Marco Sandri

List of Publications by Year
in descending order

73 papers	22,083 citations	57758 44 h-index	91884 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). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Foxo Transcription Factors Induce the Atrophy-Related Ubiquitin Ligase Atrogin-1 and Cause Skeletal Muscle Atrophy. Cell, 2004, 117, 399-412.	28.9	2,490
4	FoxO3 Controls Autophagy in Skeletal Muscle In Vivo. Cell Metabolism, 2007, 6, 458-471.	16.2	1,614
5	Mechanisms regulating skeletal muscle growth and atrophy. FEBS Journal, 2013, 280, 4294-4314.	4.7	1,115
6	Cellular and molecular mechanisms of muscle atrophy. DMM Disease Models and Mechanisms, 2013, 6, 25-39.	2.4	958
7	PGC-1Î± protects skeletal muscle from atrophy by suppressing FoxO3 action and atrophy-specific gene transcription. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16260-16265.	7.1	841
8	Regulation of autophagy and the ubiquitinâ€"proteasome system by the FoxO transcriptional network during muscle atrophy. Nature Communications, 2015, 6, 6670.	12.8	522
9	Protein breakdown in muscle wasting: Role of autophagy-lysosome and ubiquitin-proteasome. International Journal of Biochemistry and Cell Biology, 2013, 45, 2121-2129.	2.8	508
10	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. Cell Metabolism, 2017, 25, 1374-1389.e6.	16.2	388
11	Smad2 and 3 transcription factors control muscle mass in adulthood. American Journal of Physiology - Cell Physiology, 2009, 296, C1248-C1257.	4.6	385
12	BMP signaling controls muscle mass. Nature Genetics, 2013, 45, 1309-1318.	21.4	379
13	Mechanisms of muscle atrophy and hypertrophy: implications in health and disease. Nature Communications, 2021, 12, 330.	12.8	355
14	The Opa1-Dependent Mitochondrial Cristae Remodeling Pathway Controls Atrophic, Apoptotic, and Ischemic Tissue Damage. Cell Metabolism, 2015, 21, 834-844.	16.2	350
15	Autophagy Impairment in Muscle Induces Neuromuscular Junction Degeneration and Precocious Aging. Cell Reports, 2014, 8, 1509-1521.	6.4	309
16	Mitochondrial Quality Control and Muscle Mass Maintenance. Frontiers in Physiology, 2015, 6, 422.	2.8	290
17	DRP1-mediated mitochondrial shape controls calcium homeostasis and muscle mass. Nature Communications, 2019, 10, 2576.	12.8	274
18	Transcription Factor EB Controls Metabolic Flexibility during Exercise. Cell Metabolism, 2017, 25, 182-196.	16.2	250

#	ARTICLE	IF	CITATIONS
19	Physical exercise stimulates autophagy in normal skeletal muscles but is detrimental for collagen VI-deficient muscles. Autophagy, 2011, 7, 1415-1423.	9.1	216
20	Inducible activation of Akt increases skeletal muscle mass and force without satellite cell activation. FASEB Journal, 2009, 23, 3896-3905.	0.5	196
21	The Mitochondrial Calcium Uniporter Controls Skeletal Muscle Trophism InÂVivo. Cell Reports, 2015, 10, 1269-1279.	6.4	170
22	TGFÎ² and BMP signaling in skeletal muscle: potential significance for muscle-related disease. Trends in Endocrinology and Metabolism, 2014, 25, 464-471.	7.1	144
23	Mitochondrial DNA and TLR9 drive muscle inflammation upon Opa1 deficiency. EMBO Journal, 2018, 37, .	7.8	139
24	Long-Term High-Level Exercise Promotes Muscle Reinnervation With Age. Journal of Neuropathology and Experimental Neurology, 2014, 73, 284-294.	1.7	136
25	PGC-1Î± modulates denervation-induced mitophagy in skeletal muscle. Skeletal Muscle, 2015, 5, 9.	4.2	136
26	JunB transcription factor maintains skeletal muscle mass and promotes hypertrophy. Journal of Cell Biology, 2010, 191, 101-113.	5.2	127
27	Protein breakdown in cancer cachexia. Seminars in Cell and Developmental Biology, 2016, 54, 11-19.	5.0	114
28	Signaling Pathways That Control Muscle Mass. International Journal of Molecular Sciences, 2020, 21, 4759.	4.1	104
29	Perilipin 2 and Age-Related Metabolic Diseases: A New Perspective. Trends in Endocrinology and Metabolism, 2016, 27, 893-903.	7.1	102
30	Posttranslational modifications control FoxO3 activity during denervation. American Journal of Physiology - Cell Physiology, 2012, 302, C587-C596.	4.6	96
31	Defects of Vps15 in skeletal muscles lead to autophagic vacuolar myopathy and lysosomal disease. EMBO Molecular Medicine, 2013, 5, 870-890.	6.9	96
32	Sestrin prevents atrophy of disused and aging muscles by integrating anabolic and catabolic signals. Nature Communications, 2020, 11, 189.	12.8	87
33	Epigenetic targeting of bromodomain protein BRD4 counteracts cancer cachexia and prolongs survival. Nature Communications, 2017, 8, 1707.	12.8	86
34	Beneficial Effects on Skeletal Muscle of the Angiotensin II Type 1 Receptor Blocker Irbesartan in Experimental Heart Failure. Circulation, 2001, 103, 2195-2200.	1.6	76
35	FoxOâ€dependent atrogenes vary among catabolic conditions and play a key role in muscle atrophy induced by hindlimb suspension. Journal of Physiology, 2017, 595, 1143-1158.	2.9	75
36	Glycolytic-to-oxidative fiber-type switch and mTOR signaling activation are early-onset features of SBMA muscle modified by high-fat diet. Acta Neuropathologica, 2016, 132, 127-144.	7.7	74

