

# Luca Scorrano

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6470670/luca-scorrano-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Inhibition of the mitochondrial protein Opa1 curtails breast cancer growth.. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2022</b> , 41, 95	12.8	2
189	Cisplatin resistance can be curtailed by blunting Bnip3-mediated mitochondrial autophagy.. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 398	9.8	4
188	Mitochondrial dynamics: roles in exercise physiology and muscle mass regulation. <i>Current Opinion in Physiology</i> , <b>2022</b> , 27, 100550	2.6	0
187	Mitochondria-rough-ER contacts in the liver regulate systemic lipid homeostasis. <i>Cell Reports</i> , <b>2021</b> , 34, 108873	10.6	21
186	Deletion of the mitochondria-shaping protein Opa1 during early thymocyte maturation impacts mature memory T cell metabolism. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 2194-2206	12.7	7
185	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , <b>2021</b> , 35, 108985	10.6	25
184	Opa1 relies on cristae preservation and ATP synthase to curtail reactive oxygen species accumulation in mitochondria. <i>Redox Biology</i> , <b>2021</b> , 41, 101944	11.3	6
183	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> , <b>2021</b> , 5, 100092		14
182	Autophagy in major human diseases. <i>EMBO Journal</i> , <b>2021</b> , 40, e108863	13	79
181	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , <b>2021</b> ,	12.7	5
180	Revisiting the evidence for physical distancing, face masks, and eye protection. <i>Lancet, The</i> , <b>2021</b> , 398, 660-661	40	
179	Beware of regional heterogeneity when assessing the role of schools in the SARS-CoV-2 second wave in Italy-Authors' reply. <i>Lancet Regional Health - Europe, The</i> , <b>2021</b> , 8, 100190		1
178	Concepts   Mitochondrial Dynamics <b>2021</b> , 102-106		
177	Mitochondria Dynamics: Definition, Players and Associated Disorders <b>2021</b> , 119-142		
176	Transgene expression in mice of the Opa1 mitochondrial transmembrane protein through bicontinuous cubic lipoplexes containing gemini imidazolium surfactants.. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 425	9.4	0
175	P73 C-terminus is dispensable for multiciliogenesis. <i>Cell Cycle</i> , <b>2020</b> , 19, 1833-1845	4.7	2
174	The cell biology of mitochondrial membrane dynamics. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 204-224	48.7	267

173	Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , <b>2020</b> , 31, 987-1003.e8	24.6	33
172	Opa1 Overexpression Protects from Early-Onset Mpv17-Related Mouse Kidney Disease. <i>Molecular Therapy</i> , <b>2020</b> , 28, 1918-1930	11.7	4
171	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , <b>2020</b> , 11, 4029	17.4	28
170	Inhibition of the Fission Machinery Mitigates OPA1 Impairment in Adult Skeletal Muscles. <i>Cells</i> , <b>2019</b> , 8,	7.9	41
169	Too close not to encyst: Polycystic kidney disease and interorganellar contact sites. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	1
168	DRP1-mediated mitochondrial shape controls calcium homeostasis and muscle mass. <i>Nature Communications</i> , <b>2019</b> , 10, 2576	17.4	158
167	Functional wiring of proteostatic and mitostatic modules ensures transient organismal survival during imbalanced mitochondrial dynamics. <i>Redox Biology</i> , <b>2019</b> , 24, 101219	11.3	11
166	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> , <b>2019</b> , 10, 538	4.6	10
165	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. <i>Autophagy</i> , <b>2019</b> , 15, 1757-1773	10.2	19
164	Coming together to define membrane contact sites. <i>Nature Communications</i> , <b>2019</b> , 10, 1287	17.4	229
163	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> , <b>2019</b> , 26, 3784-3797.e8	10.6	35
162	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. <i>Cell Reports</i> , <b>2019</b> , 28, 1949-1960.e6	10.6	38
