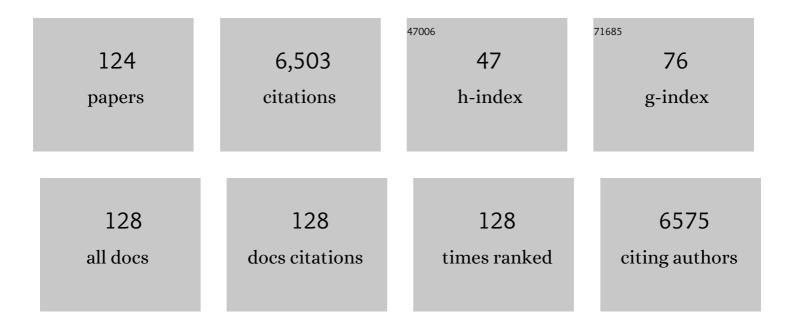
Santina Bruzzone

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Connexin 43 hemichannels mediate Ca2+â€regulated transmembrane NAD+ fluxes in intact cells. FASEB Journal, 2001, 15, 10-12.	0.5	428
2	A CD38/CD203a/CD73 ectoenzymatic pathway independent of CD39 drives a novel adenosinergic loop in human T lymphocytes. Oncolmmunology, 2013, 2, e26246.	4.6	216
3	Age at Onset: An Essential Variable for the Definition of Genetic Risk Factors for Sporadic Alzheimer's Disease. Annals of the New York Academy of Sciences, 2005, 1057, 260-278.	3.8	186
4	Abscisic acid is an endogenous cytokine in human granulocytes with cyclic ADP-ribose as second messenger. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5759-5764.	7.1	183
5	Slc12a8 is a nicotinamide mononucleotide transporter. Nature Metabolism, 2019, 1, 47-57.	11.9	183
6	The NAD+-dependent Histone Deacetylase SIRT6 Promotes Cytokine Production and Migration in Pancreatic Cancer Cells by Regulating Ca2+ Responses. Journal of Biological Chemistry, 2012, 287, 40924-40937.	3.4	151
7	Catastrophic NAD+ Depletion in Activated T Lymphocytes through Nampt Inhibition Reduces Demyelination and Disability in EAE. PLoS ONE, 2009, 4, e7897.	2.5	143
8	Extracellular NAD+Is an Agonist of the Human P2Y11Purinergic Receptor in Human Granulocytes. Journal of Biological Chemistry, 2006, 281, 31419-31429.	3.4	129
9	Abscisic Acid Is an Endogenous Stimulator of Insulin Release from Human Pancreatic Islets with Cyclic ADP Ribose as Second Messenger. Journal of Biological Chemistry, 2008, 283, 32188-32197.	3.4	129
10	CD73 Protein as a Source of Extracellular Precursors for Sustained NAD+ Biosynthesis in FK866-treated Tumor Cells. Journal of Biological Chemistry, 2013, 288, 25938-25949.	3.4	129
11	Re-evaluation of neuronal P2X7 expression using novel mouse models and a P2X7-specific nanobody. ELife, 2018, 7, .	6.0	128
12	Mesenchymal Stem Cells Shape Microglia Effector Functions Through the Release of CX3CL1. Stem Cells, 2012, 30, 2044-2053.	3.2	127
13	The temperature-signaling cascade in sponges involves a heat-gated cation channel, abscisic acid, and cyclic ADP-ribose. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14859-14864.	7.1	118
14	Evidence of a role for cyclic ADP-ribose in calcium signalling and neurotransmitter release in cultured astrocytes. Journal of Neurochemistry, 2001, 78, 646-657.	3.9	117
15	The transmembrane glycoprotein CD38 is a catalytically active transporter responsible for generation and influx of the second messenger cyclic ADPâ€ribose across membranes. FASEB Journal, 1998, 12, 1507-1520.	0.5	115
16	Expression of CD38 Increases Intracellular Calcium Concentration and Reduces Doubling Time in HeLa and 3T3 Cells. Journal of Biological Chemistry, 1998, 273, 8017-8024.	3.4	111
17	LANCL2 Is Necessary for Abscisic Acid Binding and Signaling in Human Granulocytes and in Rat Insulinoma Cells. Journal of Biological Chemistry, 2009, 284, 28045-28057.	3.4	107
18	Paracrine Roles of NAD+ and Cyclic ADP-ribose in Increasing Intracellular Calcium and Enhancing Cell Proliferation of 3T3 Fibroblasts. Journal of Biological Chemistry, 2001, 276, 21642-21648.	3.4	103

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19	Ligandâ€induced internalization of CD38 results in intracellular Ca ²⁺ mobilization: role of NAD ⁺ transport across cell membranes. FASEB Journal, 1999, 13, 273-283.	0.5	100
