

Jodi Nunnari

List of Publications by Year in descending order

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68
papers

18,686
citations

34016

52
h-index

118652

62
g-index

77
all docs

77
docs citations

77
times ranked

18779
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondria: In Sickness and in Health. <i>Cell</i> , 2012, 148, 1145-1159.	13.5	2,411
2	ER Tubules Mark Sites of Mitochondrial Division. <i>Science</i> , 2011, 334, 358-362.	6.0	1,639
3	Mitochondrial form and function. <i>Nature</i> , 2014, 505, 335-343.	13.7	1,317
4	An ER-Mitochondria Tethering Complex Revealed by a Synthetic Biology Screen. <i>Science</i> , 2009, 325, 477-481.	6.0	1,129
5	Chemical Inhibition of the Mitochondrial Division Dynamin Reveals Its Role in Bax/Bak-Dependent Mitochondrial Outer Membrane Permeabilization. <i>Developmental Cell</i> , 2008, 14, 193-204.	3.1	992
6	The dynamin-related GTPase Dnm1 regulates mitochondrial fission in yeast. <i>Nature Cell Biology</i> , 1999, 1, 298-304.	4.6	708
7	The Machines that Divide and Fuse Mitochondria. <i>Annual Review of Biochemistry</i> , 2007, 76, 751-780.	5.0	682
8	Dnm1 forms spirals that are structurally tailored to fit mitochondria. <i>Journal of Cell Biology</i> , 2005, 170, 1021-1027.	2.3	533
9	ER-mitochondria contacts couple mtDNA synthesis with mitochondrial division in human cells. <i>Science</i> , 2016, 353, aaf5549.	6.0	496
10	Mitochondrial Fusion in Yeast Requires the Transmembrane GTPase Fzo1p. <i>Journal of Cell Biology</i> , 1998, 143, 359-373.	2.3	487
11	A mitochondrial-focused genetic interaction map reveals a scaffold-like complex required for inner membrane organization in mitochondria. <i>Journal of Cell Biology</i> , 2011, 195, 323-340.	2.3	402
12	Mitochondrial Inner-Membrane Fusion and Crista Maintenance Requires the Dynamin-Related GTPase Mgm1. <i>Cell</i> , 2006, 127, 383-395.	13.5	399
13	Conformational changes in Dnm1 support a contractile mechanism for mitochondrial fission. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 20-26.	3.6	399
14	Mitochondrial Fusion Intermediates Revealed in Vitro. <i>Science</i> , 2004, 305, 1747-1752.	6.0	397
15	Mdv1p Is a Wd Repeat Protein That Interacts with the Dynamin-Related Gtpase, Dnm1p, to Trigger Mitochondrial Division. <i>Journal of Cell Biology</i> , 2000, 151, 353-366.	2.3	347
16	Mitochondrial dynamics and division in budding yeast. <i>Trends in Cell Biology</i> , 2002, 12, 178-184.	3.6	333
17	ER exit sites are physical and functional core autophagosome biogenesis components. <i>Molecular Biology of the Cell</i> , 2013, 24, 2918-2931.	0.9	330
18	The Dynamin-Related Gtpase, Mgm1p, Is an Intermembrane Space Protein Required for Maintenance of Fusion Competent Mitochondria. <i>Journal of Cell Biology</i> , 2000, 151, 341-352.	2.3	307

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19	The Division of Endosymbiotic Organelles. <i>Science</i> , 2003, 302, 1698-1704.	6.0	281
20	Determinants and Functions of Mitochondrial Behavior. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 357-391.	4.0	280
21	ER-associated mitochondrial division links the distribution of mitochondria and mitochondrial DNA in yeast. <i>ELife</i> , 2013, 2, e00422.	2.8	278
22	Coassembly of Mgm1 isoforms requires cardiolipin and mediates mitochondrial inner membrane fusion. <i>Journal of Cell Biology</i> , 2009, 186, 793-803.	2.3	243
23	The crystal structure of dynamin. <i>Nature</i> , 2011, 477, 561-566.	13.7	241
24	Ltc1 is an ER-localized sterol transporter and a component of ER-mitochondria and ER-vacuole contacts. <i>Journal of Cell Biology</i> , 2015, 209, 539-548.	2.3	230
25	The intramitochondrial dynamin-related GTPase, Mgm1p, is a component of a protein complex that mediates mitochondrial fusion. <i>Journal of Cell Biology</i> , 2003, 160, 303-311.	2.3	221
26	The WD repeat protein, Mdv1p, functions as a molecular adaptor by interacting with Dnm1p and Fis1p during mitochondrial fission. <i>Journal of Cell Biology</i> , 2002, 158, 445-452.	2.3	220
27	Uniform nomenclature for the mitochondrial contact site and cristae organizing system. <i>Journal of Cell Biology</i> , 2014, 204, 1083-1086.	2.3	219
28	MICOS coordinates with respiratory complexes and lipids to establish mitochondrial inner membrane architecture. <i>ELife</i> , 2015, 4, .	2.8	212
29	The Emerging Network of Mitochondria-Organelle Contacts. <i>Molecular Cell</i> , 2016, 61, 648-653.	4.5	210
30	The Soluble Form of Bax Regulates Mitochondrial Fusion via MFN2 Homotypic Complexes. <i>Molecular Cell</i> , 2011, 41, 150-160.	4.5	199
31	Defining the physiological role of SRP in protein-targeting efficiency and specificity. <i>Science</i> , 2018, 359, 689-692.	6.0	164
32	Endoplasmic reticulum-associated mitochondria-cortex tether functions in the distribution and inheritance of mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E458-67.	3.3	162
33	Evidence for a two membrane-spanning autonomous mitochondrial DNA replisome. <i>Journal of Cell Biology</i> , 2003, 163, 503-510.	2.3	157
34	Mitochondria regulate autophagy by conserved signalling pathways. <i>EMBO Journal</i> , 2011, 30, 2101-2114.	3.5	156
35	MICOS and phospholipid transfer by Ups2-Mdm35 organize membrane lipid synthesis in mitochondria. <i>Journal of Cell Biology</i> , 2016, 213, 525-534.	2.3	136
36	Mdv1 Interacts with Assembled Dnm1 to Promote Mitochondrial Division. <i>Journal of Biological Chemistry</i> , 2006, 281, 2177-2183.	1.6	129

