

Chiara Donati

List of Publications by Year in descending order

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69
papers

2,199
citations

172386

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243529

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70
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70
docs citations

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times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming Growth Factor- β 1 Induces Transdifferentiation of Myoblasts into Myofibroblasts via Up-Regulation of Sphingosine Kinase-1/S1P ₃ Axis. <i>Molecular Biology of the Cell</i> , 2010, 21, 1111-1124.	0.9	136
2	Sphingosine 1-phosphate regulates myogenic differentiation: a major role for S1P 2 receptor. <i>FASEB Journal</i> , 2005, 19, 1-22.	0.2	106
3	Selective adenosine A2a receptor antagonism reduces JNK activation in oligodendrocytes after cerebral ischaemia. <i>Brain</i> , 2009, 132, 1480-1495.	3.7	85
4	Ecto-ATPase inhibition: ATP and adenosine release under physiological and ischemic in vivo conditions in the rat striatum. <i>Experimental Neurology</i> , 2012, 233, 193-204.	2.0	84
5	Sphingosine 1-phosphate increases glucose uptake through trans-activation of insulin receptor. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3207-3218.	2.4	76
6	Sphingosine 1-phosphate stimulates proliferation and migration of satellite cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 439-450.	1.9	74
7	Sphingosine 1-Phosphate Mediates Proliferation and Survival of Mesoangioblasts. <i>Stem Cells</i> , 2007, 25, 1713-1719.	1.4	69
8	Sphingosine 1-phosphate regulates cytoskeleton dynamics: Implications in its biological response. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 2037-2048.	1.4	67
9	Sphingosine kinase activity is required for myogenic differentiation of C2C12 myoblasts. <i>Journal of Cellular Physiology</i> , 2008, 214, 210-220.	2.0	62
10	Ceramide 1-phosphate stimulates proliferation of C2C12 myoblasts. <i>Biochimie</i> , 2012, 94, 597-607.	1.3	60
11	Pleiotropic effects of sphingolipids in skeletal muscle. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 3725-3736.	2.4	59
12	Sphingosine 1-phosphate induces differentiation of adipose tissue-derived mesenchymal stem cells towards smooth muscle cells. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1741-1754.	2.4	58
13	Receptor-mediated activation of phospholipase D by sphingosine 1-phosphate in skeletal muscle C2C12 cells. <i>FEBS Letters</i> , 1999, 457, 184-188.	1.3	49
14	Sphingosine 1-phosphate axis: a new leader actor in skeletal muscle biology. <i>Frontiers in Physiology</i> , 2013, 4, 338.	1.3	45
15	Sphingosine 1-phosphate evokes calcium signals in C2C12 myoblasts via Edg3 and Edg5 receptors. <i>Biochemical Journal</i> , 2002, 362, 349-357.	1.7	43
16	Sphingosine Kinase Mediates Resistance to the Synthetic Retinoid N-(4-Hydroxyphenyl)retinamide in Human Ovarian Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 18594-18602.	1.6	43
17	Down-regulation of EDG5/S1P2 during myogenic differentiation results in the specific uncoupling of sphingosine 1-phosphate signalling to phospholipase D. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1633, 133-142.	1.2	42
18	TGF β 1 evokes myoblast apoptotic response via a novel signaling pathway involving S1P ₄ transactivation upstream of Rho-kinase α 2 activation. <i>FASEB Journal</i> , 2013, 27, 4532-4546.	0.2	41

