Anna Raffaello

List of Publications by Year
in descending order

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33	6,547	236925 25	414414 32
papers	citations	h-index	g-index

33	33	33	7604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Splicing of the Mitochondrial Calcium Uniporter Genuine Activator MICU1 Is Driven by RBFOX2 Splicing Factor during Myogenic Differentiation. International Journal of Molecular Sciences, 2022, 23, 2517.	4.1	2
2	The molecular complexity of the Mitochondrial Calcium Uniporter. Cell Calcium, 2021, 93, 102322.	2.4	29
3	Parvalbumin affects skeletal muscle trophism through modulation of mitochondrial calcium uptake. Cell Reports, 2021, 35, 109087.	6.4	16
4	The dominant-negative mitochondrial calcium uniporter subunit MCUb drives macrophage polarization during skeletal muscle regeneration. Science Signaling, 2021, 14, eabf3838.	3.6	17
5	The ER-mitochondria tether at the hub of Ca2+ signaling. Current Opinion in Physiology, 2020, 17, 261-268.	1.8	21
6	Excessive Accumulation of Ca2 + in Mitochondria of Y522S-RYR1 Knock-in Mice: A Link Between Leak From the Sarcoplasmic Reticulum and Altered Redox State. Frontiers in Physiology, 2019, 10, 1142.	2.8	14
7	Crosstalk between Calcium and ROS in Pathophysiological Conditions. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	4.0	115
8	Overexpression of Mitochondrial Calcium Uniporter Causes Neuronal Death. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	4.0	42
9	Melatonin activates <scp>FIS</scp>1, <scp>DYN</scp>1, and <scp>DYN</scp>2 Plasmodium falciparum relatedâ€genes for mitochondria fission: Mitoemeraldâ€<scp>GFP</scp> as a tool to visualize mitochondria structure. Journal of Pineal Research, 2019, 66, e12484.	7.4	25
10	Mitochondrial calcium uptake in organ physiology: from molecular mechanism to animal models. Pflugers Archiv European Journal of Physiology, 2018, 470, 1165-1179.	2.8	119
11	Parkin-dependent regulation of the MCU complex component MICU1. Scientific Reports, 2018, 8, 14199.	3.3	31
12	Molecular Players of Mitochondrial Calcium Signaling: Similarities and Different Aspects in Various Organisms. Biological and Medical Physics Series, 2017, , 41-65.	0.4	0
13	Physiological Characterization of a Plant Mitochondrial Calcium Uniporter in Vitro and in Vivo. Plant Physiology, 2017, 173, 1355-1370.	4.8	54
14	Increased mitochondrial calcium uniporter in adipocytes underlies mitochondrial alterations associated with insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E641-E650.	3.5	25
15	Calcium at the Center of Cell Signaling: Interplay between Endoplasmic Reticulum, Mitochondria, and Lysosomes. Trends in Biochemical Sciences, 2016, 41, 1035-1049.	7.5	382
16	A MICU1 Splice Variant Confers High Sensitivity to the Mitochondrial Ca2+ Uptake Machinery of Skeletal Muscle. Molecular Cell, 2016, 64, 760-773.	9.7	97
17	Molecular structure and pathophysiological roles of the Mitochondrial Calcium Uniporter. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2457-2464.	4.1	62
18	The Mitochondrial Calcium Uniporter Controls Skeletal Muscle Trophism InÂVivo. Cell Reports, 2015, 10, 1269-1279.	6.4	170

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19	Loss-of-function mutations in MICU1 cause a brain and muscle disorder linked to primary alterations in mitochondrial calcium signaling. Nature Genetics, 2014, 46, 188-193.	21.4	311
20	Adrenergic Signaling Regulates Mitochondrial Ca²⁺ Uptake Through Pyk2-Dependent Tyrosine Phosphorylation of the Mitochondrial Ca²⁺ Uniporter. Antioxidants and Redox Signaling, 2014, 21, 863-879.	5.4	69
21	MICU1 and MICU2 Finely Tune the Mitochondrial Ca2+ Uniporter by Exerting Opposite Effects on MCU Activity. Molecular Cell, 2014, 53, 726-737.	9.7	441
22	The mitochondrial calcium uniporter is a multimer that can include a dominant-negative pore-forming subunit. EMBO Journal, 2013, 32, 2362-2376.	7.8	408
23	The Mitochondrial Calcium Uniporter (MCU): Molecular Identity and Physiological Roles. Journal of Biological Chemistry, 2013, 288, 10750-10758.	3.4	131
24	Mitochondria as sensors and regulators of calcium signalling. Nature Reviews Molecular Cell Biology, 2012, 13, 566-578.	37.0	1,369
25	The mitochondrial Ca2+ uniporter. Cell Calcium, 2012, 52, 16-21.	2.4	61
26	A forty-kilodalton protein of the inner membrane is the mitochondrial calcium uniporter. Nature, 2011, 476, 336-340.	27.8	1,622
27	Mitochondrial longevity pathways. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 260-268.	4.1	71
28	JunB transcription factor maintains skeletal muscle mass and promotes hypertrophy. Journal of Cell Biology, 2010, 191, 101-113.	5.2	127
29	Meta-analysis of expression signatures of muscle atrophy: gene interaction networks in early and late stages. BMC Genomics, 2008, 9, 630.	2.8	55
30	Rapid disuse and denervation atrophy involve transcriptional changes similar to those of muscle wasting during systemic diseases. FASEB Journal, 2007, 21, 140-155.	0.5	495
31	Denervation in murine fast-twitch muscle: short-term physiological changes and temporal expression profiling. Physiological Genomics, 2006, 25, 60-74.	2.3	70
32	The Ankrd2, Cdkn1c and Calcyclin Genes are Under the Control of MyoD During Myogenic Differentiation. Journal of Molecular Biology, 2005, 349, 349-366.	4.2	30
33	Human MYO18B, a Novel Unconventional Myosin Heavy Chain Expressed in Striated Muscles Moves into the Myonuclei upon Differentiation. Journal of Molecular Biology, 2003, 326, 137-149.	4.2	66