161	Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction. <i>Life Science Alliance</i> , <b>2019</b> , 2,	5.8	16
160	Finding a new balance to cure Charcot-Marie-Tooth 2A. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1533-1535	15.35	0
159	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> , <b>2019</b> , 47, 1653-1670	20.1	45
158	Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. <i>Aging Cell</i> , <b>2019</b> , 18, e12845	9.9	29
157	Mitochondria Restrict Growth of the Intracellular Parasite <i>Toxoplasma gondii</i> by Limiting Its Uptake of Fatty Acids. <i>Cell Metabolism</i> , <b>2018</b> , 27, 886-897.e4	24.6	53
156	The INs and OUTs of mitofusins. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 439-440	7.3	7

155	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
154	Defective Mitochondrial tRNA Taurine Modification Activates Global Proteostress and Leads to Mitochondrial Disease. <i>Cell Reports</i> , <b>2018</b> , 22, 482-496	10.6	51
153	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 1131-1145	12.7	108
152	Mutational signatures reveal the role of RAD52 in p53-independent p21-driven genomic instability. <i>Genome Biology</i> , <b>2018</b> , 19, 37	18.3	47
151	Flaming Mitochondria: The Anti-inflammatory Drug Leflunomide Boosts Mitofusins. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 231-233	8.2	3
150	Neuronal Mitochondrial Dysfunction Activates the Integrated Stress Response to Induce Fibroblast Growth Factor 21. <i>Cell Reports</i> , <b>2018</b> , 24, 1407-1414	10.6	51
149	Rapidly purified ganglion cells from neonatal mouse retinas allow studies of mitochondrial morphology and autophagy. <i>Pharmacological Research</i> , <b>2018</b> , 138, 16-24	10.2	7
148	Neutrophil extracellular trap formation requires OPA1-dependent glycolytic ATP production. <i>Nature Communications</i> , <b>2018</b> , 9, 2958	17.4	65
147	The cristae modulator Optic atrophy 1 requires mitochondrial ATP synthase oligomers to safeguard mitochondrial function. <i>Nature Communications</i> , <b>2018</b> , 9, 3399	17.4	66
146	Proenkephalin Derived Peptides Are Involved in the Modulation of Mitochondrial Respiratory Control During Epileptogenesis. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 351	6.1	5
145	Shipping Calpastatin to the Rescue: Prevention of Neuromuscular Degeneration through Mitofusin 2. <i>Cell Metabolism</i> , <b>2018</b> , 28, 536-538	24.6	1
144	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , <b>2017</b> , 36, 1811-1836	13	857
143	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. <i>Cell Metabolism</i> , <b>2017</b> , 25, 1374-1389.e6	24.6	245
142	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> , <b>2017</b> , 114, E2268-E2269 <sup>11.5</sup>	11.5	19
141	Judging a tumor cell by its cover: a matter of mitochondrial contact sites. <i>EMBO Journal</i> , <b>2017</b> , 36, 1465-1467	14.6	1467
140	RevAMPing Mitochondrial Shape to Live Longer. <i>Cell Metabolism</i> , <b>2017</b> , 26, 805-806	24.6	
139	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 5040	4.9	36
138	Sirtuin 5 protects mitochondria from fragmentation and degradation during starvation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 169-176	4.9	43

137	Milder degenerative effects of Carfilzomib vs. Bortezomib in the Drosophila model: a link to clinical adverse events. <i>Scientific Reports</i> , <b>2017</b> , 7, 17802	4.9	13
136	Cofilin1-dependent actin dynamics control DRP1-mediated mitochondrial fission. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e3063	9.8	47
135	Poly(adenosine diphosphate-ribose) polymerase as therapeutic target: lessons learned from its inhibitors. <i>Oncotarget</i> , <b>2017</b> , 8, 50221-50239	3.3	14
134	Synaptic dysfunction, memory deficits and hippocampal atrophy due to ablation of mitochondrial fission in adult forebrain neurons. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 18-28	12.7	63