20	A Self-restricted CD38-connexin 43 Cross-talk Affects NAD+ and Cyclic ADP-ribose Metabolism and Regulates Intracellular Calcium in 3T3 Fibroblasts. Journal of Biological Chemistry, 2001, 276, 48300-48308.	3.4	99
21	Inhibition of Nicotinamide Phosphoribosyltransferase Reduces Neutrophil-Mediated Injury in Myocardial Infarction. Antioxidants and Redox Signaling, 2013, 18, 630-641.	5.4	95
22	Discovery of Novel and Selective SIRT6 Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4796-4804.	6.4	94
23	ABA says NO to UV-B: a universal response?. Trends in Plant Science, 2012, 17, 510-517.	8.8	85
24	The high-resolution crystal structure of periplasmic <i>Haemophilus influenzae</i> NAD nucleotidase reveals a novel enzymatic function of human CD73 related to NAD metabolism. Biochemical Journal, 2012, 441, 131-141.	3.7	83
25	The plant hormone abscisic acid increases in human plasma after hyperglycemia and stimulates glucose consumption by adipocytes and myoblasts. FASEB Journal, 2012, 26, 1251-1260.	0.5	81
26	Nicotinic Acid Phosphoribosyltransferase Regulates Cancer Cell Metabolism, Susceptibility to NAMPT Inhibitors, and DNA Repair. Cancer Research, 2017, 77, 3857-3869.	0.9	81
27	Quinazolinedione SIRT6 inhibitors sensitize cancer cells to chemotherapeutics. European Journal of Medicinal Chemistry, 2015, 102, 530-539.	5.5	78
28	Regulation and Function of Extracellular Nicotinamide Phosphoribosyltransferase/Visfatin. , 2017, 7, 603-621.		78
29	Abscisic Acid Released by Human Monocytes Activates Monocytes and Vascular Smooth Muscle Cell Responses Involved in Atherogenesis. Journal of Biological Chemistry, 2009, 284, 17808-17818.	3.4	74
30	Extracellular cyclic ADPâ€ribose increases intracellular free calcium concentration and stimulates proliferation of human hemopoietic progenitors. FASEB Journal, 2000, 14, 680-690.	0.5	72
31	Emerging Functions of Extracellular Pyridine Nucleotides. Molecular Medicine, 2006, 12, 324-327.	4.4	70
32	Synergistic Interactions between HDAC and Sirtuin Inhibitors in Human Leukemia Cells. PLoS ONE, 2011, 6, e22739.	2.5	68
33	Extracellular NAD+ regulates intracellular calcium levels and induces activation of human granulocytes. Biochemical Journal, 2006, 393, 697-704.	3.7	67
34	Abscisic Acid Activates the Murine Microglial Cell Line N9 through the Second Messenger Cyclic ADP-ribose. Journal of Biological Chemistry, 2009, 284, 14777-14787.	3.4	64
35	Nicotinamide Phosphoribosyltransferase Promotes Epithelial-to-Mesenchymal Transition as a Soluble Factor Independent of Its Enzymatic Activity. Journal of Biological Chemistry, 2014, 289, 34189-34204.	3.4	64
36	Pharmacological Sirt6 inhibition improves glucose tolerance in a type 2 diabetes mouse model. FASEB Journal, 2017, 31, 3138-3149.	0.5	62

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37	Equilibrative and Concentrative Nucleoside Transporters Mediate Influx of Extracellular Cyclic ADP-Ribose into 3T3 Murine Fibroblasts. Journal of Biological Chemistry, 2002, 277, 47097-47105.	3.4	61
38	P2X7-mediated Increased Intracellular Calcium Causes Functional Derangement in Schwann Cells from Rats with CMT1A Neuropathy. Journal of Biological Chemistry, 2009, 284, 23146-23158.	3.4	60
39	Cyclic ADP-Ribose-Mediated Expansion and Stimulation of Human Mesenchymal Stem Cells by the Plant Hormone Abscisic Acid. Stem Cells, 2008, 26, 2855-2864.	3.2	59
