Paola Bruni

List of Publications by Year in descending order

109 papers	3,328 citations	117625 34 h-index	182427 51 g-index
111 all docs	111 docs citations	111 times ranked	3148 citing authors

#	Article	IF	Citations
1	Endothelial Nitric Oxide Synthase Activation by Tumor Necrosis Factor Î± Through Neutral Sphingomyelinase 2, Sphingosine Kinase 1, and Sphingosine 1 Phosphate Receptors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 99-105.	2.4	147
2	Transforming Growth Factor-Î²1 Induces Transdifferentiation of Myoblasts into Myofibroblasts via Up-Regulation of Sphingosine Kinase-1/S1P₃ Axis. Molecular Biology of the Cell, 2010, 21, 1111-1124.	2.1	136
3	The Î²-Amyloid Precursor Protein APP Is Tyrosine-phosphorylated in Cells Expressing a Constitutively Active Form of the Abl Protoncogene. Journal of Biological Chemistry, 2001, 276, 19787-19792.	3.4	111
4	Sphingosine 1â€phosphate regulates myogenic differentiation: a major role for S1P 2 receptor. FASEB Journal, 2005, 19, 1-22.	0.5	106
5	Transcription regulation by the adaptor protein Fe65 and the nucleosome assembly factor SET. EMBO Reports, 2005, 6, 77-82.	4.5	86
6	Selective adenosine A2a receptor antagonism reduces JNK activation in oligodendrocytes after cerebral ischaemia. Brain, 2009, 132, 1480-1495.	7.6	85
7	Ecto-ATPase inhibition: ATP and adenosine release under physiological and ischemic in vivo conditions in the rat striatum. Experimental Neurology, 2012, 233, 193-204.	4.1	84
8	Sphingosine 1-phosphate increases glucose uptake through trans-activation of insulin receptor. Cellular and Molecular Life Sciences, 2009, 66, 3207-3218.	5.4	76
9	Sphingosine 1-phosphate stimulates proliferation and migration of satellite cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 439-450.	4.1	74
10	Sphingosine 1-Phosphate Mediates Proliferation and Survival of Mesoangioblasts. Stem Cells, 2007, 25, 1713-1719.	3.2	69
11	Sphingosine 1-phosphate regulates cytoskeleton dynamics: Implications in its biological response. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 2037-2048.	2.6	67
12	RELAXIN IN HUMAN DECIDUA. Journal of Clinical Endocrinology and Metabolism, 1980, 51, 939-941.	3.6	63
13	Glutathione transport system in human small intestine epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1330, 274-283.	2.6	63
14	Sphingosine 1-phosphate induces cytoskeletal reorganization in C2C12 myoblasts: physiological relevance for stress fibres in the modulation of ion current through stretch-activated channels. Journal of Cell Science, 2005, 118, 1161-1171.	2.0	63
15	Sphingosine kinase activity is required for myogenic differentiation of C2C12 myoblasts. Journal of Cellular Physiology, 2008, 214, 210-220.	4.1	62
16	Effect of Rho and ADP-ribosylation Factor GTPases on Phospholipase D Activity in Intact Human Adenocarcinoma A549 Cells. Journal of Biological Chemistry, 1999, 274, 18605-18612.	3.4	60
17	Ceramide 1-phosphate stimulates proliferation of C2C12 myoblasts. Biochimie, 2012, 94, 597-607.	2.6	60
18	Pleiotropic effects of sphingolipids in skeletal muscle. Cellular and Molecular Life Sciences, 2008, 65, 3725-3736.	5.4	59