133	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , <b>2016</b> , 22, 1428-1438	50.5	532
132	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 27351	4.9	102
131	Cell biology: The organelle replication connection. <i>Nature</i> , <b>2016</b> , 538, 326-327	50.4	1
130	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> , <b>2016</b> , 1857, 1267-1276	4.6	43
129	Mitochondrial Cristae: Where Beauty Meets Functionality. <i>Trends in Biochemical Sciences</i> , <b>2016</b> , 41, 261-273	27.3	379
128	Mito-Morphosis: Mitochondrial Fusion, Fission, and Cristae Remodeling as Key Mediators of Cellular Function. <i>Annual Review of Physiology</i> , <b>2016</b> , 78, 505-31	23.1	371
127	Changing perspective on oncometabolites: from metabolic signature of cancer to tumorigenic and immunosuppressive agents. <i>Oncotarget</i> , <b>2016</b> , 7, 46692-46706	3.3	21
126	Optic Atrophy 1 Is Epistatic to the Core MICOS Component MIC60 in Mitochondrial Cristae Shape Control. <i>Cell Reports</i> , <b>2016</b> , 17, 3024-3034	10.6	85
125	Macroautophagy inhibition maintains fragmented mitochondria to foster T cell receptor-dependent apoptosis. <i>EMBO Journal</i> , <b>2016</b> , 35, 1793-809	13	18
124	Mitofusins, from Mitochondria to Metabolism. <i>Molecular Cell</i> , <b>2016</b> , 61, 683-694	17.6	315
123	Cristae remodeling by Opa1 determines F <sub>0</sub> F <sub>1</sub> -ATP synthase stability and mitochondrial bioenergetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, e25	4.6	
122	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> , <b>2016</b> , 113, 11249-11254	11.5	286
121	Mitochondrial fission and fusion factors reciprocally orchestrate mitophagic culling in mouse hearts and cultured fibroblasts. <i>Cell Metabolism</i> , <b>2015</b> , 21, 273-286	24.6	292
120	Opa1 overexpression ameliorates the phenotype of two mitochondrial disease mouse models. <i>Cell Metabolism</i> , <b>2015</b> , 21, 845-54	24.6	158

119	Extracellular regulated kinase phosphorylates mitofusin 1 to control mitochondrial morphology and apoptosis. <i>Molecular Cell</i> , <b>2015</b> , 58, 244-54	17.6	136
118	The endogenous caspase-8 inhibitor c-FLIPL regulates ER morphology and crosstalk with mitochondria. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 1131-43	12.7	26
117	Resistance of Dynamin-related Protein 1 Oligomers to Disassembly Impairs Mitophagy, Resulting in Myocardial Inflammation and Heart Failure. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 25907-19	5.4	37
116	Early effects of the antineoplastic agent salinomycin on mitochondrial function. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1930	9.8	54
115	Akt protects the heart against ischaemia-reperfusion injury by modulating mitochondrial morphology. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 513-21	7	52
114	The OPA1-dependent mitochondrial cristae remodeling pathway controls atrophic, apoptotic, and ischemic tissue damage. <i>Cell Metabolism</i> , <b>2015</b> , 21, 834-44	24.6	260
113	Mitochondrial dynamics protein Drp1 is overexpressed in oncocytic thyroid tumors and regulates cancer cell migration. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122308	3.7	126
112	O ROM(e)O1, ROM(e)O1, wherefore art thou ROM(e)O1?. <i>Science Signaling</i> , <b>2014</b> , 7, pe2	8.8	2
111	Reduction of endoplasmic reticulum stress attenuates the defects caused by Drosophila mitofusin depletion. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 303-12	7.3	44
110	Mitochondria: from cell death executioners to regulators of cell differentiation. <i>Trends in Cell Biology</i> , <b>2014</b> , 24, 761-70	18.3	284
109	At the right distance: ER-mitochondria juxtaposition in cell life and death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2014</b> , 1843, 2184-94	4.9	117