40	Antitumor effect of combined NAMPT and CD73 inhibition in an ovarian cancer model. Oncotarget, 2016, 7, 2968-2984.	1.8	57
41	Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated proliferation of human peripheral blood mononuclear cells. Biochemical Journal, 2003, 375, 395-403.	3.7	56
42	NAADP+ is an agonist of the human P2Y11 purinergic receptor. Cell Calcium, 2008, 43, 344-355.	2.4	55
43	Abscisic Acid Signaling through Cyclic ADP-ribose in Hydroid Regeneration. Journal of Biological Chemistry, 2004, 279, 39783-39788.	3.4	52
44	Glutamate-mediated overexpression of CD38 in astrocytes cultured with neurones. Journal of Neurochemistry, 2004, 89, 264-272.	3.9	52
45	Abscisic Acid: A Novel Nutraceutical for Glycemic Control. Frontiers in Nutrition, 2017, 4, 24.	3.7	52
46	Regulation of Human Mesenchymal Stem Cell Functions by an Autocrine Loop Involving NAD ⁺ Release and P2Y11-Mediated Signaling. Stem Cells and Development, 2011, 20, 1183-1198.	2.1	50
47	NAD+ Levels Control Ca2+ Store Replenishment and Mitogen-induced Increase of Cytosolic Ca2+ by Cyclic ADP-ribose-dependent TRPM2 Channel Gating in Human T Lymphocytes. Journal of Biological Chemistry, 2012, 287, 21067-21081.	3.4	50
48	Rejuvenating Sirtuins: The Rise of a New Family of Cancer Drug Targets. Current Pharmaceutical Design, 2013, 19, 614-623.	1.9	49
49	ABA- and cADPR-mediated effects on respiration and filtration downstream of the temperature-signaling cascade in sponges. Journal of Cell Science, 2003, 116, 629-636.	2.0	48
50	Potent synergistic interaction between the Nampt inhibitor APO866 and the apoptosis activator TRAIL in human leukemia cells. Experimental Hematology, 2010, 38, 979-988.	0.4	48
51	Depletion of SIRT6 enzymatic activity increases acute myeloid leukemia cells' vulnerability to DNA-damaging agents. Haematologica, 2018, 103, 80-90.	3.5	48
52	SIRT6 deacetylase activity regulates NAMPT activity and NAD(P)(H) pools in cancer cells. FASEB Journal, 2019, 33, 3704-3717.	0.5	48
53	Nicotinamide Phosphoribosyltransferase (NAMPT) Inhibitors as Therapeutics: Rationales, Controversies, Clinical Experience. Current Drug Targets, 2013, 14, 637-643.	2.1	48
54	Nicotinamide phosphoribosyltransferase inhibition reduces intraplaque CXCL1 production and associated neutrophil infiltration in atherosclerotic mice. Thrombosis and Haemostasis, 2014, 112, 308-322.	3.4	44

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55	Concentrative Uptake of Cyclic ADP-ribose Generated by BST-1+ Stroma Stimulates Proliferation of Human Hematopoietic Progenitors. Journal of Biological Chemistry, 2005, 280, 5343-5349.	3.4	43
56	Autocrine abscisic acid mediates the UVâ€Bâ€induced inflammatory response in human granulocytes and keratinocytes. Journal of Cellular Physiology, 2012, 227, 2502-2510.	4.1	40
57	The Plant Hormone Abscisic Acid Stimulates the Proliferation of Human Hemopoietic Progenitors through the Second Messenger Cyclic ADP-Ribose. Stem Cells, 2009, 27, 2469-2477.	3.2	38
58	G-protein coupling and nuclear translocation of the human abscisic acid receptor LANCL2. Scientific Reports, 2016, 6, 26658.	3.3	38
59	Stromaâ€generated cyclic ADPâ€ribose stimulates the expansion of early human hemopoietic progenitors by a paracrine interaction. FASEB Journal, 2001, 15, 1610-1612.	0.5	37
60	Binding of abscisic acid to human LANCL2. Biochemical and Biophysical Research Communications, 2011, 415, 390-395.	2.1	37
