

Luca Scorrano

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190
papers

32,286
citations

79
h-index

179
g-index

219
ext. papers

37,586
ext. citations

12.2
avg, IF

7.34
L-index

#	Paper	IF	Citations
190	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	14.2	2783
189	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
188	Mitofusin 2 tethers endoplasmic reticulum to mitochondria. <i>Nature</i> , 2008 , 456, 605-10	50.4	1674
187	BAX and BAK regulation of endoplasmic reticulum Ca ²⁺ : a control point for apoptosis. <i>Science</i> , 2003 , 300, 135-9	33.3	1204
186	During autophagy mitochondria elongate, are spared from degradation and sustain cell viability. <i>Nature Cell Biology</i> , 2011 , 13, 589-98	23.4	1160
185	OPA1 controls apoptotic cristae remodeling independently from mitochondrial fusion. <i>Cell</i> , 2006 , 126, 177-89	56.2	1155
184	OPA1 requires mitofusin 1 to promote mitochondrial fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15927-32	11.5	888
183	A distinct pathway remodels mitochondrial cristae and mobilizes cytochrome c during apoptosis. <i>Developmental Cell</i> , 2002 , 2, 55-67	10.2	862
182	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017 , 36, 1811-1836	13	857
181	Organelle isolation: functional mitochondria from mouse liver, muscle and cultured fibroblasts. <i>Nature Protocols</i> , 2007 , 2, 287-95	18.8	835
180	Dephosphorylation by calcineurin regulates translocation of Drp1 to mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15803-8	11.5	778
179	Mitochondrial cristae shape determines respiratory chain supercomplexes assembly and respiratory efficiency. <i>Cell</i> , 2013 , 155, 160-71	56.2	699
178	Mechanisms of cytochrome c release by proapoptotic BCL-2 family members. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 437-44	3.4	592
177	Mitochondrial rhomboid PARL regulates cytochrome c release during apoptosis via OPA1-dependent cristae remodeling. <i>Cell</i> , 2006 , 126, 163-75	56.2	575
176	Mitochondria and cell death. Mechanistic aspects and methodological issues. <i>FEBS Journal</i> , 1999 , 264, 687-701		563
175	BAD and glucokinase reside in a mitochondrial complex that integrates glycolysis and apoptosis. <i>Nature</i> , 2003 , 424, 952-6	50.4	560
174	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009 , 16, 1093-107	12.7	533

173	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016 , 22, 1428-1438	50.5	532
172	Mitochondrial fission and remodelling contributes to muscle atrophy. <i>EMBO Journal</i> , 2010 , 29, 1774-85	13	415
171	Mitochondrial Cristae: Where Beauty Meets Functionality. <i>Trends in Biochemical Sciences</i> , 2016 , 41, 261-273	13	379
170	Proapoptotic BAX and BAK regulate the type 1 inositol trisphosphate receptor and calcium leak from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 105-10	11.5	373
169	The mitochondrial permeability transition, release of cytochrome c and cell death. Correlation with the duration of pore openings in situ. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12030-4	5.4	373
168	Mito-Morphosis: Mitochondrial Fusion, Fission, and Cristae Remodeling as Key Mediators of Cellular Function. <i>Annual Review of Physiology</i> , 2016 , 78, 505-31	23.1	371
167	Mitofusins, from Mitochondria to Metabolism. <i>Molecular Cell</i> , 2016 , 61, 683-694	17.6	315
166	Parkinson's disease mutations in PINK1 result in decreased Complex I activity and deficient synaptic function. <i>EMBO Molecular Medicine</i> , 2009 , 1, 99-111	12	298
165	Mitochondrial fission and fusion factors reciprocally orchestrate mitophagic culling in mouse hearts and cultured fibroblasts. <i>Cell Metabolism</i> , 2015 , 21, 273-286	24.6	292
164	Critical reappraisal confirms that Mitofusin 2 is an endoplasmic reticulum-mitochondria tether. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11249-11254	11.5	286
163	Mitochondria: from cell death executioners to regulators of cell differentiation. <i>Trends in Cell Biology</i> , 2014 , 24, 761-70	18.3	284
162	Superoxide-mediated activation of uncoupling protein 2 causes pancreatic β cell dysfunction. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1831-1842	15.9	271
161	The cell biology of mitochondrial membrane dynamics. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 204-224	48.7	267
160	The OPA1-dependent mitochondrial cristae remodeling pathway controls atrophic, apoptotic, and ischemic tissue damage. <i>Cell Metabolism</i> , 2015 , 21, 834-44	24.6	260
159	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. <i>Cell Metabolism</i> , 2017 , 25, 1374-1389.e6	24.6	245
158	Arachidonic acid causes cell death through the mitochondrial permeability transition. Implications for tumor necrosis factor-alpha apoptotic signaling. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12035-40	5.4	242
157	Phosphorylation of BCL-2 regulates ER Ca ²⁺ homeostasis and apoptosis. <i>EMBO Journal</i> , 2004 , 23, 1207-16	16	241
156	An intimate liaison: spatial organization of the endoplasmic reticulum-mitochondria relationship. <i>EMBO Journal</i> , 2010 , 29, 2715-23	13	240