108	2SAA-02 Mitochondrial fusion controls differentiation of ESCs into cardiac cells via a novel pathway of calcineurin and Notch signaling(2SAA Mitochondrial neo-biology explored from a membrane dynamics,Symposium,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Cellular Biophysics</i> , <b>2014</b> , 54, 813-7	0	
107	Keeping mitochondria in shape: a matter of life and death. <i>European Journal of Clinical Investigation</i> , <b>2013</b> , 43, 886-93	4.6	67
106	OPA1 promotes pH flashes that spread between contiguous mitochondria without matrix protein exchange. <i>EMBO Journal</i> , <b>2013</b> , 32, 1927-40	13	81
105	Silencing of the Charcot-Marie-Tooth disease-associated gene GDAP1 induces abnormal mitochondrial distribution and affects Ca <sup>2+</sup> homeostasis by reducing store-operated Ca <sup>2+</sup> entry. <i>Neurobiology of Disease</i> , <b>2013</b> , 55, 140-51	7.5	58
104	Mitochondrial fusion directs cardiomyocyte differentiation via calcineurin and Notch signaling. <i>Science</i> , <b>2013</b> , 342, 734-7	33.3	232
103	Loss of prohibitin induces mitochondrial damages altering cell function and survival and is responsible for gradual diabetes development. <i>Diabetes</i> , <b>2013</b> , 62, 3488-99	0.9	60
102	Mitochondrial cristae shape determines respiratory chain supercomplexes assembly and respiratory efficiency. <i>Cell</i> , <b>2013</b> , 155, 160-71	56.2	699

101	D. melanogaster, mitochondria and neurodegeneration: small model organism, big discoveries. <i>Molecular and Cellular Neurosciences</i> , <b>2013</b> , 55, 77-86	4.8	19
100	Mitochondrial morphology in mitophagy and macroautophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 205-12	4.9	180
99	Optic atrophy 1 mediates mitochondria remodeling and dopaminergic neurodegeneration linked to complex I deficiency. <i>Cell Death and Differentiation</i> , <b>2013</b> , 20, 77-85	12.7	73
98	Mice deficient in the respiratory chain gene Cox6a2 are protected against high-fat diet-induced obesity and insulin resistance. <i>PLoS ONE</i> , <b>2013</b> , 8, e56719	3.7	47
97	Respiration   Mitochondrial Dynamics <b>2013</b> , 472-476		
96	Less than perfect divorces: dysregulated mitochondrial fission and neurodegeneration. <i>Acta Neuropathologica</i> , <b>2012</b> , 123, 189-203	14.3	45
95	Shaping the role of mitochondria in the pathogenesis of Huntington's disease. <i>EMBO Journal</i> , <b>2012</b> , 31, 1853-64	13	110
94	The antiapoptotic OPA1/Parl couple participates in mitochondrial adaptation to heat shock. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 1886-93	4.6	22
93	In epilepsy, BAD is not really bad. <i>Neuron</i> , <b>2012</b> , 74, 600-2	13.9	0
92	Optic atrophy 1-dependent mitochondrial remodeling controls steroidogenesis in trophoblasts. <i>Current Biology</i> , <b>2012</b> , 22, 1228-34	6.3	64
91	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	14.2	2783
90	Mitochondrial Morphology and Function <b>2012</b> , 217-229		
89	Close encounter: mitochondria, endoplasmic reticulum and Alzheimer's disease. <i>EMBO Journal</i> , <b>2012</b> , 31, 4095-7	13	12
88	Mitochondrial dynamics in cancer and neurodegenerative and neuroinflammatory diseases. <i>International Journal of Cell Biology</i> , <b>2012</b> , 2012, 729290	2.6	48
87	Respiratory dysfunction by AFG3L2 deficiency causes decreased mitochondrial calcium uptake via organellar network fragmentation. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 3858-70	5.6	44
86	Perspectives on: SGP symposium on mitochondrial physiology and medicine: the pathophysiology of LETM1. <i>Journal of General Physiology</i> , <b>2012</b> , 139, 445-54	3.4	52
85	Traveling Bax and forth from mitochondria to control apoptosis. <i>Cell</i> , <b>2011</b> , 145, 15-7	56.2	44
84	During autophagy mitochondria elongate, are spared from degradation and sustain cell viability. <i>Nature Cell Biology</i> , <b>2011</b> , 13, 589-98	23.4	1160

