

Mariusz Karbowski

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

5,268
citations

394286

19
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

8433
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteasome and p97 mediate mitophagy and degradation of mitofusins induced by Parkin. <i>Journal of Cell Biology</i> , 2010, 191, 1367-1380.	2.3	1,161
2	Spatial and temporal association of Bax with mitochondrial fission sites, Drp1, and Mfn2 during apoptosis. <i>Journal of Cell Biology</i> , 2002, 159, 931-938.	2.3	743
3	Role of Bax and Bak in mitochondrial morphogenesis. <i>Nature</i> , 2006, 443, 658-662.	13.7	579
4	The mitochondrial E3 ubiquitin ligase MARCH5 is required for Drp1 dependent mitochondrial division. <i>Journal of Cell Biology</i> , 2007, 178, 71-84.	2.3	420
5	The Putative Drp1 Inhibitor mdivi-1 Is a Reversible Mitochondrial Complex I Inhibitor that Modulates Reactive Oxygen Species. <i>Developmental Cell</i> , 2017, 40, 583-594.e6.	3.1	406
6	Quantitation of mitochondrial dynamics by photolabeling of individual organelles shows that mitochondrial fusion is blocked during the Bax activation phase of apoptosis. <i>Journal of Cell Biology</i> , 2004, 164, 493-499.	2.3	393
7	Endophilin B1 is required for the maintenance of mitochondrial morphology. <i>Journal of Cell Biology</i> , 2004, 166, 1027-1039.	2.3	226
8	Regulating mitochondrial outer membrane proteins by ubiquitination and proteasomal degradation. <i>Current Opinion in Cell Biology</i> , 2011, 23, 476-482.	2.6	214
9	The AAA-ATPase p97 is essential for outer mitochondrial membrane protein turnover. <i>Molecular Biology of the Cell</i> , 2011, 22, 291-300.	0.9	212
10	Transient assembly of F-actin on the outer mitochondrial membrane contributes to mitochondrial fission. <i>Journal of Cell Biology</i> , 2015, 208, 109-123.	2.3	180
11	Neurodegeneration as a consequence of failed mitochondrial maintenance. <i>Acta Neuropathologica</i> , 2012, 123, 157-171.	3.9	169
12	Regulation of Mitochondrial ATP Production: Ca ²⁺ Signaling and Quality Control. <i>Trends in Molecular Medicine</i> , 2020, 26, 21-39.	3.5	134
13	Mitochondrial E3 ubiquitin ligase MARCH5 controls mitochondrial fission and cell sensitivity to stress-induced apoptosis through regulation of MiD49 protein. <i>Molecular Biology of the Cell</i> , 2016, 27, 349-359.	0.9	117
14	Novel regulatory roles of Mff and Drp1 in E3 ubiquitin ligase MARCH5-dependent degradation of MiD49 and Mcl1 and control of mitochondrial dynamics. <i>Molecular Biology of the Cell</i> , 2017, 28, 396-410.	0.9	77
15	A Systematic Search for Endoplasmic Reticulum (ER) Membrane-associated RING Finger Proteins Identifies Nixin/ZNRF4 as a Regulator of Calnexin Stability and ER Homeostasis. <i>Journal of Biological Chemistry</i> , 2011, 286, 8633-8643.	1.6	54
16	Dynamics of the mitochondrial permeability transition pore: Transient and permanent opening events. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 31-39.	1.4	46
17	Photoactivatable Green Fluorescent Protein-Based Visualization and Quantification of Mitochondrial Fusion and Mitochondrial Network Complexity in Living Cells. <i>Methods in Enzymology</i> , 2014, 547, 57-73.	0.4	31
18	Parkin-independent mitophagy via Drp1-mediated outer membrane severing and inner membrane ubiquitination. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	29

#	ARTICLE	IF	CITATIONS
19	ALS/FTD mutations in UBQLN2 are linked to mitochondrial dysfunction through loss-of-function in mitochondrial protein import. <i>Human Molecular Genetics</i> , 2021, 30, 1230-1246.	1.4	10
20	PARP1 PARylates and stabilizes STAT5 in FLT3-ITD acute myeloid leukemia and other STAT5-activated cancers. <i>Translational Oncology</i> , 2022, 15, 101283.	1.7	7
21	The OMM-severed and IMM-ubiquitinated mitochondria are intermediates of mitochondrial proteotoxicity-induced autophagy in PRKN/parkin-deficient cells. <i>Autophagy</i> , 2021, 17, 3884-3886.	4.3	3
22	Calnexin levels are regulated by the ER localized ubiquitin ligase Nixin. <i>FASEB Journal</i> , 2011, 25, 910.1.	0.2	0