155	Orchestration of lymphocyte chemotaxis by mitochondrial dynamics. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2879-86	16.6	237
154	Mitochondrial fusion directs cardiomyocyte differentiation via calcineurin and Notch signaling. <i>Science</i> , 2013 , 342, 734-7	33.3	232
153	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019 , 10, 1287	17.4	229
152	Mitochondrial shape changes: orchestrating cell pathophysiology. <i>EMBO Reports</i> , 2010 , 11, 678-84	6.5	225
151	The relationship between mitochondrial shape and function and the cytoskeleton. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 692-9	4.6	211
150	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington's disease to apoptotic stimuli. <i>EMBO Molecular Medicine</i> , 2010 , 2, 490-503	12	201
149	A novel mitochondriotoxic small molecule that selectively inhibits tumor cell growth. <i>Cancer Cell</i> , 2002 , 2, 29-42	24.3	196
148	Role of endoplasmic reticulum depletion and multidomain proapoptotic BAX and BAK proteins in shaping cell death after hypericin-mediated photodynamic therapy. <i>FASEB Journal</i> , 2006 , 20, 756-8	0.9	195
147	High levels of Fis1, a pro-fission mitochondrial protein, trigger autophagy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 860-6	4.6	186
146	Mitochondrial morphology in mitophagy and macroautophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 205-12	4.9	180
145	DRP1-mediated mitochondrial shape controls calcium homeostasis and muscle mass. <i>Nature Communications</i> , 2019 , 10, 2576	17.4	158
144	Opa1 overexpression ameliorates the phenotype of two mitochondrial disease mouse models. <i>Cell Metabolism</i> , 2015 , 21, 845-54	24.6	158
143	The mitochondrial permeability transition. <i>BioFactors</i> , 1998 , 8, 273-81	6.1	158
142	Constitutive pre-TCR signaling promotes differentiation through Ca ²⁺ mobilization and activation of NF-kappaB and NFAT. <i>Nature Immunology</i> , 2001 , 2, 403-9	19.1	153
141	On the voltage dependence of the mitochondrial permeability transition pore. A critical appraisal. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12295-9	5.4	149
140	LETM1, deleted in Wolf-Hirschhorn syndrome is required for normal mitochondrial morphology and cellular viability. <i>Human Molecular Genetics</i> , 2008 , 17, 201-14	5.6	143
139	Extracellular regulated kinase phosphorylates mitofusin 1 to control mitochondrial morphology and apoptosis. <i>Molecular Cell</i> , 2015 , 58, 244-54	17.6	136
138	Arachidonic acid released by phospholipase A(2) activation triggers Ca(2+)-dependent apoptosis through the mitochondrial pathway. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25219-25	5.4	132