83	Phagocytosis: coupling of mitochondrial uncoupling and engulfment. <i>Current Biology</i> , <b>2011</b> , 21, R852-4	6.3	2
82	Tonight, the same old, deadly programme: BH3-only proteins, mitochondria and yeast. <i>EMBO Journal</i> , <b>2011</b> , 30, 2754-6	13	3
81	Prohibitin(g) cancer: aurilide and killing by Opa1-dependent cristae remodeling. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 8-9		14
80	Mitofusin 2 regulates STIM1 migration from the Ca <sup>2+</sup> store to the plasma membrane in cells with depolarized mitochondria. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 12189-201	5.4	83
79	Mitochondrial elongation during autophagy: a stereotypical response to survive in difficult times. <i>Autophagy</i> , <b>2011</b> , 7, 1251-3	10.2	60
78	Essential amino acids and glutamine regulate induction of mitochondrial elongation during autophagy. <i>Cell Cycle</i> , <b>2011</b> , 10, 2635-9	4.7	45
77	Apaf1 plays a pro-survival role by regulating centrosome morphology and function. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 3450-63	5.3	34
76	Mitofusin 2 Regulates STIM1 Migration from the Ca <sup>2+</sup> Store to the Plasma Membrane in Cells with Depolarized Mitochondria. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 12189-12201	5.4	1
75	Mitochondrial fission and remodelling contributes to muscle atrophy. <i>EMBO Journal</i> , <b>2010</b> , 29, 1774-85	13	415
74	Mitochondrial shape changes: orchestrating cell pathophysiology. <i>EMBO Reports</i> , <b>2010</b> , 11, 678-84	6.5	225
73	Trichoplein/mitostatin regulates endoplasmic reticulum-mitochondria juxtaposition. <i>EMBO Reports</i> , <b>2010</b> , 11, 854-60	6.5	100
72	Endosome-mitochondria juxtaposition during apoptosis induced by <i>H. pylori</i> VacA. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 1707-16	12.7	59
71	Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 1684-96	12.7	91
70	Inhibition of Drp1-dependent mitochondrial fragmentation and apoptosis by a polypeptide antagonist of calcineurin. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 1785-94	12.7	86
69	Two close, too close: sarcoplasmic reticulum-mitochondrial crosstalk and cardiomyocyte fate. <i>Circulation Research</i> , <b>2010</b> , 107, 689-99	15.7	61
68	A BID on mitochondria with MTCH2. <i>Cell Research</i> , <b>2010</b> , 20, 863-5	24.7	7
67	An intimate liaison: spatial organization of the endoplasmic reticulum-mitochondria relationship. <i>EMBO Journal</i> , <b>2010</b> , 29, 2715-23	13	240
66	Cristae Remodeling and Mitochondrial Fragmentation: A Checkpoint for Cytochrome c Release and Apoptosis? <b>2010</b> , 253-270		1



65	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington's disease to apoptotic stimuli. <i>EMBO Molecular Medicine</i> , <b>2010</b> , 2, 490-503	12	201
64	The interplay between BCL-2 family proteins and mitochondrial morphology in the regulation of apoptosis. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 687, 97-114	3.6	48
63	Parkinson's disease mutations in PINK1 result in decreased Complex I activity and deficient synaptic function. <i>EMBO Molecular Medicine</i> , <b>2009</b> , 1, 99-111	12	298
62	When separation means death: killing through the mitochondria, but starting from the endoplasmic reticulum. <i>EMBO Journal</i> , <b>2009</b> , 28, 1681-3	13	11
61	The SUMO arena goes mitochondrial with MAPL. <i>EMBO Reports</i> , <b>2009</b> , 10, 694-6	6.5	5
60	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 1093-107	12.7	533
59	MITOSTATIN, a putative tumor suppressor on chromosome 12q24.1, is downregulated in human bladder and breast cancer. <i>Oncogene</i> , <b>2009</b> , 28, 257-69	9.2	38
58	Opening the doors to cytochrome c: changes in mitochondrial shape and apoptosis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 1875-83	5.6	71
57	The changing shape of mitochondrial apoptosis. <i>Trends in Endocrinology and Metabolism</i> , <b>2009</b> , 20, 287-94.8	9.8	106