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37	Mitochondrial Dynamics and Apoptosis—the ER Connection. <i>Science</i> , 2012, 337, 1052-1054.	6.0	123
38	Mechanistic Analysis of a Dynamin Effector. <i>Science</i> , 2009, 325, 874-877.	6.0	120
39	Regulation of Organelle Biogenesis. <i>Cell</i> , 1996, 84, 389-394.	13.5	111
40	Mgm101p Is a Novel Component of the Mitochondrial Nucleoid That Binds DNA and Is Required for the Repair of Oxidatively Damaged Mitochondrial DNA. <i>Journal of Cell Biology</i> , 1999, 145, 291-304.	2.3	98
41	GRAM domain proteins specialize functionally distinct ER-PM contact sites in human cells. <i>ELife</i> , 2018, 7, .	2.8	96
42	How mitochondria fuse. <i>Current Opinion in Cell Biology</i> , 2005, 17, 389-394.	2.6	93
43	Small Molecule Inhibitors of Mitochondrial Division: Tools that Translate Basic Biological Research into Medicine. <i>Chemistry and Biology</i> , 2010, 17, 578-583.	6.2	87
44	Lipid Homeostasis Is Maintained by Dual Targeting of the Mitochondrial PE Biosynthesis Enzyme to the ER. <i>Developmental Cell</i> , 2018, 44, 261-270.e6.	3.1	83
45	A Continuous, Regenerative Coupled GTPase Assay for Dynamin-Related Proteins. <i>Methods in Enzymology</i> , 2005, 404, 611-619.	0.4	82
46	Molecular basis for sterol transport by St <sc>ART</sc>-like lipid transfer domains. <i>EMBO Journal</i> , 2018, 37, .	3.5	81
47	Sterol transporters at membrane contact sites regulate TORC1 and TORC2 signaling. <i>Journal of Cell Biology</i> , 2017, 216, 2679-2689.	2.3	75
48	Mitochondrial outer and inner membrane fusion requires a modified carrier protein. <i>Journal of Cell Biology</i> , 2009, 184, 569-581.	2.3	69
49	Coenzyme Q biosynthetic proteins assemble in a substrate-dependent manner into domains at ER-mitochondria contacts. <i>Journal of Cell Biology</i> , 2019, 218, 1353-1369.	2.3	69
50	Protein targeting to and translocation across the membrane of the endoplasmic reticulum. <i>Current Opinion in Cell Biology</i> , 1992, 4, 573-580.	2.6	67
51	Staying in aerobic shape: how the structural integrity of mitochondria and mitochondrial DNA is maintained. <i>Current Opinion in Cell Biology</i> , 2003, 15, 482-488.	2.6	67
52	PDZD8 interacts with Protrudin and Rab7 at ER-late endosome membrane contact sites associated with mitochondria. <i>Nature Communications</i> , 2020, 11, 3645.	5.8	64
53	Mitochondrial hepato-encephalopathy due to deficiency of QIL1/MIC13 (C19orf70), a MICOS complex subunit. <i>European Journal of Human Genetics</i> , 2016, 24, 1778-1782.	1.4	44
54	TOR complex 2-Ypk1 signaling is an essential positive regulator of the general amino acid control response and autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10586-10591.	3.3	43

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55	Structural analysis of a trimeric assembly of the mitochondrial dynamin-like GTPase Mgm1. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4061-4070.	3.3	42
56	The modified mitochondrial outer membrane carrier MTCH2 links mitochondrial fusion to lipogenesis. Journal of Cell Biology, 2021, 220, .	2.3	33
57	A role for mitochondria in autophagy regulation. Autophagy, 2011, 7, 1245-1246.	4.3	22
58	Studying the behavior of mitochondria. Methods in Enzymology, 2002, 351, 381-393.	0.4	21
59	Interaction of MDM33 with mitochondrial inner membrane homeostasis pathways in yeast. Scientific Reports, 2016, 5, 18344.	1.6	20
60	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. ELife, 2021, 10, .	2.8	20
61	In Vitro Assays for Mitochondrial Fusion and Division. Methods in Cell Biology, 2007, 80, 707-720.	0.5	6
62	Editorial overview. Current Opinion in Cell Biology, 2011, 23, 367-369.	2.6	1
63	Editorial overview: Cell regulation: Cell biology, fueling a renaissance in metabolism. Current Opinion in Cell Biology, 2015, 33, vii-viii.	2.6	0
64	Doing what we do best, only better. Journal of Cell Biology, 2016, 213, 141-141.	2.3	0
65	Introducing a new look for JCB. Journal of Cell Biology, 2017, 216, 3885-3885.	2.3	0
66	The machines that divide and fuse mitochondria. FASEB Journal, 2007, 21, A96.	0.2	0
67	The Role of Dynamin Family Members in Membrane Fission. FASEB Journal, 2009, 23, 82.1.	0.2	0
68	The behavior of mitochondria. FASEB Journal, 2012, 26, 103.1.	0.2	0