Jodi Nunnari

List of Publications by Citations

65 papers	14,785 citations	50 h-index	77 g-index
77 ext. papers	17,055 ext. citations	14.8 avg, IF	6.9 L-index

#	Paper	IF	Citations
65	Mitochondria: in sickness and in health. *Cell*, **2012**, 148, 1145-59	56.2	1702
64	ER tubules mark sites of mitochondrial division. *Science*, **2011**, 334, 358-62	33.3	1243
63	An ER-mitochondria tethering complex revealed by a synthetic biology screen. *Science*, **2009**, 325, 477-81	33.3	935
62	Mitochondrial form and function. *Nature*, **2014**, 505, 335-43	50.4	901
61	Chemical inhibition of the mitochondrial division dynamin reveals its role in Bax/Bak-dependent mitochondrial outer membrane permeabilization. *Developmental Cell*, **2008**, 14, 193-204	10.2	805
60	The machines that divide and fuse mitochondria. *Annual Review of Biochemistry*, **2007**, 76, 751-80	29.1	601
59	The dynamin-related GTPase Dnm1 regulates mitochondrial fission in yeast. *Nature Cell Biology*, **1999**, 1, 298-304	23.4	586
58	Dnm1 forms spirals that are structurally tailored to fit mitochondria. *Journal of Cell Biology*, **2005**, 170, 1021-7	7.3	452
57	Mitochondrial fusion in yeast requires the transmembrane GTPase Fzo1p. *Journal of Cell Biology*, **1998**, 143, 359-73	7.3	432
56	ER-mitochondria contacts couple mtDNA synthesis with mitochondrial division in human cells. *Science*, **2016**, 353, aaf5549	33.3	346
55	Mitochondrial fusion intermediates revealed in vitro. *Science*, **2004**, 305, 1747-52	33.3	345
54	Mitochondrial inner-membrane fusion and crista maintenance requires the dynamin-related GTPase Mgm1. *Cell*, **2006**, 127, 383-95	56.2	343
53	A mitochondrial-focused genetic interaction map reveals a scaffold-like complex required for inner membrane organization in mitochondria. *Journal of Cell Biology*, **2011**, 195, 323-40	7.3	335
52	Conformational changes in Dnm1 support a contractile mechanism for mitochondrial fission. *Nature Structural and Molecular Biology*, **2011**, 18, 20-6	17.6	311
51	Mitochondrial dynamics and division in budding yeast. *Trends in Cell Biology*, **2002**, 12, 178-84	18.3	304
50	Mdv1p is a WD repeat protein that interacts with the dynamin-related GTPase, Dnm1p, to trigger mitochondrial division. *Journal of Cell Biology*, **2000**, 151, 353-66	7.3	293
49	The dynamin-related GTPase, Mgm1p, is an intermembrane space protein required for maintenance of fusion competent mitochondria. *Journal of Cell Biology*, **2000**, 151, 341-52	7.3	275

48	The division of endosymbiotic organelles. *Science*, **2003**, 302, 1698-704	33.3	248
47	ER exit sites are physical and functional core autophagosome biogenesis components. *Molecular Biology of the Cell*, **2013**, 24, 2918-31	3.5	244
46	ER-associated mitochondrial division links the distribution of mitochondria and mitochondrial DNA in yeast. *ELife*, **2013**, 2, e00422	8.9	234
45	Coassembly of Mgm1 isoforms requires cardiolipin and mediates mitochondrial inner membrane fusion. *Journal of Cell Biology*, **2009**, 186, 793-803	7.3	215
44	The crystal structure of dynamin. *Nature*, **2011**, 477, 561-6	50.4	209
43	Determinants and functions of mitochondrial behavior. *Annual Review of Cell and Developmental Biology*, **2014**, 30, 357-91	12.6	207
42	The intramitochondrial dynamin-related GTPase, Mgm1p, is a component of a protein complex that mediates mitochondrial fusion. *Journal of Cell Biology*, **2003**, 160, 303-11	7.3	205
41	The WD repeat protein, Mdv1p, functions as a molecular adaptor by interacting with Dnm1p and Fis1p during mitochondrial fission. *Journal of Cell Biology*, **2002**, 158, 445-52	7.3	183
40	Uniform nomenclature for the mitochondrial contact site and cristae organizing system. *Journal of Cell Biology*, **2014**, 204, 1083-6	7.3	177
39	Ltc1 is an ER-localized sterol transporter and a component of ER-mitochondria and ER-vacuole contacts. *Journal of Cell Biology*, **2015**, 209, 539-48	7.3	177
38	The soluble form of Bax regulates mitochondrial fusion via MFN2 homotypic complexes. *Molecular Cell*, **2011**, 41, 150-60	17.6	166
37	The Emerging Network of Mitochondria-Organelle Contacts. *Molecular Cell*, **2016**, 61, 648-653	17.6	154
36	Evidence for a two membrane-spanning autonomous mitochondrial DNA replisome. *Journal of Cell Biology*, **2003**, 163, 503-10	7.3	152
35	MICOS coordinates with respiratory complexes and lipids to establish mitochondrial inner membrane architecture. *ELife*, **2015**, 4,	8.9	148
34	Mitochondria regulate autophagy by conserved signalling pathways. *EMBO Journal*, **2011**, 30, 2101-14	13	138
33	Endoplasmic reticulum-associated mitochondria-cortex tether functions in the distribution and inheritance of mitochondria. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E458-67	11.5	130
32	Mdv1 interacts with assembled dnm1 to promote mitochondrial division. *Journal of Biological Chemistry*, **2006**, 281, 2177-83	5.4	110
31	Defining the physiological role of SRP in protein-targeting efficiency and specificity. *Science*, **2018**, 359, 689-692	33.3	108