56	Mitofusin-2 regulates mitochondrial and endoplasmic reticulum morphology and tethering: the role of Ras. <i>Mitochondrion</i> , <b>2009</b> , 9, 222-6	4.9	110
55	The Mitochondrial Pathway: Focus on Shape Changes <b>2009</b> , 151-175		
54	Mitofusin 2 tethers endoplasmic reticulum to mitochondria. <i>Nature</i> , <b>2008</b> , 456, 605-10	50.4	1674
53	High levels of Fis1, a pro-fission mitochondrial protein, trigger autophagy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 860-6	4.6	186
52	Caspase-8 goes cardiolipin: a new platform to provide mitochondria with microdomains of apoptotic signals?. <i>Journal of Cell Biology</i> , <b>2008</b> , 183, 579-81	7.3	18
51	Mitofusin 2: a mitochondria-shaping protein with signaling roles beyond fusion. <i>Antioxidants and Redox Signaling</i> , <b>2008</b> , 10, 621-33	8.4	115
50	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> , <b>2008</b> , 17, 3291-302	5.6	80
49	Dephosphorylation by calcineurin regulates translocation of Drp1 to mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 15803-8	11.5	778
48	LETM1, deleted in Wolf-Hirschhorn syndrome is required for normal mitochondrial morphology and cellular viability. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 201-14	5.6	143

47	Multiple functions of mitochondria-shaping proteins. <i>Novartis Foundation Symposium</i> , <b>2007</b> , 287, 47-55; discussion 55-9		22
46	Organelle isolation: functional mitochondria from mouse liver, muscle and cultured fibroblasts. <i>Nature Protocols</i> , <b>2007</b> , 2, 287-95	18.8	835
45	A cut short to death: Parl and Opa1 in the regulation of mitochondrial morphology and apoptosis. <i>Cell Death and Differentiation</i> , <b>2007</b> , 14, 1275-84	12.7	104
44	Targeting cell death. <i>Clinical Pharmacology and Therapeutics</i> , <b>2007</b> , 82, 370-3	6.1	23
43	Measuring mitochondrial shape changes and their consequences on mitochondrial involvement during apoptosis. <i>Methods in Molecular Biology</i> , <b>2007</b> , 372, 405-20	1.4	20
42	(De)constructing mitochondria: what for?. <i>Physiology</i> , <b>2006</b> , 21, 233-41	9.8	111
41	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> , <b>2006</b> , 20, 756-8	0.9	195
40	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 4593-605	3.5	111
39	Orchestration of lymphocyte chemotaxis by mitochondrial dynamics. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 2879-86	16.6	237
38	The relationship between mitochondrial shape and function and the cytoskeleton. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 692-9	4.6	211
37	Mitochondrial rhomboid PARL regulates cytochrome c release during apoptosis via OPA1-dependent cristae remodeling. <i>Cell</i> , <b>2006</b> , 126, 163-75	56.2	575
36	OPA1 controls apoptotic cristae remodeling independently from mitochondrial fusion. <i>Cell</i> , <b>2006</b> , 126, 177-89	56.2	1155
35	To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 1833-4	12.7	4
34	The many shapes of mitochondrial death. <i>Oncogene</i> , <b>2006</b> , 25, 4717-24	9.2	111
33	Proteins that fuse and fragment mitochondria in apoptosis: con-fissing a deadly con-fusion?. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2005</b> , 37, 165-70	3.7	33
32	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> , <b>2005</b> , 102, 105-10	11.5	373
31	Arachidonic acid released by phospholipase A(2) activation triggers Ca(2+)-dependent apoptosis through the mitochondrial pathway. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 25219-25	5.4	132
30	Phosphorylation of BCL-2 regulates ER Ca <sup>2+</sup> homeostasis and apoptosis. <i>EMBO Journal</i> , <b>2004</b> , 23, 1207-16		241

29	OPA1 requires mitofusin 1 to promote mitochondrial fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15927-32	11.5	888
28	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> , <b>2003</b> , 100, 10014-9	11.5	53
