

# Manuel Rojo

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 4861-70	5.6	680
28	Mitochondrial fusion in human cells is efficient, requires the inner membrane potential, and is mediated by mitofusins. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 4343-54	3.5	500
27	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1663-1674	5.3	381
26	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1663-74	5.3	350
25	Organization and dynamics of human mitochondrial DNA. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 2653-62	5.3	288
24	Formation of elongated giant mitochondria in DFO-induced cellular senescence: involvement of enhanced fusion process through modulation of Fis1. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 209, 468-80	7	193
23	Separate fusion of outer and inner mitochondrial membranes. <i>EMBO Reports</i> , <b>2005</b> , 6, 853-9	6.5	161
22	Mitochondrial fusion is increased by the nuclear coactivator PGC-1beta. <i>PLoS ONE</i> , <b>2008</b> , 3, e3613	3.7	137
21	Involvement of the transmembrane protein p23 in biosynthetic protein transport. <i>Journal of Cell Biology</i> , <b>1997</b> , 139, 1119-35	7.3	133
20	The BH3-only Bnip3 binds to the dynamin Opa1 to promote mitochondrial fragmentation and apoptosis by distinct mechanisms. <i>EMBO Reports</i> , <b>2010</b> , 11, 459-65	6.5	126
19	Metalloprotease-mediated OPA1 processing is modulated by the mitochondrial membrane potential. <i>Biology of the Cell</i> , <b>2008</b> , 100, 315-25	3.5	125
18	Dbp6p is an essential putative ATP-dependent RNA helicase required for 60S-ribosomal-subunit assembly in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 1855-65	4.8	80
17	Energetic requirements and bioenergetic modulation of mitochondrial morphology and dynamics. <i>Seminars in Cell and Developmental Biology</i> , <b>2010</b> , 21, 558-65	7.5	79
16	Spb4p, an essential putative RNA helicase, is required for a late step in the assembly of 60S ribosomal subunits in <i>Saccharomyces cerevisiae</i> . <i>Rna</i> , <b>1998</b> , 4, 1268-81	5.8	73
15	Synthetic lethality with conditional dbp6 alleles identifies rsa1p, a nucleoplasmic protein involved in the assembly of 60S ribosomal subunits. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 8633-45	4.8	50
14	Interaction of mitochondrial creatine kinase with model membranes. A monolayer study. <i>FEBS Letters</i> , <b>1991</b> , 281, 123-9	3.8	47
13	Mitofusin gain and loss of function drive pathogenesis in models of CMT2A neuropathy. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	44

12	Organization, dynamics and transmission of mitochondrial DNA: focus on vertebrate nucleoids. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2006</b> , 1763, 463-72	4.9	41
11	The role of contact sites between inner and outer mitochondrial membrane in energy transfer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1990</b> , 1018, 229-33	4.6	36
10	The trans-membrane protein p25 forms highly specialized domains that regulate membrane composition and dynamics. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 4821-32	5.3	35
9	The heptad repeat domain 1 of Mitofusin has membrane destabilization function in mitochondrial fusion. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	23
8	The structure of mitochondrial creatine kinase and its membrane binding properties. <i>Molecular and Cellular Biochemistry</i> , <b>1994</b> , 133-134, 115-23	4.2	16
7	The mitochondrial ATP/ADP carrier: interaction with detergents and purification by a novel procedure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1994</b> , 1187, 360-7	4.6	16
6	Mitochondrial DNA mutations provoke dominant inhibition of mitochondrial inner membrane fusion. <i>PLoS ONE</i> , <b>2012</b> , 7, e49639	3.7	12
5	The mitochondria of cultured mammalian cells: II. Expression and visualization of exogenous proteins in fixed and live cells. <i>Methods in Molecular Biology</i> , <b>2007</b> , 372, 17-32	1.4	11
4	The mitochondria of cultured mammalian cells: I. Analysis by immunofluorescence microscopy, histochemistry, subcellular fractionation, and cell fusion. <i>Methods in Molecular Biology</i> , <b>2007</b> , 372, 3-16	1.4	6
3	TMEM70 forms oligomeric scaffolds within mitochondrial cristae promoting in situ assembly of mammalian ATP synthase proton channel. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1868, 118942	4.9	5
2	Mitochondria: Ultrastructure, Dynamics, Biogenesis and Main Functions <b>2019</b> , 3-32		1
1	The structure of mitochondrial creatine kinase and its membrane binding properties <b>1994</b> , 115-123		