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19	Sphingosine 1-phosphate inhibits cell migration in C2C12 myoblasts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 43-51.	1.2	40
20	Tumor necrosis factor α exerts pro-myogenic action in C2C12 myoblasts via sphingosine kinase/S1P ₂ signaling. <i>FEBS Letters</i> , 2007, 581, 4384-4388.	1.3	40
21	Cadmium effects on superoxide dismutase 1 in human cells revealed by NMR. <i>Redox Biology</i> , 2019, 21, 101102.	3.9	39
22	Permissive role of protein kinase C α but not protein kinase C γ in sphingosine 1-phosphate-induced RhoA activation in C2C12 myoblasts. <i>FEBS Letters</i> , 2000, 482, 97-101.	1.3	38
23	β 3-adrenoreceptor blockade reduces tumor growth and increases neuronal differentiation in neuroblastoma via SK2/S1P2 modulation. <i>Oncogene</i> , 2020, 39, 368-384.	2.6	37
24	Sphingosine kinase/sphingosine 1-phosphate axis: a new player for insulin-like growth factor-1-induced myoblast differentiation. <i>Skeletal Muscle</i> , 2012, 2, 15.	1.9	36
25	Sphingosine kinase-1/S1P1 signalling axis negatively regulates mitogenic response elicited by PDGF in mouse myoblasts. <i>Cellular Signalling</i> , 2010, 22, 1688-1699.	1.7	35
26	NMR metabolomics highlights sphingosine kinase α 1 as a new molecular switch in the orchestration of aberrant metabolic phenotype in cancer cells. <i>Molecular Oncology</i> , 2017, 11, 517-533.	2.1	35
27	Sphingosine 1-phosphate differentially regulates proliferation of C2C12 reserve cells and myoblasts. <i>Molecular and Cellular Biochemistry</i> , 2008, 314, 193-199.	1.4	34
28	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. <i>Journal of Oncology</i> , 2010, 2010, 1-10.	0.6	29
29	CTGF/CCN2 exerts profibrotic action in myoblasts via the up-regulation of sphingosine kinase-1/S1P3 signaling axis: Implications in the action mechanism of TGF β 2. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 194-202.	1.2	29
30	TGF β 2 protects mesoangioblasts from apoptosis via sphingosine kinase-1 regulation. <i>Cellular Signalling</i> , 2009, 21, 228-236.	1.7	28
31	Sphingosine 1-phosphate evokes calcium signals in C2C12 myoblasts via Edg3 and Edg5 receptors. <i>Biochemical Journal</i> , 2002, 362, 349.	1.7	27
32	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 Pathways. <i>Biochemistry</i> , 2003, 42, 284-292.	1.2	25
33	Bradykinin mediates myogenic differentiation in murine myoblasts through the involvement of SK1/Spns2/S1P2 axis. <i>Cellular Signalling</i> , 2018, 45, 110-121.	1.7	25
34	Lysophosphatidic Acid Signaling Axis Mediates Ceramide 1-Phosphate-Induced Proliferation of C2C12 Myoblasts. <i>International Journal of Molecular Sciences</i> , 2018, 19, 139.	1.8	25
35	Sphingosine 1-Phosphate Induces Differentiation of Mesoangioblasts towards Smooth Muscle. A Role for GATA6. <i>PLoS ONE</i> , 2011, 6, e20389.	1.1	23
36	S1P ₂ receptor promotes mouse skeletal muscle regeneration. <i>Journal of Applied Physiology</i> , 2012, 113, 707-713.	1.2	23

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37	New insights into the role of sphingosine 1-phosphate and lysophosphatidic acid in the regulation of skeletal muscle cell biology. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 176-184.	1.2	22
38	Adenosine A2B receptors inhibit K ⁺ currents and cell differentiation in cultured oligodendrocyte precursor cells and modulate sphingosine-1-phosphate signaling pathway. <i>Biochemical Pharmacology</i> , 2020, 177, 113956.	2.0	22
39	Sphingosine 1-phosphate receptors modulate intracellular Ca ²⁺ homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 268-274.	1.0	21
40	Sphingosine 1-phosphate signaling pathway in inner ear biology. New therapeutic strategies for hearing loss?. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 60.	1.7	21
41	Sphingosine kinase activity is required for sphingosine-mediated phospholipase D activation in C2C12 myoblasts. <i>Biochemical Journal</i> , 2004, 381, 655-663.	1.7	20
42	Adenosine is present in rat brain synaptic vesicles. <i>NeuroReport</i> , 2013, 24, 982-987.	0.6	20
43	Sphingosine 1-phosphate signaling axis mediates fibroblast growth factor 2-induced proliferation and survival of murine auditory neuroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 814-824.	1.9	20
44	Sphingosine 1-phosphate receptors are dysregulated in endometriosis: possible implication in transforming growth factor β -induced fibrosis. <i>Fertility and Sterility</i> , 2021, 115, 501-511.	0.5	19
45	Sphingosine 1-phosphate induces arachidonic acid mobilization in A549 human lung adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1483, 154-160.	1.2	18
46	Lysophosphatidic acid stimulates cell migration of satellite cells. A role for the sphingosine kinase/sphingosine 1-phosphate axis. <i>FEBS Journal</i> , 2014, 281, 4467-4478.	2.2	18
47	Endothelial sphingosine kinase/SPNS2 axis is critical for vessel-like formation by human mesoangioblasts. <i>Journal of Molecular Medicine</i> , 2015, 93, 1145-1157.	1.7	18
48	Role of sphingosine 1-phosphate signalling in tissue fibrosis. <i>Cellular Signalling</i> , 2021, 78, 109861.	1.7	17
49	Neutral ceramidase secreted by endothelial cells is released in part associated with caveolin-1. <i>Archives of Biochemistry and Biophysics</i> , 2003, 417, 27-33.	1.4	16
50	Sphingosine 1-phosphate-mediated activation of ezrin-radixin-moesin proteins contributes to cytoskeletal remodeling and changes of membrane properties in epithelial otic vesicle progenitors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 554-565.	1.9	16
51	Regulation of growth factor receptor degradation by ADP-ribosylation factor domain protein (ARD) 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10454-10459.	3.3	15
52	Receptor-activated phospholipase D is present in caveolin-3-enriched light membranes of C2C12 myotubes. <i>FEBS Letters</i> , 2000, 473, 10-14.	1.3	14
53	S1P promotes migration, differentiation and immune regulatory activity in amniotic-fluid-derived stem cells. <i>European Journal of Pharmacology</i> , 2018, 833, 173-182.	1.7	14
54	Role of Sphingosine 1-Phosphate Signalling Axis in Muscle Atrophy Induced by TNF α in C2C12 Myotubes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1280.	1.8	14