137	Commitment to apoptosis by GD3 ganglioside depends on opening of the mitochondrial permeability transition pore. <i>Journal of Biological Chemistry</i> , 1999 , 274, 22581-5	5.4	130
136	Mitochondrial dynamics protein Drp1 is overexpressed in oncocytic thyroid tumors and regulates cancer cell migration. <i>PLoS ONE</i> , 2015 , 10, e0122308	3.7	126
135	A reversible component of mitochondrial respiratory dysfunction in apoptosis can be rescued by exogenous cytochrome c. <i>EMBO Journal</i> , 2001 , 20, 661-71	13	122
134	At the right distance: ER-mitochondria juxtaposition in cell life and death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2184-94	4.9	117
133	Mitofusin 2: a mitochondria-shaping protein with signaling roles beyond fusion. <i>Antioxidants and Redox Signaling</i> , 2008 , 10, 621-33	8.4	115
132	(De)constructing mitochondria: what for?. <i>Physiology</i> , 2006 , 21, 233-41	9.8	111
131	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. <i>Molecular Biology of the Cell</i> , 2006 , 17, 4593-605	3.5	111
130	The many shapes of mitochondrial death. <i>Oncogene</i> , 2006 , 25, 4717-24	9.2	111
129	Shaping the role of mitochondria in the pathogenesis of Huntington's disease. <i>EMBO Journal</i> , 2012 , 31, 1853-64	13	110
128	Mitofusin-2 regulates mitochondrial and endoplasmic reticulum morphology and tethering: the role of Ras. <i>Mitochondrion</i> , 2009 , 9, 222-6	4.9	110
127	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. <i>Cell Death and Differentiation</i> , 2018 , 25, 1131-1145	12.7	108
126	The changing shape of mitochondrial apoptosis. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 287-98	9.8	106
125	A cut short to death: Parl and Opa1 in the regulation of mitochondrial morphology and apoptosis. <i>Cell Death and Differentiation</i> , 2007 , 14, 1275-84	12.7	104
124	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. <i>Scientific Reports</i> , 2016 , 6, 27351	4.9	102
123	Trichoplein/mitostatin regulates endoplasmic reticulum-mitochondria juxtaposition. <i>EMBO Reports</i> , 2010 , 11, 854-60	6.5	100
122	Granzyme B can cause mitochondrial depolarization and cell death in the absence of BID, BAX, and BAK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14985-90	11.5	97
121	Regulation of endoplasmic reticulum Ca ²⁺ dynamics by proapoptotic BCL-2 family members. <i>Biochemical Pharmacology</i> , 2003 , 66, 1335-40	6	93
120	Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation. <i>Cell Death and Differentiation</i> , 2010 , 17, 1684-96	12.7	91

119	Inhibition of Drp1-dependent mitochondrial fragmentation and apoptosis by a polypeptide antagonist of calcineurin. <i>Cell Death and Differentiation</i> , 2010 , 17, 1785-94	12.7	86
118	Cell death induced by granzyme C. <i>Blood</i> , 2003 , 101, 3093-101	2.2	85
117	Optic Atrophy 1 Is Epistatic to the Core MICOS Component MIC60 in Mitochondrial Cristae Shape Control. <i>Cell Reports</i> , 2016 , 17, 3024-3034	10.6	85
116	Mitofusin 2 regulates STIM1 migration from the Ca ²⁺ store to the plasma membrane in cells with depolarized mitochondria. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12189-201	5.4	83
115	Chloromethyltetramethylrosamine (Mitotracker Orange) induces the mitochondrial permeability transition and inhibits respiratory complex I. Implications for the mechanism of cytochrome c release. <i>Journal of Biological Chemistry</i> , 1999 , 274, 24657-63	5.4	82
114	OPA1 promotes pH flashes that spread between contiguous mitochondria without matrix protein exchange. <i>EMBO Journal</i> , 2013 , 32, 1927-40	13	81
113	A novel deletion in the GTPase domain of OPA1 causes defects in mitochondrial morphology and distribution, but not in function. <i>Human Molecular Genetics</i> , 2008 , 17, 3291-302	5.6	80
112	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021 , 40, e108863	13	79
111	Optic atrophy 1 mediates mitochondria remodeling and dopaminergic neurodegeneration linked to complex I deficiency. <i>Cell Death and Differentiation</i> , 2013 , 20, 77-85	12.7	73
110	Opening the doors to cytochrome c: changes in mitochondrial shape and apoptosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1875-83	5.6	71
109	Keeping mitochondria in shape: a matter of life and death. <i>European Journal of Clinical Investigation</i> , 2013 , 43, 886-93	4.6	67
108	The cristae modulator Optic atrophy 1 requires mitochondrial ATP synthase oligomers to safeguard mitochondrial function. <i>Nature Communications</i> , 2018 , 9, 3399	17.4	66
107	Neutrophil extracellular trap formation requires OPA1-dependent glycolytic ATP production. <i>Nature Communications</i> , 2018 , 9, 2958	17.4	65
106	Optic atrophy 1-dependent mitochondrial remodeling controls steroidogenesis in trophoblasts. <i>Current Biology</i> , 2012 , 22, 1228-34	6.3	64
105	Synaptic dysfunction, memory deficits and hippocampal atrophy due to ablation of mitochondrial fission in adult forebrain neurons. <i>Cell Death and Differentiation</i> , 2016 , 23, 18-28	12.7	63
104	Two close, too close: sarcoplasmic reticulum-mitochondrial crosstalk and cardiomyocyte fate. <i>Circulation Research</i> , 2010 , 107, 689-99	15.7	61
103	Loss of prohibitin induces mitochondrial damages altering cell function and survival and is responsible for gradual diabetes development. <i>Diabetes</i> , 2013 , 62, 3488-99	0.9	60
102	Mitochondrial elongation during autophagy: a stereotypical response to survive in difficult times. <i>Autophagy</i> , 2011 , 7, 1251-3	10.2	60

