

Marco Sandri

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

22,083
citations

57631

44
h-index

91712

69
g-index

76
all docs

76
docs citations

76
times ranked

32585
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Foxo Transcription Factors Induce the Atrophy-Related Ubiquitin Ligase Atrogin-1 and Cause Skeletal Muscle Atrophy. <i>Cell</i> , 2004, 117, 399-412.	13.5	2,490
4	FoxO3 Controls Autophagy in Skeletal Muscle In Vivo. <i>Cell Metabolism</i> , 2007, 6, 458-471.	7.2	1,614
5	Mechanisms regulating skeletal muscle growth and atrophy. <i>FEBS Journal</i> , 2013, 280, 4294-4314.	2.2	1,115
6	Cellular and molecular mechanisms of muscle atrophy. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 25-39.	1.2	958
7	PGC-1 β protects skeletal muscle from atrophy by suppressing FoxO3 action and atrophy-specific gene transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16260-16265.	3.3	841
8	Regulation of autophagy and the ubiquitin-proteasome system by the FoxO transcriptional network during muscle atrophy. <i>Nature Communications</i> , 2015, 6, 6670.	5.8	522
9	Protein breakdown in muscle wasting: Role of autophagy-lysosome and ubiquitin-proteasome. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2121-2129.	1.2	508
10	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. <i>Cell Metabolism</i> , 2017, 25, 1374-1389.e6.	7.2	388
11	Smad2 and 3 transcription factors control muscle mass in adulthood. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C1248-C1257.	2.1	385
12	BMP signaling controls muscle mass. <i>Nature Genetics</i> , 2013, 45, 1309-1318.	9.4	379
13	Mechanisms of muscle atrophy and hypertrophy: implications in health and disease. <i>Nature Communications</i> , 2021, 12, 330.	5.8	355
14	The Opa1-Dependent Mitochondrial Cristae Remodeling Pathway Controls Atrophic, Apoptotic, and Ischemic Tissue Damage. <i>Cell Metabolism</i> , 2015, 21, 834-844.	7.2	350
15	Autophagy Impairment in Muscle Induces Neuromuscular Junction Degeneration and Precocious Aging. <i>Cell Reports</i> , 2014, 8, 1509-1521.	2.9	309
16	Mitochondrial Quality Control and Muscle Mass Maintenance. <i>Frontiers in Physiology</i> , 2015, 6, 422.	1.3	290
17	DRP1-mediated mitochondrial shape controls calcium homeostasis and muscle mass. <i>Nature Communications</i> , 2019, 10, 2576.	5.8	274
18	Transcription Factor EB Controls Metabolic Flexibility during Exercise. <i>Cell Metabolism</i> , 2017, 25, 182-196.	7.2	250

