Francesco Cecconi

List of Publications by Year in Descending Order

193 papers	29,053 citations	60 h-index	170 g-index
207 ext. papers	33,537 ext. citations	10.4 avg, IF	6.58 L-index

#	Paper	IF	Citations
193	Redox activation of ATM enhances GSNOR translation to sustain mitophagy and tolerance to oxidative stress. *EMBO Reports*, **2021**, 22, e50500	6.5	11
192	A gene toolbox for monitoring autophagy transcription. *Cell Death and Disease*, **2021**, 12, 1044	9.8	2
191	The pro-autophagic protein AMBRA1 coordinates cell cycle progression by regulating CCND (cyclin D) stability. *Autophagy*, **2021**, 1-3	10.2	0
190	Clinical and molecular characterization of patients with adenylosuccinate lyase deficiency. *Orphanet Journal of Rare Diseases*, **2021**, 16, 112	4.2	2
189	CRL4 is a master regulator of D-type cyclins. *Nature*, **2021**, 592, 789-793	50.4	21
188	AMBRA1 regulates cyclin D to guard S-phase entry and genomic integrity. *Nature*, **2021**, 592, 799-803	50.4	24
187	Loss of Ambra1 promotes melanoma growth and invasion. *Nature Communications*, **2021**, 12, 2550	17.4	14
186	TFG binds LC3C to regulate ULK1 localization and autophagosome formation. *EMBO Journal*, **2021**, 40, e103563	13	7
185	A cross-sectional and prospective cohort study of the role of schools in the SARS-CoV-2 second wave in Italy. *Lancet Regional Health - Europe, The*, **2021**, 5, 100092		14
184	Targeting cancer stem cells in medulloblastoma by inhibiting AMBRA1 dual function in autophagy and STAT3 signalling. *Acta Neuropathologica*, **2021**, 142, 537-564	14.3	1
183	c-FLIP regulates autophagy by interacting with Beclin-1 and influencing its stability. *Cell Death and Disease*, **2021**, 12, 686	9.8	1
182	TFG: a novel regulator of ULK1-dependent autophagy. *Molecular and Cellular Oncology*, **2021**, 8, 1945895	1.2	
181	Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863	13	79
180	Revisiting the evidence for physical distancing, face masks, and eye protection. *Lancet, The*, **2021**, 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. *Lancet Regional Health - Europe, The*, **2021**, 8, 100190		1
178	Zebrafish and Silencing Affect Heart Development. *Zebrafish*, **2020**,	2	3
177	Very mild isolated intellectual disability caused by adenylosuccinate lyase deficiency: a new phenotype. *Molecular Genetics and Metabolism Reports*, **2020**, 23, 100592	1.8	3

176	Doryphagy: when selective autophagy safeguards centrosome integrity. *Molecular and Cellular Oncology*, **2020**, 7, 1719021	1.2	
175	Age related retinal Ganglion cell susceptibility in context of autophagy deficiency. *Cell Death Discovery*, **2020**, 6, 21	6.9	8
174	JNK1 and ERK1/2 modulate lymphocyte homeostasis via BIM and DRP1 upon AICD induction. *Cell Death and Differentiation*, **2020**, 27, 2749-2767	12.7	9
173	Altered Tregs Differentiation and Impaired Autophagy Correlate to Atherosclerotic Disease. *Frontiers in Immunology*, **2020**, 11, 350	8.4	5
172	Cloud hunting: doryphagy, a form of selective autophagy that degrades centriolar satellites. *Autophagy*, **2020**, 16, 379-381	10.2	5
171	Autophagy, replication stress and DNA synthesis, an intricate relationship. *Cell Death and Differentiation*, **2020**, 27, 829-830	12.7	4
170	HUWE1 controls MCL1 stability to unleash AMBRA1-induced mitophagy. *Cell Death and Differentiation*, **2020**, 27, 1155-1168	12.7	27
169	Do You Remember Mitochondria?. *Frontiers in Physiology*, **2020**, 11, 271	4.6	5
168	Emerging roles of HECT-type E3 ubiquitin ligases in autophagy regulation. *Molecular Oncology*, **2019**, 13, 2033-2048	7.9	7
167	Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. *Nature Communications*, **2019**, 10, 4176	17.4	32
166	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. *Autophagy*, **2019**, 15, 1829-1833	10.2	
165	nNOS/GSNOR interaction contributes to skeletal muscle differentiation and homeostasis. *Cell Death and Disease*, **2019**, 10, 354	9.8	8
164	Reversible induction of mitophagy by an optogenetic bimodular system. *Nature Communications*, **2019**, 10, 1533	17.4	15
163	Autophagy and cancer stem cells: molecular mechanisms and therapeutic applications. *Cell Death and Differentiation*, **2019**, 26, 690-702	12.7	155
162	The knockout zebrafish line: a model to study Vici syndrome. *Autophagy*, **2019**, 15, 1438-1454	10.2	11
161	Autophagy induction impairs Wnt/β-catenin signalling through β-catenin relocalisation in glioblastoma cells. *Cellular Signalling*, **2019**, 53, 357-364	4.9	22
160	Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. *Molecular Neurobiology*, **2018**, 55, 7921-7940	6.2	22
159	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160