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37	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. Skeletal Muscle, 2014, 4, 22.	4.2	58
38	Perturbed BMP signaling and denervation promote muscle wasting in cancer cachexia. Science Translational Medicine, 2021, 13, .	12.4	58
39	Proteotoxicity: An underappreciated pathology in cardiac disease. Journal of Molecular and Cellular Cardiology, 2014, 71, 3-10.	1.9	55
40	Transcriptomic Analysis of Single Isolated Myofibers Identifies miR-27a-3p and miR-142-3p as Regulators of Metabolism in Skeletal Muscle. Cell Reports, 2019, 26, 3784-3797.e8.	6.4	55
41	Oxidative Damage and Autophagy in the Human Trabecular Meshwork as Related with Ageing. PLoS ONE, 2014, 9, e98106.	2.5	51
42	In mammalian skeletal muscle, phosphorylation of TOMM22 by protein kinase CSNK2/CK2 controls mitophagy. Autophagy, 2018, 14, 311-335.	9.1	51
43	Haptoglobin Is Required to Prevent Oxidative Stress and Muscle Atrophy. PLoS ONE, 2014, 9, e100745.	2.5	50
44	Phosphorylation of NBR1 by GSK3 modulates protein aggregation. Autophagy, 2014, 10, 1036-1053.	9.1	49
45	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. ELife, 2016, 5, .	6.0	47
46	Skeletal muscle mTORC1 regulates neuromuscular junction stability. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 208-225.	7.3	43
47	Skeletal Muscle-Specific Methyltransferase METTL21C Trimethylates p97 and Regulates Autophagy-Associated Protein Breakdown. Cell Reports, 2018, 23, 1342-1356.	6.4	41
48	Integrated expression analysis of muscle hypertrophy identifies Asb2 as a negative regulator of muscle mass. JCI Insight, 2016, 1, .	5.0	38
49	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy <i>in vivo</i>. Autophagy, 2018, 14, 1911-1927.	9.1	35
50	BMPs and the muscleâ€“bone connection. Bone, 2015, 80, 37-42.	2.9	34
51	Histone Deacetylase 6 Is a FoxO Transcription Factor-dependent Effector in Skeletal Muscle Atrophy. Journal of Biological Chemistry, 2015, 290, 4215-4224.	3.4	34
52	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. Journal of Clinical Investigation, 2021, 131, .	8.2	34
53	Insulin/IGF1 signalling mediates the effects of Î²₂â€adrenergic agonist on muscle proteostasis and growth. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 455-475.	7.3	33
54	Propeptide-Mediated Inhibition of Myostatin Increases Muscle Mass Through Inhibiting Proteolytic Pathways in Aged Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1049-1059.	3.6	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. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	4.0	27
56	cAMPâ€dependent protein kinase inhibits FoxO activity and regulates skeletal muscle plasticity in mice. FASEB Journal, 2020, 34, 12946-12962.	0.5	27
57	Role of autophagy in muscle disease. Molecular Aspects of Medicine, 2021, 82, 101041.	6.4	26
58	Iron supplementation is sufficient to rescue skeletal muscle mass and function in cancer cachexia. EMBO Reports, 2022, 23, e53746.	4.5	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. International Journal of Molecular Sciences, 2016, 17, 187.	4.1	21
61	Muscleâ€specific Perilipin2 downâ€regulation affects lipid metabolism and induces myofiber hypertrophy. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 95-110.	7.3	20
62	AggresomeÃ¢â,¬â€œAutophagy Involvement in a Sarcopenic Patient with Rigid Spine Syndrome and a p.C150R Mutation in FHL1 Gene. Frontiers in Aging Neuroscience, 2014, 6, 215.	3.4	18
63	INSL3 in the muscolo-skeletal system. Molecular and Cellular Endocrinology, 2019, 487, 12-17.	3.2	15
64	Nutritional intervention with cyanidin hinders the progression of muscular dystrophy. Cell Death and Disease, 2020, 11, 127.	6.3	15
65	Implications of mitochondrial fusion and fission in skeletal muscle mass and health. Seminars in Cell and Developmental Biology, 2023, 143, 46-53.	5.0	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. PLoS ONE, 2015, 10, e0120524.	2.5	10
67	UBE2L3, a Partner of MuRF1/TRIM63, Is Involved in the Degradation of Myofibrillar Actin and Myosin. Cells, 2021, 10, 1974.	4.1	9
68	Regulation and involvement of the ubiquitin ligases in muscle atrophy. Free Radical Biology and Medicine, 2014, 75, S4.	2.9	6
69	Effects of acute and chronic strength training on skeletal muscle autophagy in frail elderly men and women. Experimental Gerontology, 2020, 142, 111122.	2.8	4
70	New Pathogenetic Mechanisms that Link Autophagy to Pompe Disease. Journal of Neuromuscular Diseases, 2015, 2, S9-S9.	2.6	1
71	Editorial: Autophagy and Mitophagy in Skeletal Muscle Health and Disease. Frontiers in Physiology, 2021, 12, 703458.	2.8	0
72	MYTHO: A novel regulator of autophagy and skeletal muscle health. FASEB Journal, 2022, 36, .	0.5	0

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73	D230025D16Rik: A Novel Regulator of Muscle Cell Differentiation. FASEB Journal, 2022, 36, .	0.5	0