61	Autocrine abscisic acid plays a key role in quartzâ€induced macrophage activation. FASEB Journal, 2012, 26, 1261-1271.	0.5	37
62	SIRT6 inhibitors with salicylate-like structure show immunosuppressive and chemosensitizing effects. Bioorganic and Medicinal Chemistry, 2017, 25, 5849-5858.	3.0	37
63	CD38 and ADP-ribosyl Cyclase Catalyze the Synthesis of a Dimeric ADP-ribose That Potentiates the Calcium-mobilizing Activity of Cyclic ADP-ribose. Journal of Biological Chemistry, 1997, 272, 12945-12951.	3.4	36
64	Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated activation of murine N9 microglial cell line. Journal of Neurochemistry, 2006, 99, 165-176.	3.9	36
65	Extracellular cyclic ADP-ribose potentiates ACh-induced contraction in bovine tracheal smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L98-L106.	2.9	35
66	From The Cover: ADP-ribosyl cyclases generate two unusual adenine homodinucleotides with cytotoxic activity on mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14509-14514.	7.1	35
67	The Human Immunodeficiency Virus-1 Protein Tat and Its Discrete Fragments Evoke Selective Release of Acetylcholine from Human and Rat Cerebrocortical Terminals through Species-Specific Mechanisms. Journal of Neuroscience, 2003, 23, 6810-6818.	3.6	34
68	Human CD38 and its ligand CD31 define a uniquelamina propriaT lymphocyte signaling pathway. FASEB Journal, 2001, 15, 580-582.	0.5	33
69	The enzymatic activities of CD38 enhance CLL growth and trafficking: implications for therapeutic targeting. Leukemia, 2015, 29, 356-368.	7.2	33
70	Abscisic acid enhances glucose disposal and induces brown fat activity in adipocytes in vitro and in vivo. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 131-144.	2.4	32
71	Concentrative Influx of Functionally Active Cyclic ADP-ribose in Dimethyl Sulfoxide-differentiated HL-60 Cells. Journal of Biological Chemistry, 2004, 279, 22066-22075.	3.4	31
72	APO866 Increases Antitumor Activity of Cyclosporin-A by Inducing Mitochondrial and Endoplasmic Reticulum Stress in Leukemia Cells. Clinical Cancer Research, 2015, 21, 3934-3945.	7.0	31

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73	Impaired Increase of Plasma Abscisic Acid in Response to Oral Glucose Load in Type 2 Diabetes and in Gestational Diabetes. PLoS ONE, 2015, 10, e0115992.	2.5	31
74	Ectocellular CD38-catalyzed synthesis and intracellular Ca2+-mobilizing activity of cyclic ADP-ribose. Cell Biochemistry and Biophysics, 1998, 28, 45-62.	1.8	29
75	Spatio-temporal propagation of Ca2+ signals by cyclic ADP-ribose in 3T3 cells stimulated via purinergic P2Y receptors. Journal of Cell Biology, 2003, 163, 837-845.	5.2	29
76	Topology of CD38. , 2000, 75, 79-98.		28
77	A critical role of autophagy in antileukemia/lymphoma effects of APO866, an inhibitor of NAD biosynthesis. Autophagy, 2014, 10, 603-617.	9.1	28
78	Tolerability and efficacy study of P2X7 inhibition in experimental Charcot-Marie-Tooth type 1A (CMT1A) neuropathy. Neurobiology of Disease, 2016, 95, 145-157.	4.4	28
79	Dimeric and tetrameric forms of catalytically active transmembrane CD38 in transfected HeLa cells. FEBS Letters, 1998, 433, 275-278.	2.8	27
80	NAADP+ synthesis from cADPRP and nicotinic acid by ADP-ribosyl cyclases. Biochemical and Biophysical Research Communications, 2006, 345, 573-580.	2.1	27