30	Mechanistic analysis of a dynamin effector. *Science*, **2009**, 325, 874-7	33.3	108
29	Cell Biology. Mitochondrial dynamics and apoptosis--the ER connection. *Science*, **2012**, 337, 1052-4	33.3	105
28	MICOS and phospholipid transfer by Ups2-Mdm35 organize membrane lipid synthesis in mitochondria. *Journal of Cell Biology*, **2016**, 213, 525-34	7.3	99
27	Mgm101p is a novel component of the mitochondrial nucleoid that binds DNA and is required for the repair of oxidatively damaged mitochondrial DNA. *Journal of Cell Biology*, **1999**, 145, 291-304	7.3	94
26	Regulation of organelle biogenesis. *Cell*, **1996**, 84, 389-94	56.2	93
25	How mitochondria fuse. *Current Opinion in Cell Biology*, **2005**, 17, 389-94	9	84
24	Small molecule inhibitors of mitochondrial division: tools that translate basic biological research into medicine. *Chemistry and Biology*, **2010**, 17, 578-83		72
23	GRAM domain proteins specialize functionally distinct ER-PM contact sites in human cells. *ELife*, **2018**, 7,	8.9	64
22	Mitochondrial outer and inner membrane fusion requires a modified carrier protein. *Journal of Cell Biology*, **2009**, 184, 569-81	7.3	61
21	Lipid Homeostasis Is Maintained by Dual Targeting of the Mitochondrial PE Biosynthesis Enzyme to the ER. *Developmental Cell*, **2018**, 44, 261-270.e6	10.2	60
20	A continuous, regenerative coupled GTPase assay for dynamin-related proteins. *Methods in Enzymology*, **2005**, 404, 611-9	1.7	60
19	Staying in aerobic shape: how the structural integrity of mitochondria and mitochondrial DNA is maintained. *Current Opinion in Cell Biology*, **2003**, 15, 482-8	9	59
18	Protein targeting to and translocation across the membrane of the endoplasmic reticulum. *Current Opinion in Cell Biology*, **1992**, 4, 573-80	9	59
17	Molecular basis for sterol transport by StART-like lipid transfer domains. *EMBO Journal*, **2018**, 37,	13	56
16	Sterol transporters at membrane contact sites regulate TORC1 and TORC2 signaling. *Journal of Cell Biology*, **2017**, 216, 2679-2689	7.3	55
15	Coenzyme Q biosynthetic proteins assemble in a substrate-dependent manner into domains at ER-mitochondria contacts. *Journal of Cell Biology*, **2019**, 218, 1353-1369	7.3	45
14	TOR complex 2-Ypk1 signaling is an essential positive regulator of the general amino acid control response and autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10586-91	11.5	38
13	Mitochondrial hepato-encephalopathy due to deficiency of QIL1/MIC13 (C19orf70), a MICOS complex subunit. *European Journal of Human Genetics*, **2016**, 24, 1778-1782	5.3	34

12	PDZD8 interacts with Protrudin and Rab7 at ER-late endosome membrane contact sites associated with mitochondria. *Nature Communications*, **2020**, 11, 3645	17.4	26
11	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	11.5	23
10	Studying the behavior of mitochondria. *Methods in Enzymology*, **2002**, 351, 381-93	1.7	21
9	A role for mitochondria in autophagy regulation. *Autophagy*, **2011**, 7, 1245-6	10.2	19
8	Interaction of MDM33 with mitochondrial inner membrane homeostasis pathways in yeast. *Scientific Reports*, **2015**, 5, 18344	4.9	12
7	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. *ELife*, **2021**, 10,	8.9	8
6	In vitro assays for mitochondrial fusion and division. *Methods in Cell Biology*, **2007**, 80, 707-20	1.8	6
5	The modified mitochondrial outer membrane carrier MTCH2 links mitochondrial fusion to lipogenesis. *Journal of Cell Biology*, **2021**, 220,	7.3	6
4	Author response: MICOS coordinates with respiratory complexes and lipids to establish mitochondrial inner membrane architecture **2015**,		3
3	The machines that divide and fuse mitochondria. *FASEB Journal*, **2007**, 21, A96	0.9	
2	The Role of Dynamin Family Members in Membrane Fission. *FASEB Journal*, **2009**, 23, 82.1	0.9	
1	The behavior of mitochondria. *FASEB Journal*, **2012**, 26, 103.1	0.9	