

# Anna Raffaello

## List of Publications by Year in descending order

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33  
papers

6,547  
citations

236833

25  
h-index

414303

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

7604  
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. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2517.	1.8	2
2	The molecular complexity of the Mitochondrial Calcium Uniporter. <i>Cell Calcium</i> , 2021, 93, 102322.	1.1	29
3	Parvalbumin affects skeletal muscle trophism through modulation of mitochondrial calcium uptake. <i>Cell Reports</i> , 2021, 35, 109087.	2.9	16
4	The dominant-negative mitochondrial calcium uniporter subunit MCUB drives macrophage polarization during skeletal muscle regeneration. <i>Science Signaling</i> , 2021, 14, eabf3838.	1.6	17
5	The ER-mitochondria tether at the hub of Ca <sup>2+</sup> signaling. <i>Current Opinion in Physiology</i> , 2020, 17, 261-268.	0.9	21
6	Excessive Accumulation of Ca <sup>2+</sup> in Mitochondria of Y522S-RYR1 Knock-in Mice: A Link Between Leak From the Sarcoplasmic Reticulum and Altered Redox State. <i>Frontiers in Physiology</i> , 2019, 10, 1142.	1.3	14
7	Crosstalk between Calcium and ROS in Pathophysiological Conditions. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-18.	1.9	115
8	Overexpression of Mitochondrial Calcium Uniporter Causes Neuronal Death. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	42
9	Melatonin activates <i>FIS1</i> , <i>DYN1</i> , and <i>DYN2</i> Plasmodium falciparum related genes for mitochondria fission: Mitoemerald-GFP as a tool to visualize mitochondria structure. <i>Journal of Pineal Research</i> , 2019, 66, e12484.	3.4	25
10	Mitochondrial calcium uptake in organ physiology: from molecular mechanism to animal models. <i>Pflügers Archiv European Journal of Physiology</i> , 2018, 470, 1165-1179.	1.3	119
11	Parkin-dependent regulation of the MCU complex component MICU1. <i>Scientific Reports</i> , 2018, 8, 14199.	1.6	31
12	Molecular Players of Mitochondrial Calcium Signaling: Similarities and Different Aspects in Various Organisms. <i>Biological and Medical Physics Series</i> , 2017, , 41-65.	0.3	0
13	Physiological Characterization of a Plant Mitochondrial Calcium Uniporter in Vitro and in Vivo. <i>Plant Physiology</i> , 2017, 173, 1355-1370.	2.3	54
14	Increased mitochondrial calcium uniporter in adipocytes underlies mitochondrial alterations associated with insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E641-E650.	1.8	25
15	Calcium at the Center of Cell Signaling: Interplay between Endoplasmic Reticulum, Mitochondria, and Lysosomes. <i>Trends in Biochemical Sciences</i> , 2016, 41, 1035-1049.	3.7	382
16	A MICU1 Splice Variant Confers High Sensitivity to the Mitochondrial Ca <sup>2+</sup> Uptake Machinery of Skeletal Muscle. <i>Molecular Cell</i> , 2016, 64, 760-773.	4.5	97
17	Molecular structure and pathophysiological roles of the Mitochondrial Calcium Uniporter. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2457-2464.	1.9	62
18	The Mitochondrial Calcium Uniporter Controls Skeletal Muscle Trophism In Vivo. <i>Cell Reports</i> , 2015, 10, 1269-1279.	2.9	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. <i>Nature Genetics</i> , 2014, 46, 188-193.	9.4	311
20	Adrenergic Signaling Regulates Mitochondrial Ca <sup>2+</sup> Uptake Through Pyk2-Dependent Tyrosine Phosphorylation of the Mitochondrial Ca <sup>2+</sup> Uniporter. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 863-879.	2.5	69
21	MICU1 and MICU2 Finely Tune the Mitochondrial Ca <sup>2+</sup> Uniporter by Exerting Opposite Effects on MCU Activity. <i>Molecular Cell</i> , 2014, 53, 726-737.	4.5	441
22	The mitochondrial calcium uniporter is a multimer that can include a dominant-negative pore-forming subunit. <i>EMBO Journal</i> , 2013, 32, 2362-2376.	3.5	408
23	The Mitochondrial Calcium Uniporter (MCU): Molecular Identity and Physiological Roles. <i>Journal of Biological Chemistry</i> , 2013, 288, 10750-10758.	1.6	131
24	Mitochondria as sensors and regulators of calcium signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 566-578.	16.1	1,369
25	The mitochondrial Ca <sup>2+</sup> uniporter. <i>Cell Calcium</i> , 2012, 52, 16-21.	1.1	61
26	A forty-kilodalton protein of the inner membrane is the mitochondrial calcium uniporter. <i>Nature</i> , 2011, 476, 336-340.	13.7	1,622
27	Mitochondrial longevity pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 260-268.	1.9	71
28	JunB transcription factor maintains skeletal muscle mass and promotes hypertrophy. <i>Journal of Cell Biology</i> , 2010, 191, 101-113.	2.3	127
29	Meta-analysis of expression signatures of muscle atrophy: gene interaction networks in early and late stages. <i>BMC Genomics</i> , 2008, 9, 630.	1.2	55
30	Rapid disuse and denervation atrophy involve transcriptional changes similar to those of muscle wasting during systemic diseases. <i>FASEB Journal</i> , 2007, 21, 140-155.	0.2	495
31	Denervation in murine fast-twitch muscle: short-term physiological changes and temporal expression profiling. <i>Physiological Genomics</i> , 2006, 25, 60-74.	1.0	70
32	The Ankrd2, Cdkn1c and Calcyclin Genes are Under the Control of MyoD During Myogenic Differentiation. <i>Journal of Molecular Biology</i> , 2005, 349, 349-366.	2.0	30
33	Human MYO18B, a Novel Unconventional Myosin Heavy Chain Expressed in Striated Muscles Moves into the Myonuclei upon Differentiation. <i>Journal of Molecular Biology</i> , 2003, 326, 137-149.	2.0	66