81	Sirt6 inhibition delays the onset of experimental autoimmune encephalomyelitis by reducing dendritic cell migration. Journal of Neuroinflammation, 2020, 17, 228.	7.2	27
82	Abscisic Acid: A Conserved Hormone in Plants and Humans and a Promising Aid to Combat Prediabetes and the Metabolic Syndrome. Nutrients, 2020, 12, 1724.	4.1	27
83	Nampt controls skeletal muscle development by maintaining Ca2+ homeostasis and mitochondrial integrity. Molecular Metabolism, 2021, 53, 101271.	6.5	27
84	Nicotinamide Phosphoribosyltransferase as a Target in Inflammation- Related Disorders. Current Topics in Medicinal Chemistry, 2013, 13, 2930-2938.	2.1	27
85	SIRT6 enhances oxidative phosphorylation in breast cancer and promotes mammary tumorigenesis in mice. Cancer & Metabolism, 2021, 9, 6.	5.0	25
86	APO866 activity in hematologic malignancies: a preclinical in vitro study. Blood, 2009, 113, 6035-6037.	1.4	24
87	Selectivity hot-spots of sirtuin catalytic cores. Molecular BioSystems, 2015, 11, 2263-2272.	2.9	24
88	Cyclic ADPâ€ribose generation by CD38 improves human hemopoietic stem cell engraftment into NOD/SCID mice. FASEB Journal, 2003, 17, 310-312.	0.5	21
89	Abscisic acid ameliorates the systemic sclerosis fibroblast phenotype in vitro. Biochemical and Biophysical Research Communications, 2012, 422, 70-74.	2.1	19
90	Abscisic Acid Stimulates Glucagon-Like Peptide-1 Secretion from L-Cells and Its Oral Administration Increases Plasma Glucagon-Like Peptide-1 Levels in Rats. PLoS ONE, 2015, 10, e0140588.	2.5	19

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91	Amino acid depletion triggered by ÊŸ-asparaginase sensitizes MM cells to carfilzomib by inducing mitochondria ROS-mediated cell death. Blood Advances, 2020, 4, 4312-4326.	5.2	19
92	CD38 downregulation modulates NAD+ and NADP(H) levels in thermogenic adipose tissues. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158819.	2.4	18
93	Neuroprotective Potential of Dendritic Cells and Sirtuins in Multiple Sclerosis. International Journal of Molecular Sciences, 2022, 23, 4352.	4.1	15
94	Extracellular NAD+ Is an Agonist of the Human P2Y11 Purinergic Receptor in Human Granulocytes. Journal of Biological Chemistry, 2006, 281, 31419-31429.	3.4	13
95	eATP/P2X7R Axis: An Orchestrated Pathway Triggering Inflammasome Activation in Muscle Diseases. International Journal of Molecular Sciences, 2020, 21, 5963.	4.1	11
96	P2X7 Receptor Antagonist Reduces Fibrosis and Inflammation in a Mouse Model of Alpha-Sarcoglycan Muscular Dystrophy. Pharmaceuticals, 2022, 15, 89.	3.8	11
97	Diadenosine Homodinucleotide Products of ADP-ribosyl Cyclases Behave as Modulators of the Purinergic Receptor P2X7. Journal of Biological Chemistry, 2010, 285, 21165-21174.	3.4	10
98	Toward a Medicine-Oriented Use of the Human Hormone/Nutritional Supplement Abscisic Acid. Messenger (Los Angeles, Calif: Print), 2014, 3, 86-97.	0.3	10
99	Reply to: Absence of evidence that Slc12a8 encodes a nicotinamide mononucleotide transporter. Nature Metabolism, 2019, 1, 662-665.	11.9	10
100	Identification of NAPRT Inhibitors with Anti-Cancer Properties by In Silico Drug Discovery. Pharmaceuticals, 2022, 15, 848.	3.8	10
101	Mitochondrial Dysfunction Induced by a Cytotoxic Adenine Dinucleotide Produced by ADP-ribosyl Cyclases from cADPR. Journal of Biological Chemistry, 2007, 282, 5045-5052.	3.4	9
102	Adenylic Dinucleotides Produced by CD38 Are Negative Endogenous Modulators of Platelet Aggregation. Journal of Biological Chemistry, 2008, 283, 24460-24468.	3.4	9