101	Endosome-mitochondria juxtaposition during apoptosis induced by H. pylori VacA. <i>Cell Death and Differentiation</i> , 2010 , 17, 1707-16	12.7	59
100	Silencing of the Charcot-Marie-Tooth disease-associated gene GDAP1 induces abnormal mitochondrial distribution and affects Ca ²⁺ homeostasis by reducing store-operated Ca ²⁺ entry. <i>Neurobiology of Disease</i> , 2013 , 55, 140-51	7.5	58
99	Early effects of the antineoplastic agent salinomycin on mitochondrial function. <i>Cell Death and Disease</i> , 2015 , 6, e1930	9.8	54
98	Mitochondria Restrict Growth of the Intracellular Parasite <i>Toxoplasma gondii</i> by Limiting Its Uptake of Fatty Acids. <i>Cell Metabolism</i> , 2018 , 27, 886-897.e4	24.6	53
97	Early resistance to cell death and to onset of the mitochondrial permeability transition during hepatocarcinogenesis with 2-acetylaminofluorene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10014-9	11.5	53
96	Akt protects the heart against ischaemia-reperfusion injury by modulating mitochondrial morphology. <i>Thrombosis and Haemostasis</i> , 2015 , 113, 513-21	7	52
95	Perspectives on: SGP symposium on mitochondrial physiology and medicine: the pathophysiology of LETM1. <i>Journal of General Physiology</i> , 2012 , 139, 445-54	3.4	52
94	Defective Mitochondrial tRNA Taurine Modification Activates Global Proteostress and Leads to Mitochondrial Disease. <i>Cell Reports</i> , 2018 , 22, 482-496	10.6	51
93	Neuronal Mitochondrial Dysfunction Activates the Integrated Stress Response to Induce Fibroblast Growth Factor 21. <i>Cell Reports</i> , 2018 , 24, 1407-1414	10.6	51
92	Two modes of activation of the permeability transition pore: The role of mitochondrial cyclophilin. <i>Molecular and Cellular Biochemistry</i> , 1997 , 174, 181-184	4.2	49
91	Mitochondrial dynamics in cancer and neurodegenerative and neuroinflammatory diseases. <i>International Journal of Cell Biology</i> , 2012 , 2012, 729290	2.6	48
90	The interplay between BCL-2 family proteins and mitochondrial morphology in the regulation of apoptosis. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 687, 97-114	3.6	48
89	Mutational signatures reveal the role of RAD52 in p53-independent p21-driven genomic instability. <i>Genome Biology</i> , 2018 , 19, 37	18.3	47
88	Cofilin1-dependent actin dynamics control DRP1-mediated mitochondrial fission. <i>Cell Death and Disease</i> , 2017 , 8, e3063	9.8	47
87	Mice deficient in the respiratory chain gene Cox6a2 are protected against high-fat diet-induced obesity and insulin resistance. <i>PLoS ONE</i> , 2013 , 8, e56719	3.7	47
86	Less than perfect divorces: dysregulated mitochondrial fission and neurodegeneration. <i>Acta Neuropathologica</i> , 2012 , 123, 189-203	14.3	45
85	Essential amino acids and glutamine regulate induction of mitochondrial elongation during autophagy. <i>Cell Cycle</i> , 2011 , 10, 2635-9	4.7	45
84	Mitochondria are direct targets of the lipoxygenase inhibitor MK886. A strategy for cell killing by combined treatment with MK886 and cyclooxygenase inhibitors. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31789-95	5.4	45