27	Cell death induced by granzyme C. <i>Blood</i> , <b>2003</b> , 101, 3093-101	2.2	85
26	Regulation of endoplasmic reticulum Ca <sup>2+</sup> dynamics by proapoptotic BCL-2 family members. <i>Biochemical Pharmacology</i> , <b>2003</b> , 66, 1335-40	6	93
25	BAD and glucokinase reside in a mitochondrial complex that integrates glycolysis and apoptosis. <i>Nature</i> , <b>2003</b> , 424, 952-6	50.4	560
24	Mechanisms of cytochrome c release by proapoptotic BCL-2 family members. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 304, 437-44	3.4	592
23	BAX and BAK regulation of endoplasmic reticulum Ca <sup>2+</sup> : a control point for apoptosis. <i>Science</i> , <b>2003</b> , 300, 135-9	33.3	1204
22	Superoxide-mediated activation of uncoupling protein 2 causes pancreatic $\beta$ cell dysfunction. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1831-1842	15.9	271
21	A novel mitochondriotoxic small molecule that selectively inhibits tumor cell growth. <i>Cancer Cell</i> , <b>2002</b> , 2, 29-42	24.3	196
20	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> , <b>2002</b> , 277, 31789-95	5.4	45
19	A distinct pathway remodels mitochondrial cristae and mobilizes cytochrome c during apoptosis. <i>Developmental Cell</i> , <b>2002</b> , 2, 55-67	10.2	862
18	A reversible component of mitochondrial respiratory dysfunction in apoptosis can be rescued by exogenous cytochrome c. <i>EMBO Journal</i> , <b>2001</b> , 20, 661-71	13	122
17	Constitutive pre-TCR signaling promotes differentiation through Ca <sup>2+</sup> mobilization and activation of NF-kappaB and NFAT. <i>Nature Immunology</i> , <b>2001</b> , 2, 403-9	19.1	153
16	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> , <b>2001</b> , 98, 14985-90 <sup>11.5</sup>	11.5	97
15	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> , <b>2001</b> , 276, 12030-4	5.4	373
14	Arachidonic acid causes cell death through the mitochondrial permeability transition. Implications for tumor necrosis factor-alpha apoptotic signaling. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 12035-40 <sup>5.4</sup>	5.4	242
13	Arachidonic acid induces the mitochondrial permeability transition, cytochrome c release and apoptosis. <i>European Journal of Anaesthesiology</i> , <b>2000</b> , 17, 14-16	2.3	
12	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> , <b>1999</b> , 274, 24657-63	5.4	82

11	Commitment to apoptosis by GD3 ganglioside depends on opening of the mitochondrial permeability transition pore. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 22581-5	5.4	130
10	Mitochondria and cell death. Mechanistic aspects and methodological issues. <i>FEBS Journal</i> , <b>1999</b> , 264, 687-701		563
9	Interactions of chloromethyltetramethylrosamine (Mitotracker Orange) with isolated mitochondria and intact cells. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 893, 391-5	6.5	8
8	Chemical modification of the mitochondrial permeability transition pore by specific amino acid reagents. <i>Drug Development Research</i> , <b>1999</b> , 46, 14-17	5.1	1
7	The mitochondrial permeability transition. <i>BioFactors</i> , <b>1998</b> , 8, 273-81	6.1	158
6	Perspectives on the mitochondrial permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1998</b> , 1365, 200-206	4.6	27
5	On the voltage dependence of the mitochondrial permeability transition pore. A critical appraisal. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 12295-9	5.4	149
4	Two modes of activation of the permeability transition pore: The role of mitochondrial cyclophilin. <i>Molecular and Cellular Biochemistry</i> , <b>1997</b> , 174, 181-184	4.2	49
3	Mutational signatures reveal the role of RAD52 in p53-independent p21 driven genomic instability		1
2	Opa1 overexpression protects from early onset Mpv17 <sup>-/-</sup> -related mouse kidney disease		1
1	No evidence of association between schools and SARS-CoV-2 second wave in Italy		10