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19	Sphingosine 1-phosphate induces differentiation of adipose tissue-derived mesenchymal stem cells towards smooth muscle cells. Cellular and Molecular Life Sciences, 2009, 66, 1741-1754.	5.4	58
20	Neutral/Alkaline and Acid Ceramidase Activities Are Actively Released by Murine Endothelial Cells. Biochemical and Biophysical Research Communications, 2000, 275, 746-751.	2.1	50
21	Receptor-mediated activation of phospholipase D by sphingosine 1-phosphate in skeletal muscle C2C12 cells. FEBS Letters, 1999, 457, 184-188.	2.8	49
22	Sphingosine 1-phosphate axis: a new leader actor in skeletal muscle biology. Frontiers in Physiology, 2013, 4, 338.	2.8	45
23	Sphingosine 1-phosphate evokes calcium signals in C2C12 myoblasts via Edg3 and Edg5 receptors. Biochemical Journal, 2002, 362, 349-357.	3.7	43
24	Sphingosine Kinase Mediates Resistance to the Synthetic Retinoid N-(4-Hydroxyphenyl)retinamide in Human Ovarian Cancer Cells. Journal of Biological Chemistry, 2010, 285, 18594-18602.	3.4	43
25	Down-regulation of EDG5/S1P2 during myogenic differentiation results in the specific uncoupling of sphingosine 1-phosphate signalling to phospholipase D. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2003, 1633, 133-142.	2.4	42
26	TGFÎ²1 evokes myoblast apoptotic responseviaa novel signaling pathway involving S1P₄transactivation upstream of Rhoâ€kinaseâ€2 activation. FASEB Journal, 2013, 27, 4532-4546.	0.5	41
27	Sphingosine 1-phosphate inhibits cell migration in C2C12 myoblasts. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 43-51.	2.4	40
28	Tumor necrosis factorâ€Î± exerts proâ€myogenic action in C2C12 myoblasts via sphingosine kinase/S1P₂ signaling. FEBS Letters, 2007, 581, 4384-4388.	2.8	40
29	Transformation of balb3T3 cells with EJ/T24/H-Ras oncogene inhibits adenylate cyclase response to Î²-adrenergic agonist while increases muscarinic receptor dependent hydrolysis of inositol lipids. Biochemical and Biophysical Research Communications, 1985, 132, 900-907.	2.1	38
30	Synthesis of diacylglycerol de novo is responsible for permanent activation and down-regulation of protein kinase C in transformed cells. Biochemical and Biophysical Research Communications, 1989, 164, 816-823.	2.1	38
31	Characterization of sphingomyelinase activity released by thrombin-stimulated platelets. Molecular and Cellular Biochemistry, 2000, 205, 75-81.	3.1	38
32	Permissive role of protein kinase CÎ± but not protein kinase CÎ´ in sphingosine 1â€phosphateâ€induced RhoA activation in C2C12 myoblasts. FEBS Letters, 2000, 482, 97-101.	2.8	38
33	Î²3-adrenoreceptor blockade reduces tumor growth and increases neuronal differentiation in neuroblastoma via SK2/S1P2 modulation. Oncogene, 2020, 39, 368-384.	5.9	37
34	Sphingosine kinase/sphingosine 1-phosphate axis: a new player for insulin-like growth factor-1-induced myoblast differentiation. Skeletal Muscle, 2012, 2, 15.	4.2	36
35	Sphingosine kinase-1/S1P1 signalling axis negatively regulates mitogenic response elicited by PDGF in mouse myoblasts. Cellular Signalling, 2010, 22, 1688-1699.	3.6	35
36	NMR metabolomics highlights sphingosine kinaseâ€1 as a new molecular switch in the orchestration of aberrant metabolic phenotype in cancer cells. Molecular Oncology, 2017, 11, 517-533.	4.6	35