158	-nitrosylation drives cell senescence and aging in mammals by controlling mitochondrial dynamics and mitophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E3388-E3397	11.5	88
157	AMBRA1-Mediated Mitophagy Counteracts Oxidative Stress and Apoptosis Induced by Neurotoxicity in Human Neuroblastoma SH-SY5Y Cells. *Frontiers in Cellular Neuroscience*, **2018**, 12, 92	6.1	45
156	The pro-oxidant adaptor p66SHC promotes B cell mitophagy by disrupting mitochondrial integrity and recruiting LC3-II. *Autophagy*, **2018**, 14, 2117-2138	10.2	23
155	The Cross Talk among Autophagy, Ubiquitination, and DNA Repair: An Overview **2018**,		2
154	Mitophagy in neurodegenerative diseases. *Neurochemistry International*, **2018**, 117, 156-166	4.4	56
153	AMBRA1 Controls Regulatory T-Cell Differentiation and Homeostasis Upstream of the FOXO3-FOXP3 Axis. *Developmental Cell*, **2018**, 47, 592-607.e6	10.2	18
152	Rapamycin and fasting sustain autophagy response activated by ischemia/reperfusion injury and promote retinal ganglion cell survival. *Cell Death and Disease*, **2018**, 9, 981	9.8	53
151	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKK*Nature Communications*, **2018**, 9, 3755	17.4	115
150	MIR7-3HG, a MYC-dependent modulator of cell proliferation, inhibits autophagy by a regulatory loop involving AMBRA1. *Autophagy*, **2017**, 13, 554-566	10.2	28
149	Autophagy up and down by outsmarting the incredible ULK. *Autophagy*, **2017**, 13, 967-968	10.2	29
148	Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836	13	857
147	Liposomes loaded with bioactive lipids enhance antibacterial innate immunity irrespective of drug resistance. *Scientific Reports*, **2017**, 7, 45120	4.9	18
146	Adaptive responses of heart and skeletal muscle to spermine oxidase overexpression: Evaluation of a new transgenic mouse model. *Free Radical Biology and Medicine*, **2017**, 103, 216-225	7.8	20
145	A mild form of adenylosuccinate lyase deficiency in absence of typical brain MRI features diagnosed by whole exome sequencing. *Italian Journal of Pediatrics*, **2017**, 43, 65	3.2	7
144	ULK1 ubiquitylation is regulated by phosphorylation on its carboxy terminus. *Cell Cycle*, **2017**, 16, 1744-1747	4.4	7
143	Sexual dimorphism of AMBRA1-related autistic features in human and mouse. *Translational Psychiatry*, **2017**, 7, e1247	8.6	21
142	Ambra1 spatially regulates Src activity and Src/FAK-mediated cancer cell invasion via trafficking networks. *ELife*, **2017**, 6,	8.9	24
141	AMBRA1-Mediated Regulation of C-MYC and Its Relevance to Cancer **2017**, 373-385		