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19	Physical exercise stimulates autophagy in normal skeletal muscles but is detrimental for collagen VI-deficient muscles. <i>Autophagy</i> , 2011, 7, 1415-1423.	4.3	216
20	Inducible activation of Akt increases skeletal muscle mass and force without satellite cell activation. <i>FASEB Journal</i> , 2009, 23, 3896-3905.	0.2	196
21	The Mitochondrial Calcium Uniporter Controls Skeletal Muscle Trophism In Vivo. <i>Cell Reports</i> , 2015, 10, 1269-1279.	2.9	170
22	TGF β ² and BMP signaling in skeletal muscle: potential significance for muscle-related disease. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 464-471.	3.1	144
23	Mitochondrial DNA and TLR9 drive muscle inflammation upon Opa1 deficiency. <i>EMBO Journal</i> , 2018, 37, .	3.5	139
24	Long-Term High-Level Exercise Promotes Muscle Reinnervation With Age. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 284-294.	0.9	136
25	PGC-1 β modulates denervation-induced mitophagy in skeletal muscle. <i>Skeletal Muscle</i> , 2015, 5, 9.	1.9	136
26	JunB transcription factor maintains skeletal muscle mass and promotes hypertrophy. <i>Journal of Cell Biology</i> , 2010, 191, 101-113.	2.3	127
27	Protein breakdown in cancer cachexia. <i>Seminars in Cell and Developmental Biology</i> , 2016, 54, 11-19.	2.3	114
28	Signaling Pathways That Control Muscle Mass. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4759.	1.8	104
29	Perilipin 2 and Age-Related Metabolic Diseases: A New Perspective. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 893-903.	3.1	102
30	Posttranslational modifications control FoxO3 activity during denervation. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C587-C596.	2.1	96
31	Defects of Vps15 in skeletal muscles lead to autophagic vacuolar myopathy and lysosomal disease. <i>EMBO Molecular Medicine</i> , 2013, 5, 870-890.	3.3	96
32	Sestrin prevents atrophy of disused and aging muscles by integrating anabolic and catabolic signals. <i>Nature Communications</i> , 2020, 11, 189.	5.8	87
33	Epigenetic targeting of bromodomain protein BRD4 counteracts cancer cachexia and prolongs survival. <i>Nature Communications</i> , 2017, 8, 1707.	5.8	86
34	Beneficial Effects on Skeletal Muscle of the Angiotensin II Type 1 Receptor Blocker Irbesartan in Experimental Heart Failure. <i>Circulation</i> , 2001, 103, 2195-2200.	1.6	76
35	FoxO-dependent atrogenes vary among catabolic conditions and play a key role in muscle atrophy induced by hindlimb suspension. <i>Journal of Physiology</i> , 2017, 595, 1143-1158.	1.3	75
36	Glycolytic-to-oxidative fiber-type switch and mTOR signaling activation are early-onset features of SBMA muscle modified by high-fat diet. <i>Acta Neuropathologica</i> , 2016, 132, 127-144.	3.9	74

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37	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. <i>Skeletal Muscle</i> , 2014, 4, 22.	1.9	58
38	Perturbed BMP signaling and denervation promote muscle wasting in cancer cachexia. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	58
39	Proteotoxicity: An underappreciated pathology in cardiac disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 71, 3-10.	0.9	55
40	Transcriptomic Analysis of Single Isolated Myofibers Identifies miR-27a-3p and miR-142-3p as Regulators of Metabolism in Skeletal Muscle. <i>Cell Reports</i> , 2019, 26, 3784-3797.e8.	2.9	55
41	Oxidative Damage and Autophagy in the Human Trabecular Meshwork as Related with Ageing. <i>PLoS ONE</i> , 2014, 9, e98106.	1.1	51
42	In mammalian skeletal muscle, phosphorylation of TOMM22 by protein kinase CSNK2/CK2 controls mitophagy. <i>Autophagy</i> , 2018, 14, 311-335.	4.3	51
43	Haptoglobin Is Required to Prevent Oxidative Stress and Muscle Atrophy. <i>PLoS ONE</i> , 2014, 9, e100745.	1.1	50
44	Phosphorylation of NBR1 by GSK3 modulates protein aggregation. <i>Autophagy</i> , 2014, 10, 1036-1053.	4.3	49
45	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. <i>ELife</i> , 2016, 5, .	2.8	47
46	Skeletal muscle mTORC1 regulates neuromuscular junction stability. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 208-225.	2.9	43
47	Skeletal Muscle-Specific Methyltransferase METTL21C Trimethylates p97 and Regulates Autophagy-Associated Protein Breakdown. <i>Cell Reports</i> , 2018, 23, 1342-1356.	2.9	41
48	Integrated expression analysis of muscle hypertrophy identifies <i>Asb2</i> as a negative regulator of muscle mass. <i>JCI Insight</i> , 2016, 1, .	2.3	38
49	Loss of the novel Vcp (valosin containing protein) interactor <i>Washc4</i> interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy <i>in vivo</i> . <i>Autophagy</i> , 2018, 14, 1911-1927.	4.3	35
50	BMPs and the muscleâ€‘bone connection. <i>Bone</i> , 2015, 80, 37-42.	1.4	34
51	Histone Deacetylase 6 Is a FoxO Transcription Factor-dependent Effector in Skeletal Muscle Atrophy. <i>Journal of Biological Chemistry</i> , 2015, 290, 4215-4224.	1.6	34
52	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	34
53	Insulin/IGF1 signalling mediates the effects of β^2 -adrenergic agonist on muscle proteostasis and growth. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 455-475.	2.9	33
54	Propeptide-Mediated Inhibition of Myostatin Increases Muscle Mass Through Inhibiting Proteolytic Pathways in Aged Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1049-1059.	1.7	31