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37	Sphingosine 1-phosphate differentially regulates proliferation of C2C12 reserve cells and myoblasts. Molecular and Cellular Biochemistry, 2008, 314, 193-199.	3.1	34
38	Pertussis Toxin-Catalyzed ADP-Ribosylation: Effects on the Coupling of Inhibitory Receptors to the Adenylate Cyclase System. Journal of Receptors and Signal Transduction, 1984, 4, 459-474.	1.2	29
39	Sphingosine 1-phosphate induces Ca2+ transients and cytoskeletal rearrangement in C2C12 myoblastic cells. American Journal of Physiology - Cell Physiology, 2002, 282, C1361-C1373.	4.6	29
40	An Active Form of Sphingosine Kinase-1 Is Released in the Extracellular Medium as Component of Membrane Vesicles Shed by Two Human Tumor Cell Lines. Journal of Oncology, 2010, 2010, 1-10.	1.3	29
41	CTGF/CCN2 exerts profibrotic action in myoblasts via the up-regulation of sphingosine kinase-1/S1P3 signaling axis: Implications in the action mechanism of TGFÎ². Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 194-202.	2.4	29
42	TGFÎ² protects mesoangioblasts from apoptosis via sphingosine kinase-1 regulation. Cellular Signalling, 2009, 21, 228-236.	3.6	28
43	Sphingosine 1-phosphate evokes calcium signals in C2C12 myoblasts via Edg3 and Edg5 receptors. Biochemical Journal, 2002, 362, 349.	3.7	27
44	Effects of sphingosine 1-phosphate on excitationâ€“contraction coupling in mammalian skeletal muscle. Journal of Muscle Research and Cell Motility, 2003, 24, 539-554.	2.0	27
45	Sphingosine 1â€phosphate induces cell contraction via calciumâ€independent/Rhoâ€dependent pathways in undifferentiated skeletal muscle cells. Journal of Cellular Physiology, 2004, 198, 1-11.	4.1	26
46	Activation of Phospholipase D by Bradykinin and Sphingosine 1-Phosphate in A549 Human Lung Adenocarcinoma Cells via Different GTP-Binding Proteins and Protein Kinase C Delta Signaling Pathwaysâ€. Biochemistry, 2003, 42, 284-292.	2.5	25
47	Bradykinin mediates myogenic differentiation in murine myoblasts through the involvement of SK1/Spns2/S1P2 axis. Cellular Signalling, 2018, 45, 110-121.	3.6	25
48	Lysophosphatidic Acid Signaling Axis Mediates Ceramide 1-Phosphate-Induced Proliferation of C2C12 Myoblasts. International Journal of Molecular Sciences, 2018, 19, 139.	4.1	25
49	Increase of the glycolytic rate in human resting fibroblasts following serum stimulation. FEBS Letters, 1983, 159, 39-42.	2.8	24
50	Activation of Phospholipase D in Human Fibroblasts by Ceramide and Sphingosine: Evaluation of Their Modulatory Role in Bradykinin Stimulation of Phospholipase D. Biochemical and Biophysical Research Communications, 1996, 225, 392-399.	2.1	24
51	Localization of neutral ceramidase in caveolin-enriched light membranes of murine endothelial cells. FEBS Letters, 2001, 506, 163-168.	2.8	24
52	Sphingosine 1-Phosphate Induces Differentiation of Mesoangioblasts towards Smooth Muscle. A Role for GATA6. PLoS ONE, 2011, 6, e20389.	2.5	23
53	S1P₂receptor promotes mouse skeletal muscle regeneration. Journal of Applied Physiology, 2012, 113, 707-713.	2.5	23
54	The effect of insulin on Fru-2,6-P2 levels in human fibroblasts. FEBS Letters, 1984, 171, 117-120.	2.8	22

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55	Identification of a Specific Transport System for L-Arginine in Human Platelets. Biochemical and Biophysical Research Communications, 1995, 206, 878-884.	2.1	22
56	New insights into the role of sphingosine 1-phosphate and lysophosphatidic acid in the regulation of skeletal muscle cell biology. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 176-184.	2.4	22
57	Adenosine A2B receptors inhibit K+ currents and cell differentiation in cultured oligodendrocyte precursor cells and modulate sphingosine-1-phosphate signaling pathway. Biochemical Pharmacology, 2020, 177, 113956.	4.4	22
58	Transformation by ras oncogene induces nuclear shift of protein kinase C. Biochemical and Biophysical Research Communications, 1990, 173, 528-533.	2.1	21
59	Sphingosine 1-phosphate receptors modulate intracellular Ca2+ homeostasis. Biochemical and Biophysical Research Communications, 2007, 353, 268-274.	2.1	21
60	Sphingosine 1-phosphate signaling pathway in inner ear biology. New therapeutic strategies for hearing loss?. Frontiers in Aging Neuroscience, 2015, 7, 60.	3.4	21
61	Sphingosine kinase activity is required for sphingosine-mediated phospholipase D activation in C2C12 myoblasts. Biochemical Journal, 2004, 381, 655-663.	3.7	20
62	Adenosine is present in rat brain synaptic vesicles. NeuroReport, 2013, 24, 982-987.	1.2	20
63	Sphingosine 1-phosphate signaling axis mediates fibroblast growth factor 2-induced proliferation and survival of murine auditory neuroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 814-824.	4.1	20
64	Sphingosine 1-phosphate receptors are dysregulated in endometriosis: possible implication in transforming growth factor Î²â€“induced fibrosis. Fertility and Sterility, 2021, 115, 501-511.	1.0	19
65	Glutamine Utilization in Resting and Stimulated Platelets. Journal of Biochemistry, 1993, 114, 163-166.	1.7	18
66	Bradykinin Increases Ceramide and Sphingosine Content in Human Fibroblasts: Possible Involvement of Glycosphingolipids. Biochemical and Biophysical Research Communications, 1996, 221, 1-7.	2.1	18
67	Sphingosine 1-phosphate induces arachidonic acid mobilization in A549 human lung adenocarcinoma cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1483, 154-160.	2.4	18
68	Lysophosphatidic acid stimulates cell migration of satellite cells. A role for the sphingosine kinase/sphingosine 1â€phosphate axis. FEBS Journal, 2014, 281, 4467-4478.	4.7	18
69	Endothelial sphingosine kinase/SPNS2 axis is critical for vessel-like formation by human mesoangioblasts. Journal of Molecular Medicine, 2015, 93, 1145-1157.	3.9	18
70	An endpoint enzymatic assay for fructose 2,6-bisphosphate performed in 96-well plates. Analytical Biochemistry, 1989, 178, 324-326.	2.4	17
71	Sequential protein expression and selective labeling for in-cell NMR in human cells. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 527-533.	2.4	17
72	Role of sphingosine 1-phosphate signalling in tissue fibrosis. Cellular Signalling, 2021, 78, 109861.	3.6	17