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55	S1P ₃ receptor influences key physiological properties of fast-twitch extensor digitorum longus muscle. <i>Journal of Applied Physiology</i> , 2016, 120, 1288-1300.	1.2	13
56	Dual regulation of sphingosine 1-phosphate-induced phospholipase D activity through RhoA and protein kinase C- β in C2C12 myoblasts. <i>Cellular Signalling</i> , 2001, 13, 593-598.	1.7	12
57	The Sphingosine Kinase Activator K6PC-5 Stimulates C2C12 Myoblast Differentiation. <i>International Journal of Immunopathology and Pharmacology</i> , 2011, 24, 55-62.	1.0	11
58	A role for calcium in sphingosine 1-phosphate-induced phospholipase D activity in C2C12 myoblasts. <i>FEBS Letters</i> , 2002, 521, 200-204.	1.3	10
59	Role of Sphingosine 1-Phosphate in Skeletal Muscle Cell Biology. <i>Handbook of Experimental Pharmacology</i> , 2013, , 457-467.	0.9	10
60	Ablation of S1P ₃ receptor protects mouse soleus from age-related drop in muscle mass, force, and regenerative capacity. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C54-C67.	2.1	8
61	Phosphatidic Acid Stimulates Myoblast Proliferation through Interaction with LPA1 and LPA2 Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1452.	1.8	8
62	S1P Signalling Axis Is Necessary for Adiponectin-Directed Regulation of Electrophysiological Properties and Oxidative Metabolism in C2C12 Myotubes. <i>Cells</i> , 2022, 11, 713.	1.8	8
63	Sphingosine 1-phosphate signaling in uterine fibroids: implication in activin A pro-fibrotic effect. <i>Fertility and Sterility</i> , 2021, 115, 1576-1585.	0.5	7
64	Sphingosine 1-phosphate lyase blockade elicits myogenic differentiation of murine myoblasts acting via Spns2/S1P2 receptor axis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158759.	1.2	5
65	Targeting sphingosine kinase 1 localization as novel target for ovarian cancer therapy. <i>Translational Cancer Research</i> , 2017, 6, S1277-S1280.	0.4	4
66	Sphingosine 1-phosphate attenuates neuronal dysfunction induced by amyloid β oligomers through endocytic internalization of NMDA receptors. <i>FEBS Journal</i> , 2023, 290, 112-133.	2.2	4
67	A2B Adenosine Receptors and Sphingosine 1-Phosphate Signaling Cross-Talk in Oligodendroglioneogenesis. <i>Frontiers in Neuroscience</i> , 2021, 15, 677988.	1.4	3
68	Sphingosine 1-phosphate pathway is dysregulated in adenomyosis. <i>Reproductive BioMedicine Online</i> , 2022, 45, 15-18.	1.1	3
69	Antagonizing S1P3 Receptor with Cell-Penetrating Pepducins in Skeletal Muscle Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8861.	1.8	1