

# Marta Giacomello

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,690  
citations

471509

17  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3844  
citing authors

#	ARTICLE	IF	CITATIONS
1	The cell biology of mitochondrial membrane dynamics. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 204-224.	37.0	726
2	Critical reappraisal confirms that Mitofusin 2 is an endoplasmic reticulum-mitochondria tether. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11249-11254.	7.1	395
3	Ca <sup>2+</sup> Hot Spots on the Mitochondrial Surface Are Generated by Ca <sup>2+</sup> Mobilization from Stores, but Not by Activation of Store-Operated Ca <sup>2+</sup> Channels. <i>Molecular Cell</i> , 2010, 38, 280-290.	9.7	350
4	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. <i>Cell Death and Differentiation</i> , 2018, 25, 1131-1145.	11.2	174
5	Regulation of ER-mitochondria contacts by Parkin via Mfn2. <i>Pharmacological Research</i> , 2018, 138, 43-56.	7.1	152
6	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. <i>Scientific Reports</i> , 2016, 6, 27351.	3.3	131
7	The Plasma Membrane Calcium Pump: New Ways to Look at an Old Enzyme. <i>Journal of Biological Chemistry</i> , 2014, 289, 10261-10268.	3.4	106
8	Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , 2020, 31, 987-1003.e8.	16.2	101
9	Mitochondria-rough-ER contacts in the liver regulate systemic lipid homeostasis. <i>Cell Reports</i> , 2021, 34, 108873.	6.4	76
10	MFN2 mutations in Charcot-Marie-Tooth disease alter mitochondria-associated ER membrane function but do not impair bioenergetics. <i>Human Molecular Genetics</i> , 2019, 28, 1782-1800.	2.9	72
11	Nicotine mediates oxidative stress and apoptosis through cross talk between NOX1 and Bcl-2 in lung epithelial cells. <i>Free Radical Biology and Medicine</i> , 2014, 76, 173-184.	2.9	44
12	Protein electrostatics: From computational and structural analysis to discovery of functional fingerprints and biotechnological design. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1774-1789.	4.1	44
13	The mitochondrial protein Opa1 promotes adipocyte browning that is dependent on urea cycle metabolites. <i>Nature Metabolism</i> , 2021, 3, 1633-1647.	11.9	42
14	Plasma membrane calcium ATPases and related disorders. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 753-762.	2.8	28
15	(Neuro)degenerated Mitochondria-ER contacts. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1096-1109.	2.1	28
16	Opa1 regulates mitoflash biogenesis independently from membrane fusion. <i>EMBO Reports</i> , 2017, 18, 451-463.	4.5	27
17	Reply to Filadi et al.: Does Mitofusin 2 tether or separate endoplasmic reticulum and mitochondria?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2268-E2269.	7.1	21
18	Inhibition of the mitochondrial protein Opa1 curtails breast cancer growth. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 95.	8.6	21

#	ARTICLE	IF	CITATIONS
19	Chemical Modulation of Mitochondria-Endoplasmic Reticulum Contact Sites. <i>Cells</i> , 2020, 9, 1637.	4.1	20
20	Cisplatin resistance can be curtailed by blunting Bnip3-mediated mitochondrial autophagy. <i>Cell Death and Disease</i> , 2022, 13, 398.	6.3	20
21	Deletion of the mitochondria-shaping protein Opa1 during early thymocyte maturation impacts mature memory T cell metabolism. <i>Cell Death and Differentiation</i> , 2021, 28, 2194-2206.	11.2	18
22	A new target for an old DUB: UCH-L1 regulates mitofusin-2 levels, altering mitochondrial morphology, function and calcium uptake. <i>Redox Biology</i> , 2020, 37, 101676.	9.0	17
23	Protein Localization at Mitochondria-ER Contact Sites in Basal and Stress Conditions. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 107.	3.7	15
24	GDAP1 loss of function inhibits the mitochondrial pyruvate dehydrogenase complex by altering the actin cytoskeleton. <i>Communications Biology</i> , 2022, 5, .	4.4	12
25	The prion protein regulates glutamate-mediated Ca <sup>2+</sup> entry and mitochondrial Ca <sup>2+</sup> accumulation in neurons. <i>Journal of Cell Science</i> , 2017, 130, 2736-2746.	2.0	11
26	The INs and OUTs of mitofusins. <i>Journal of Cell Biology</i> , 2018, 217, 439-440.	5.2	10
27	Calcium Handling by Endoplasmic Reticulum and Mitochondria in a Cell Model of Huntington's Disease. <i>PLOS Currents</i> , 2016, 8, .	1.4	10
28	Mitochondrial Function in Enamel Development. <i>Frontiers in Physiology</i> , 2020, 11, 538.	2.8	7
29	Mitochondria modulate ameloblast Ca <sup>2+</sup> signaling. <i>FASEB Journal</i> , 2022, 36, e22169.	0.5	5
30	The Interplay of Microtubules with Mitochondria-ER Contact Sites (MERCs) in Glioblastoma. <i>Biomolecules</i> , 2022, 12, 567.	4.0	5
31	Shipping Calpastatin to the Rescue: Prevention of Neuromuscular Degeneration through Mitofusin 2. <i>Cell Metabolism</i> , 2018, 28, 536-538.	16.2	1
32	Interaction Between Mitochondrial DNA Variants and Mitochondria/Endoplasmic Reticulum Contact Sites: A Perspective Review. <i>DNA and Cell Biology</i> , 2020, 39, 1431-1443.	1.9	1