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73	A phospho-oligosaccharide can reproduce the stimulatory effect of insulin on glycolytic flux in human fibroblasts. Biochemical and Biophysical Research Communications, 1990, 166, 765-771.	2.1	16
74	Neutral ceramidase secreted by endothelial cells is released in part associated with caveolin-1. Archives of Biochemistry and Biophysics, 2003, 417, 27-33.	3.0	16
75	Sphingosine 1-phosphate-mediated activation of ezrin-radixin-moesin proteins contributes to cytoskeletal remodeling and changes of membrane properties in epithelial otic vesicle progenitors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 554-565.	4.1	16
76	1,25-Dihydroxyvitamin D3 inhibits proliferation of IMR-90 human fibroblasts and stimulates pyruvate kinase activity in confluent-phase cells. Molecular and Cellular Endocrinology, 1995, 115, 141-148.	3.2	15
77	Receptor-activated phospholipase D is present in caveolin-3-enriched light membranes of C2C12 myotubes. FEBS Letters, 2000, 473, 10-14.	2.8	14
78	Role of Sphingosine 1-Phosphate Signalling Axis in Muscle Atrophy Induced by TNFÎ± in C2C12 Myotubes. International Journal of Molecular Sciences, 2021, 22, 1280.	4.1	14
79	Adenylate cyclase stimulating agents and mitogens raise fructose 2,6-bisphosphate levels in human fibroblasts Evidence for a dual control of the metabolite. FEBS Letters, 1987, 222, 27-31.	2.8	13
80	S1P₃receptor influences key physiological properties of fast-twitch extensor digitorum longus muscle. Journal of Applied Physiology, 2016, 120, 1288-1300.	2.5	13
81	Dual regulation of sphingosine 1-phosphate-induced phospholipase D activity through RhoA and protein kinase C-Î± in C2C12 myoblasts. Cellular Signalling, 2001, 13, 593-598.	3.6	12
82	Effects of pertussis toxin-catalyzed ADP-ribosylation on interactions of transducin and the inhibitory GTP-binding protein of adenylate cyclase with guanyl nucleotides. Biochemical and Biophysical Research Communications, 1985, 127, 999-1006.	2.1	11
83	Role of the glycosylphosphatidylinositol/inositol phosphoglycan system in human fibroblast proliferation. Experimental Cell Research, 1992, 200, 439-443.	2.6	11
84	HUMAN DECIDUAL RELAXIN. Annals of the New York Academy of Sciences, 1982, 380, 87-97.	3.8	10
85	Regulation of fructose 2,6-bisphosphate metabolism in human fibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 887, 23-28.	4.1	10
86	Involvement of protein kinase C and arachidonate signaling pathways in the alteration of proliferative response of senescent IMR-90 human fibroblasts. Mechanisms of Ageing and Development, 1994, 76, 101-111.	4.6	10
87	A role for calcium in sphingosine 1-phosphate-induced phospholipase D activity in C2C12 myoblasts. FEBS Letters, 2002, 521, 200-204.	2.8	10
88	Role of Sphingosine 1-Phosphate in Skeletal Muscle Cell Biology. Handbook of Experimental Pharmacology, 2013, , 457-467.	1.8	10
89	Expression and regulation of 6-phosphofructo-2-kinase/fructose-2,6-â€¨bisphosphatase isozymes in white adipose tissue. FEBS Journal, 2001, 259, 756-761.	0.2	9
90	Bradykinin stimulates fructose 2,6-bisphosphate metabolism in human fibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1221, 233-237.	4.1	8

