

Manuel Rojo

List of Publications by Year in descending order

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29
papers

4,252
citations

331670

21
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501196

28
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31
all docs

31
docs citations

31
times ranked

6820
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. <i>Human Molecular Genetics</i> , 2010, 19, 4861-4870.	2.9	795
2	Mitochondrial Fusion in Human Cells Is Efficient, Requires the Inner Membrane Potential, and Is Mediated by Mitofusins. <i>Molecular Biology of the Cell</i> , 2002, 13, 4343-4354.	2.1	573
3	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. <i>Journal of Cell Science</i> , 2002, 115, 1663-1674.	2.0	460
4	Membrane topology and mitochondrial targeting of mitofusins, ubiquitous mammalian homologs of the transmembrane GTPase Fzo. <i>Journal of Cell Science</i> , 2002, 115, 1663-74.	2.0	384
5	Organization and dynamics of human mitochondrial DNA. <i>Journal of Cell Science</i> , 2004, 117, 2653-2662.	2.0	338
6	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> , 2006, 209, 468-480.	4.1	234
7	Separate fusion of outer and inner mitochondrial membranes. <i>EMBO Reports</i> , 2005, 6, 853-859.	4.5	186
8	Mitochondrial Fusion Is Increased by the Nuclear Coactivator PGC-1 β . <i>PLoS ONE</i> , 2008, 3, e3613.	2.5	159
9	The BH3-only Bnip3 binds to the dynamin Opa1 to promote mitochondrial fragmentation and apoptosis by distinct mechanisms. <i>EMBO Reports</i> , 2010, 11, 459-465.	4.5	150
10	Metalloprotease-mediated OPA1 processing is modulated by the mitochondrial membrane potential. <i>Biology of the Cell</i> , 2008, 100, 315-325.	2.0	149
11	Involvement of the Transmembrane Protein p23 in Biosynthetic Protein Transport. <i>Journal of Cell Biology</i> , 1997, 139, 1119-1135.	5.2	144
12	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> , 1998, 18, 1855-1865.	2.3	88
13	Energetic requirements and bioenergetic modulation of mitochondrial morphology and dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 558-565.	5.0	87
14	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> , 1998, 4, 1268-1281.	3.5	81
15	Mitofusin gain and loss of function drive pathogenesis in <i>Drosophila</i> models of CMT2A neuropathy. <i>EMBO Reports</i> , 2018, 19, .	4.5	62
16	Synthetic Lethality with Conditional <i>dbp6</i> Alleles Identifies Rsa1p, a Nucleoplasmic Protein Involved in the Assembly of 60S Ribosomal Subunits. <i>Molecular and Cellular Biology</i> , 1999, 19, 8633-8645.	2.3	56
17	Interaction of mitochondrial creatine kinase with model membranes A monolayer study. <i>FEBS Letters</i> , 1991, 281, 123-129.	2.8	53
18	Organization, dynamics and transmission of mitochondrial DNA: Focus on vertebrate nucleoids. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 463-472.	4.1	44

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19	The heptad repeat domain 1 of Mitofusin has membrane destabilization function in mitochondrial fusion. <i>EMBO Reports</i> , 2018, 19, .	4.5	39
20	The role of contact sites between inner and outer mitochondrial membrane in energy transfer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1018, 229-233.	1.0	38
21	The trans-membrane protein p25 forms highly specialized domains that regulate membrane composition and dynamics. <i>Journal of Cell Science</i> , 2003, 116, 4821-4832.	2.0	38
22	The structure of mitochondrial creatine kinase and its membrane binding properties. <i>Molecular and Cellular Biochemistry</i> , 1994, 133-134, 115-123.	3.1	18
23	The mitochondrial ATP / ADP carrier: Interaction with detergents and purification by a novel procedure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1187, 360-367.	1.0	17
24	Mitochondrial DNA Mutations Provoke Dominant Inhibition of Mitochondrial Inner Membrane Fusion. <i>PLoS ONE</i> , 2012, 7, e49639.	2.5	14
25	The Mitochondria of Cultured Mammalian Cells. <i>Methods in Molecular Biology</i> , 2007, 372, 17-32.	0.9	11
26	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> , 2021, 1868, 118942.	4.1	10
27	The Mitochondria of Cultured Mammalian Cells. <i>Methods in Molecular Biology</i> , 2007, 372, 3-16.	0.9	7
28	Mitochondria: Ultrastructure, Dynamics, Biogenesis and Main Functions. , 2019, , 3-32.		2
29	The structure of mitochondrial creatine kinase and its membrane binding properties. , 1994, , 115-123.		0