine Phosphatase β -Mediated Enhancement of Rheumatoid Synovial Fibroblast Signaling and Promotion of Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2016, 68, 359-369.	5.6	24
24	Nanodrugs to target articular cartilage: An emerging platform for osteoarthritis therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 255-268.	3.3	50
25	Abnormal PTPN11 enhancer methylation promotes rheumatoid arthritis fibroblast-like synoviocyte aggressiveness and joint inflammation. <i>JCI Insight</i> , 2016, 1, .	5.0	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.	4.5	12
27	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. <i>Science Translational Medicine</i> , 2015, 7, 288ra76.	12.4	44
28	Ten years after: rheumatology research from bench to bedside. <i>Nature Reviews Rheumatology</i> , 2015, 11, 623-624.	8.0	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.	0.8	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.	2.5	6
31	Autoimmunity-Associated LYP-W620 Does Not Impair Thymic Negative Selection of Autoreactive T Cells. <i>PLoS ONE</i> , 2014, 9, e86677.	2.5	20
32	β PEST control regulation of molecular barcodes by tyrosine phosphatases. <i>Cell Research</i> , 2014, 24, 1027-1028.	12.0	5
33	pCAP-based peptide substrates: The new tool in the box of tyrosine phosphatase assays. <i>Methods</i> , 2014, 65, 165-174.	3.8	10
34	Tyrosine Phosphatase PTPN22: Multifunctional Regulator of Immune Signaling, Development, and Disease. <i>Annual Review of Immunology</i> , 2014, 32, 83-119.	21.8	167
35	PTPN22: the archetypal non-HLA autoimmunity gene. <i>Nature Reviews Rheumatology</i> , 2014, 10, 602-611.	8.0	198
36	The Autoimmunity-Associated Gene PTPN22 Potentiates Toll-like Receptor-Driven, Type 1 Interferon-Dependent Immunity. <i>Immunity</i> , 2013, 39, 111-122.	14.3	172

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37	Epigenetics in Rheumatoid Arthritis: A Primer for Rheumatologists. <i>Current Rheumatology Reports</i> , 2013, 15, 372.	4.7	63
38	Duality of fibroblast-like synoviocytes in RA: passive responders and imprinted aggressors. <i>Nature Reviews Rheumatology</i> , 2013, 9, 24-33.	8.0	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.	3.4	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.	2.9	106
42	Autoimmune-associated lymphoid tyrosine phosphatase is a gain-of-function variant. <i>Nature Genetics</i> , 2005, 37, 1317-1319.	21.4	643
43	A functional variant of lymphoid tyrosine phosphatase is associated with type I diabetes. <i>Nature Genetics</i> , 2004, 36, 337-338.	21.4	1,226
44	Protein Tyrosine Phosphatases in the Human Genome. <i>Cell</i> , 2004, 117, 699-711.	28.9	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.	1.1	33
46	Lipid-based regulators of immunity. <i>Bioengineering and Translational Medicine</i> , 0, , .	7.1	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, , .	2.5	1