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91	Ablation of S1P₃receptor protects mouse soleus from age-related drop in muscle mass, force, and regenerative capacity. American Journal of Physiology - Cell Physiology, 2017, 313, C54-C67.	4.6	8
92	Phosphatidic Acid Stimulates Myoblast Proliferation through Interaction with LPA1 and LPA2 Receptors. International Journal of Molecular Sciences, 2021, 22, 1452.	4.1	8
93	S1P Signalling Axis Is Necessary for Adiponectin-Directed Regulation of Electrophysiological Properties and Oxidative Metabolism in C2C12 Myotubes. Cells, 2022, 11, 713.	4.1	8
94	Fructose 2,6-bisphosphate in human platelets: Its possible role in the control of basal and thrombin-stimulated glycolysis. Biochemical and Biophysical Research Communications, 1986, 138, 666-672.	2.1	7
95	Sphingosine 1-phosphate signaling in uterine fibroids: implication in activin A pro-fibrotic effect. Fertility and Sterility, 2021, 115, 1576-1585.	1.0	7
96	An inositol phosphoglycan stimulates glycolysis in human platelets. Biochemical and Biophysical Research Communications, 1991, 180, 1041-1047.	2.1	6
97	The WD40 repeat protein, WDR36, orchestrates sphingosine kinase-1 recruitment and phospholipase C-Î²2 activation by Gq-coupled receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158704.	2.4	5
98	Sphingosine 1-phosphate lyase blockade elicits myogenic differentiation of murine myoblasts acting via Spns2/S1P2 receptor axis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158759.	2.4	5
99	Metallothionein Induction in the Sandhopper Talitrus saltator (Montagu) (Crustacea, Amphipoda). Water, Air, and Soil Pollution, 2011, 219, 343-351.	2.4	3
100	A2B Adenosine Receptors and Sphingosine 1-Phosphate Signaling Cross-Talk in Oligodendrogliogenesis. Frontiers in Neuroscience, 2021, 15, 677988.	2.8	3
101	Changes in the G6PDH/6PGDH ratio in the chick brain during development. Experientia, 1982, 38, 1042-1043.	1.2	2
102	pH sensitivity of the thrombin-induced rise in fructose 2,6-bisphosphate content of human platelets. Biochimica Et Biophysica Acta - Molecular Cell Research, 1989, 1011, 165-167.	4.1	2
103	Fructose 2,6-bisphosphate metabolism during megakaryocytic differentiation of K562 and MEG-01 cells. Molecular and Cellular Biochemistry, 1996, 156, 125-130.	3.1	2
104	Glycans Meet Sphingolipids: Structure-Based Design of Glycan Containing Analogues of a Sphingosine Kinase Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 913-920.	2.8	2
105	Sphingosine 1-phosphate signal transduction in muscle cells. Italian Journal of Biochemistry, 2003, 52, 25-7.	0.3	2
106	Fructose 2,6-bisphosphate and insulin stimulation of glycolysis in 3T3-L1 adipocytes. International Journal of Biochemistry & Cell Biology, 1989, 21, 1359-1363.	0.5	1
107	Post-Translational Control of Enzymes Involved in Glucose Metabolism During the Early Growth Stimulation of Synchronized Fibroblasts Cultures. Caryologia, 1980, 33, 177-184.	0.3	0
108	Physiological and pathological roles of bioactive sphingolipids. Cellular Signalling, 2021, 86, 110102.	3.6	0

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109	Fe65 is not involved in the platelet-derived growth factor-induced processing of Alzheimer's amyloid precursor protein, which activates its caspase-directed cleavage. Vol. 279 (2004) 16161-16169. Journal of Biological Chemistry, 2004, 279, 28826.	3.4	0