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55	Creatine Prevents the Structural and Functional Damage to Mitochondria in Myogenic, Oxidatively Stressed C2C12 Cells and Restores Their Differentiation Capacity. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	27
56	cAMP-dependent protein kinase inhibits FoxO activity and regulates skeletal muscle plasticity in mice. <i>FASEB Journal</i> , 2020, 34, 12946-12962.	0.2	27
57	Role of autophagy in muscle disease. <i>Molecular Aspects of Medicine</i> , 2021, 82, 101041.	2.7	26
58	Iron supplementation is sufficient to rescue skeletal muscle mass and function in cancer cachexia. <i>EMBO Reports</i> , 2022, 23, e53746.	2.0	26
59	Signatures of muscle disuse in spaceflight and bed rest revealed by single muscle fiber proteomics. , 2022, 1, .		22
60	Atrogin-1 Deficiency Leads to Myopathy and Heart Failure in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2016, 17, 187.	1.8	21
61	Muscle-specific Perilipin2 downregulation affects lipid metabolism and induces myofiber hypertrophy. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 95-110.	2.9	20
62	Aggresome-Associated Autophagy Involvement in a Sarcopenic Patient with Rigid Spine Syndrome and a p.C150R Mutation in FHL1 Gene. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 215.	1.7	18
63	INSL3 in the musculo-skeletal system. <i>Molecular and Cellular Endocrinology</i> , 2019, 487, 12-17.	1.6	15
64	Nutritional intervention with cyanidin hinders the progression of muscular dystrophy. <i>Cell Death and Disease</i> , 2020, 11, 127.	2.7	15
65	Implications of mitochondrial fusion and fission in skeletal muscle mass and health. <i>Seminars in Cell and Developmental Biology</i> , 2023, 143, 46-53.	2.3	12
66	Symmorphosis through Dietary Regulation: A Combinatorial Role for Proteolysis, Autophagy and Protein Synthesis in Normalising Muscle Metabolism and Function of Hypertrophic Mice after Acute Starvation. <i>PLoS ONE</i> , 2015, 10, e0120524.	1.1	10
67	UBE2L3, a Partner of MuRF1/TRIM63, Is Involved in the Degradation of Myofibrillar Actin and Myosin. <i>Cells</i> , 2021, 10, 1974.	1.8	9
68	Regulation and involvement of the ubiquitin ligases in muscle atrophy. <i>Free Radical Biology and Medicine</i> , 2014, 75, S4.	1.3	6
69	Effects of acute and chronic strength training on skeletal muscle autophagy in frail elderly men and women. <i>Experimental Gerontology</i> , 2020, 142, 111122.	1.2	4
70	New Pathogenetic Mechanisms that Link Autophagy to Pompe Disease. <i>Journal of Neuromuscular Diseases</i> , 2015, 2, S9-S9.	1.1	1
71	Editorial: Autophagy and Mitophagy in Skeletal Muscle Health and Disease. <i>Frontiers in Physiology</i> , 2021, 12, 703458.	1.3	0
72	MYTHO: A novel regulator of autophagy and skeletal muscle health. <i>FASEB Journal</i> , 2022, 36, .	0.2	0

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73	D230025D16Rik: A Novel Regulator of Muscle Cell Differentiation. FASEB Journal, 2022, 36, .	0.2	0