Manuel Rojo

List of Publications by Year in Descending Order

29 papers	3,654 citations	21 h-index	31 g-index
31 ext. papers	3,963 ext. citations	4.8 avg, IF	4.77 L-index

#	Paper	IF	Citations
29	TMEM70 forms oligomeric scaffolds within mitochondrial cristae promoting in situ assembly of mammalian ATP synthase proton channel. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2021**, 1868, 118942	4.9	5
28	Mitochondria: Ultrastructure, Dynamics, Biogenesis and Main Functions **2019**, 3-32		1
27	The heptad repeat domain 1 of Mitofusin has membrane destabilization function in mitochondrial fusion. *EMBO Reports*, **2018**, 19,	6.5	23
26	Mitofusin gain and loss of function drive pathogenesis in models of CMT2A neuropathy. *EMBO Reports*, **2018**, 19,	6.5	44
25	Mitochondrial DNA mutations provoke dominant inhibition of mitochondrial inner membrane fusion. *PLoS ONE*, **2012**, 7, e49639	3.7	12
24	The BH3-only Bnip3 binds to the dynamin Opa1 to promote mitochondrial fragmentation and apoptosis by distinct mechanisms. *EMBO Reports*, **2010**, 11, 459-65	6.5	126
23	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. *Human Molecular Genetics*, **2010**, 19, 4861-70	5.6	680
22	Energetic requirements and bioenergetic modulation of mitochondrial morphology and dynamics. *Seminars in Cell and Developmental Biology*, **2010**, 21, 558-65	7.5	79
21	Metalloprotease-mediated OPA1 processing is modulated by the mitochondrial membrane potential. *Biology of the Cell*, **2008**, 100, 315-25	3.5	125
20	Mitochondrial fusion is increased by the nuclear coactivator PGC-1beta. *PLoS ONE*, **2008**, 3, e3613	3.7	137
19	The mitochondria of cultured mammalian cells: I. Analysis by immunofluorescence microscopy, histochemistry, subcellular fractionation, and cell fusion. *Methods in Molecular Biology*, **2007**, 372, 3-16	1.4	6
18	The mitochondria of cultured mammalian cells: II. Expression and visualization of exogenous proteins in fixed and live cells. *Methods in Molecular Biology*, **2007**, 372, 17-32	1.4	11
17	Organization, dynamics and transmission of mitochondrial DNA: focus on vertebrate nucleoids. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2006**, 1763, 463-72	4.9	41
16	Formation of elongated giant mitochondria in DFO-induced cellular senescence: involvement of enhanced fusion process through modulation of Fis1. *Journal of Cellular Physiology*, **2006**, 209, 468-80	7	193
15	Separate fusion of outer and inner mitochondrial membranes. *EMBO Reports*, **2005**, 6, 853-9	6.5	161
14	Organization and dynamics of human mitochondrial DNA. *Journal of Cell Science*, **2004**, 117, 2653-62	5.3	288
13	The trans-membrane protein p25 forms highly specialized domains that regulate membrane composition and dynamics. *Journal of Cell Science*, **2003**, 116, 4821-32	5.3	35

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12	Mitochondrial fusion in human cells is efficient, requires the inner membrane potential, and is mediated by mitofusins. *Molecular Biology of the Cell*, **2002**, 13, 4343-54	3.5	500
11	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. *Journal of Cell Science*, **2002**, 115, 1663-1674	5.3	381
10	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. *Journal of Cell Science*, **2002**, 115, 1663-74	5.3	350
9	Synthetic lethality with conditional dbp6 alleles identifies rsa1p, a nucleoplasmic protein involved in the assembly of 60S ribosomal subunits. *Molecular and Cellular Biology*, **1999**, 19, 8633-45	4.8	50
8	Dbp6p is an essential putative ATP-dependent RNA helicase required for 60S-ribosomal-subunit assembly in Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **1998**, 18, 1855-65	4.8	80
7	Spb4p, an essential putative RNA helicase, is required for a late step in the assembly of 60S ribosomal subunits in Saccharomyces cerevisiae. *Rna*, **1998**, 4, 1268-81	5.8	73
6	Involvement of the transmembrane protein p23 in biosynthetic protein transport. *Journal of Cell Biology*, **1997**, 139, 1119-35	7.3	133
5	The structure of mitochondrial creatine kinase and its membrane binding properties. *Molecular and Cellular Biochemistry*, **1994**, 133-134, 115-23	4.2	16
4	The mitochondrial ATP/ADP carrier: interaction with detergents and purification by a novel procedure. *Biochimica Et Biophysica Acta - Bioenergetics*, **1994**, 1187, 360-7	4.6	16
3	The structure of mitochondrial creatine kinase and its membrane binding properties **1994**, 115-123		
2	Interaction of mitochondrial creatine kinase with model membranes. A monolayer study. *FEBS Letters*, **1991**, 281, 123-9	3.8	47
1	The role of contact sites between inner and outer mitochondrial membrane in energy transfer. *Biochimica Et Biophysica Acta - Bioenergetics*, **1990**, 1018, 229-33	4.6	36