103	The Danger Signal Extracellular ATP Is Involved in the Immunomediated Damage of α-Sarcoglycan–Deficient Muscular Dystrophy. American Journal of Pathology, 2019, 189, 354-369.	3.8	9
104	Functional characterization of a synthetic abscisic acid analog with anti-inflammatory activity on human granulocytes and monocytes. Biochemical and Biophysical Research Communications, 2011, 415, 696-701.	2.1	8
105	The Diadenosine Homodinucleotide P18 Improves In Vitro Myelination in Experimental Charcotâ€Marieâ€Tooth Type 1A. Journal of Cellular Biochemistry, 2014, 115, 161-167.	2.6	8
106	Differential modulation of SIRT6 deacetylase and deacylase activities by lysine-based small molecules. Molecular Diversity, 2020, 24, 655-671.	3.9	8
107	Structure-Based Identification and Biological Characterization of New NAPRT Inhibitors. Pharmaceuticals, 2022, 15, 855.	3.8	8
108	Subcellular and Intercellular Traffic of NAD ⁺ , NAD ⁺ Precursors and NAD ⁺ -Derived Signal Metabolites and Second Messengers: Old and New Topological Paradoxes. Messenger (Los Angeles, Calif: Print), 2012, 1, 34-52.	0.3	6

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109	Fluridone as a new anti-inflammatory drug. European Journal of Pharmacology, 2013, 720, 7-15.	3.5	6
110	Abscisic Acid: A New Mammalian Hormone Regulating Glucose Homeostasis. Messenger (Los Angeles,) Tj ETQqO	08.ggBT /0	Dyerlock 10
111	Editorial (Thematic Issue: NAD ⁺ Biosynthesis and Signaling as an Emerging Area in) Tj ETQq1 1 0.784	4314 rgBT 2.1	/Qverlock 1
112	Abscisic acid stimulates the release of insulin and of GLPâ€I in the rat perfused pancreas and intestine. Diabetes/Metabolism Research and Reviews, 2019, 35, e3102.	4.0	5
113	Protein kinase G phosphorylates the Alzheimer's diseaseâ€associated tau protein at distinct Ser/Thr sites. BioFactors, 2021, 47, 126-134.	5.4	5
114	Subcellular and Extracellular Trafficking of NAD+ and Cyclic ADP-Ribose: A New Way for Regulating Intracellular Calcium Homeostasis. , 2002, , 241-267.		4
115	Probing Allosteric Hsp70 Inhibitors by Molecular Modelling Studies to Expedite the Development of Novel Combined F508del CFTR Modulators. Pharmaceuticals, 2021, 14, 1296.	3.8	4
116	Role of CD38 in Adipose Tissue: Tuning Coenzyme Availability?. Nutrients, 2021, 13, 3734.	4.1	2
117	Rejuvenating Sirtuins: The Rise of a New Family of Cancer Drug Targets. Current Pharmaceutical Design, 2012, 19, 614-623.	1.9	1
118	Cycling Assay for Determining Intracellular Cyclic ADP-Ribose Levels. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot072991.	0.3	1
119	Editorial: The Versatile Role of Nicotinamide Adenine Dinucleotide in Immunity. Frontiers in Immunology, 2021, 12, 810280.	4.8	1
120	NAD ⁺ Levels Control T Cell Calcium Signaling and Activation. Messenger (Los) Tj ETQq0 (08.gBT /0	Overlock 10
121	Deacetylase Inhibitor Cocktails Provide Striking Synergistic Interactions in Human Leukemia Cells Blood, 2009, 114, 4404-4404.	1.4	0

122	Nicotinamide Phosphoribosyltransferase (NAMPT) Inhibitors as Therapeutics: Rationales, Controversies, Clinical Experience. Current Drug Targets, 2013, 999, 1-6.	2.1	0
123	Regulation Of CLL Growth and Trafficking By The Enzymatic Functions Of CD38: Implications For Therapeutic Targeting. Blood, 2013, 122, 4112-4112.	1.4	0

Abstract 4461: Sirt6 deletion slows mouse mammary tumorigenesis. , 2018, , .