83	Single cell analysis reveals the involvement of the long non-coding RNA Pvt1 in the modulation of muscle atrophy and mitochondrial network. <i>Nucleic Acids Research</i> , 2019 , 47, 1653-1670	20.1	45
82	Reduction of endoplasmic reticulum stress attenuates the defects caused by Drosophila mitofusin depletion. <i>Journal of Cell Biology</i> , 2014 , 204, 303-12	7.3	44
81	Traveling Bax and forth from mitochondria to control apoptosis. <i>Cell</i> , 2011 , 145, 15-7	56.2	44
80	Respiratory dysfunction by AFG3L2 deficiency causes decreased mitochondrial calcium uptake via organellar network fragmentation. <i>Human Molecular Genetics</i> , 2012 , 21, 3858-70	5.6	44
79	DRP1-dependent apoptotic mitochondrial fission occurs independently of BAX, BAK and APAF1 to amplify cell death by BID and oxidative stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, 1267-1276	4.6	43
78	Sirtuin 5 protects mitochondria from fragmentation and degradation during starvation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 169-176	4.9	43
77	Inhibition of the Fission Machinery Mitigates OPA1 Impairment in Adult Skeletal Muscles. <i>Cells</i> , 2019 , 8,	7.9	41
76	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. <i>Cell Reports</i> , 2019 , 28, 1949-1960.e6	10.6	38
75	MITOSTATIN, a putative tumor suppressor on chromosome 12q24.1, is downregulated in human bladder and breast cancer. <i>Oncogene</i> , 2009 , 28, 257-69	9.2	38
74	Resistance of Dynamin-related Protein 1 Oligomers to Disassembly Impairs Mitophagy, Resulting in Myocardial Inflammation and Heart Failure. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25907-19	5.4	37
73	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , 2017 , 7, 5040	4.9	36
72	Transcriptomic Analysis of Single Isolated Myofibers Identifies miR-27a-3p and miR-142-3p as Regulators of Metabolism in Skeletal Muscle. <i>Cell Reports</i> , 2019 , 26, 3784-3797.e8	10.6	35
71	Apaf1 plays a pro-survival role by regulating centrosome morphology and function. <i>Journal of Cell Science</i> , 2011 , 124, 3450-63	5.3	34
70	Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , 2020 , 31, 987-1003.e8	24.6	33
69	Proteins that fuse and fragment mitochondria in apoptosis: con-fissing a deadly con-fusion?. <i>Journal of Bioenergetics and Biomembranes</i> , 2005 , 37, 165-70	3.7	33
68	Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. <i>Aging Cell</i> , 2019 , 18, e12845	9.9	29
67	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , 2020 , 11, 4029	17.4	28
66	Perspectives on the mitochondrial permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1365, 200-206	4.6	27

65	The endogenous caspase-8 inhibitor c-FLIPL regulates ER morphology and crosstalk with mitochondria. <i>Cell Death and Differentiation</i> , 2015 , 22, 1131-43	12.7	26
64	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021 , 35, 108985	10.6	25
63	Targeting cell death. <i>Clinical Pharmacology and Therapeutics</i> , 2007 , 82, 370-3	6.1	23
62	The antiapoptotic OPA1/Parl couple participates in mitochondrial adaptation to heat shock. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1886-93	4.6	22
61	Multiple functions of mitochondria-shaping proteins. <i>Novartis Foundation Symposium</i> , 2007 , 287, 47-55; discussion 55-9		22
60	Changing perspective on oncometabolites: from metabolic signature of cancer to tumorigenic and immunosuppressive agents. <i>Oncotarget</i> , 2016 , 7, 46692-46706	3.3	21
59	Mitochondria-rough-ER contacts in the liver regulate systemic lipid homeostasis. <i>Cell Reports</i> , 2021 , 34, 108873	10.6	21
58	Measuring mitochondrial shape changes and their consequences on mitochondrial involvement during apoptosis. <i>Methods in Molecular Biology</i> , 2007 , 372, 405-20	1.4	20
57	Reply to Filadi et al.: Does Mitofusin 2 tether or separate endoplasmic reticulum and mitochondria?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2268-E2269	11.5	19
56	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. <i>Autophagy</i> , 2019 , 15, 1757-1773	10.2	19
55	D. melanogaster, mitochondria and neurodegeneration: small model organism, big discoveries. <i>Molecular and Cellular Neurosciences</i> , 2013 , 55, 77-86	4.8	19
54	Caspase-8 goes cardiolipin: a new platform to provide mitochondria with microdomains of apoptotic signals?. <i>Journal of Cell Biology</i> , 2008 , 183, 579-81	7.3	18
53	Macroautophagy inhibition maintains fragmented mitochondria to foster T cell receptor-dependent apoptosis. <i>EMBO Journal</i> , 2016 , 35, 1793-809	13	18
52	Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction. <i>Life Science Alliance</i> , 2019 , 2,	5.8	16
51	Prohibitin(g) cancer: aurilide and killing by Opa1-dependent cristae remodeling. <i>Chemistry and Biology</i> , 2011 , 18, 8-9		14
50	Poly(adenosine diphosphate-ribose) polymerase as therapeutic target: lessons learned from its inhibitors. <i>Oncotarget</i> , 2017 , 8, 50221-50239	3.3	14
49	A cross-sectional and prospective cohort study of the role of schools in the SARS-CoV-2 second wave in Italy. <i>Lancet Regional Health - Europe, The</i> , 2021 , 5, 100092		14
48	Milder degenerative effects of Carfilzomib vs. Bortezomib in the Drosophila model: a link to clinical adverse events. <i>Scientific Reports</i> , 2017 , 7, 17802	4.9	13

47	Close encounter: mitochondria, endoplasmic reticulum and Alzheimer's disease. <i>EMBO Journal</i> , 2012 , 31, 4095-7	13	12
46	Functional wiring of proteostatic and mitostatic modules ensures transient organismal survival during imbalanced mitochondrial dynamics. <i>Redox Biology</i> , 2019 , 24, 101219	11.3	11
45	When separation means death: killing through the mitochondria, but starting from the endoplasmic reticulum. <i>EMBO Journal</i> , 2009 , 28, 1681-3	13	11
44	PARP Inhibitor PJ34 Protects Mitochondria and Induces DNA-Damage Mediated Apoptosis in Combination With Cisplatin or Temozolomide in B16F10 Melanoma Cells. <i>Frontiers in Physiology</i> , 2019 , 10, 538	4.6	10
43	No evidence of association between schools and SARS-CoV-2 second wave in Italy		10
42	Interactions of chloromethyltetramethylrosamine (Mitotracker Orange) with isolated mitochondria and intact cells. <i>Annals of the New York Academy of Sciences</i> , 1999 , 893, 391-5	6.5	8
41	The INs and OUTs of mitofusins. <i>Journal of Cell Biology</i> , 2018 , 217, 439-440	7.3	7
40	Rapidly purified ganglion cells from neonatal mouse retinas allow studies of mitochondrial morphology and autophagy. <i>Pharmacological Research</i> , 2018 , 138, 16-24	10.2	7
39	A BID on mitochondria with MTCH2. <i>Cell Research</i> , 2010 , 20, 863-5	24.7	7
38	Deletion of the mitochondria-shaping protein Opa1 during early thymocyte maturation impacts mature memory T cell metabolism. <i>Cell Death and Differentiation</i> , 2021 , 28, 2194-2206	12.7	7
37	Opa1 relies on cristae preservation and ATP synthase to curtail reactive oxygen species accumulation in mitochondria. <i>Redox Biology</i> , 2021 , 41, 101944	11.3	6
36	The SUMO arena goes mitochondrial with MAPL. <i>EMBO Reports</i> , 2009 , 10, 694-6	6.5	5
35	Proenkephalin Derived Peptides Are Involved in the Modulation of Mitochondrial Respiratory Control During Epileptogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 351	6.1	5
34	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	5
33	To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. <i>Cell Death and Differentiation</i> , 2006 , 13, 1833-4	12.7	4
32	Opa1 Overexpression Protects from Early-Onset Mpv17-Related Mouse Kidney Disease. <i>Molecular Therapy</i> , 2020 , 28, 1918-1930	11.7	4
31	Cisplatin resistance can be curtailed by blunting Bnip3-mediated mitochondrial autophagy.. <i>Cell Death and Disease</i> , 2022 , 13, 398	9.8	4
30	Flaming Mitochondria: The Anti-inflammatory Drug Leflunomide Boosts Mitofusins. <i>Cell Chemical Biology</i> , 2018 , 25, 231-233	8.2	3

29	Tonight, the same old, deadly programme: BH3-only proteins, mitochondria and yeast. <i>EMBO Journal</i> , 2011 , 30, 2754-6	13	3
28	P73 C-terminus is dispensable for multiciliogenesis. <i>Cell Cycle</i> , 2020 , 19, 1833-1845	4.7	2
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