140	Autophagy and the Cell Cycle: A Complex Landscape. *Frontiers in Oncology*, **2017**, 7, 51	5.3	97
139	Autophagy regulates satellite cell ability to regenerate normal and dystrophic muscles. *Cell Death and Differentiation*, **2016**, 23, 1839-1849	12.7	72
138	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
137	Astrocyte-Dependent Vulnerability to Excitotoxicity in Spermine Oxidase-Overexpressing Mouse. *NeuroMolecular Medicine*, **2016**, 18, 50-68	4.6	22
136	Autophagy in the CNS and Periphery Coordinate Lipophagy and Lipolysis in the Brown Adipose Tissue and Liver. *Cell Metabolism*, **2016**, 23, 113-27	24.6	165
135	Autophagy in stem and progenitor cells. *Cellular and Molecular Life Sciences*, **2016**, 73, 475-96	10.3	46
134	To eat, or NOt to eat: S-nitrosylation signaling in autophagy. *FEBS Journal*, **2016**, 283, 3857-3869	5.7	22
133	Fine-tuning of ULK1 mRNA and protein levels is required for autophagy oscillation. *Journal of Cell Biology*, **2016**, 215, 841-856	7.3	83
132	Macroautophagy inhibition maintains fragmented mitochondria to foster T cell receptor-dependent apoptosis. *EMBO Journal*, **2016**, 35, 1793-809	13	18
131	S-nitrosylation of the Mitochondrial Chaperone TRAP1 Sensitizes Hepatocellular Carcinoma Cells to Inhibitors of Succinate Dehydrogenase. *Cancer Research*, **2016**, 76, 4170-82	10.1	44
130	Fanconi Anemia Genes, of Menders and Sweepers. *Developmental Cell*, **2016**, 37, 299-300	10.2	
129	Prosurvival AMBRA1 turns into a proapoptotic BH3-like protein during mitochondrial apoptosis. *Autophagy*, **2016**, 12, 963-75	10.2	20
128	Autophagy in malignant transformation and cancer progression. *EMBO Journal*, **2015**, 34, 856-80	13	801
127	Novel inducers of BECN1-independent autophagy: cis-unsaturated fatty acids. *Autophagy*, **2015**, 11, 575-7	10.2	12
126	AMBRA1: When autophagy meets cell proliferation. *Autophagy*, **2015**, 11, 1705-7	10.2	13
125	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in C.´elegans. *Current Biology*, **2015**, 25, 1810-22	6.3	137
124	The multifaceted mitochondrion: An attractive candidate for therapeutic strategies. *Pharmacological Research*, **2015**, 99, 425-33	10.2	13
123	AMBRA1 and BECLIN 1 interplay in the crosstalk between autophagy and cell proliferation. *Cell Cycle*, **2015**, 14, 959-63	4.7	26

122	AMBRA1 is able to induce mitophagy via LC3 binding, regardless of PARKIN and p62/SQSTM1. *Cell Death and Differentiation*, **2015**, 22, 419-32	12.7	193
121	AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. *Nature Cell Biology*, **2015**, 17, 20-30	23.4	135
120	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. *Cell Death and Differentiation*, **2015**, 22, 58-73	12.7	643
119	Apaf1 in embryonic development - shaping life by death, and more. *International Journal of Developmental Biology*, **2015**, 59, 33-9	1.9	7
118	S-Nitrosoglutathione Reductase Plays Opposite Roles in SH-SY5Y Models of Parkinson's Disease and Amyotrophic Lateral Sclerosis. *Mediators of Inflammation*, **2015**, 2015, 536238	4.3	10
117	Prolonged Pseudohypoxia Targets Ambra1 mRNA to P-Bodies for Translational Repression. *PLoS ONE*, **2015**, 10, e0129750	3.7	4
116	Oxidative Stress during the Progression of β-Amyloid Pathology in the Neocortex of the Tg2576 Mouse Model of Alzheimer's Disease. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 967203	6.7	24
115	Ambra1 at a glance. *Journal of Cell Science*, **2015**, 128, 2003-8	5.3	52
114	Autophagy induction impairs migration and invasion by reversing EMT in glioblastoma cells. *Molecular Oncology*, **2015**, 9, 1612-25	7.9	187
113	Connecting autophagy: AMBRA1 and its network of regulation. *Molecular and Cellular Oncology*, **2015**, 2, e970059	1.2	11
112	AMBRA1-induced mitophagy: A new mechanism to cope with cancer?. *Molecular and Cellular Oncology*, **2015**, 2, e975647	1.2	7
111	Reactivation of autophagy by spermidine ameliorates the myopathic defects of collagen VI-null mice. *Autophagy*, **2015**, 11, 2142-52	10.2	51
110	Oxidative stress and autophagy: the clash between damage and metabolic needs. *Cell Death and Differentiation*, **2015**, 22, 377-88	12.7	1004
109	Unsaturated fatty acids induce non-canonical autophagy. *EMBO Journal*, **2015**, 34, 1025-41	13	126
108	Involvement of peroxisome proliferator-activated receptor γ (PPARγ) in BDNF signaling during aging and in Alzheimer disease: possible role of 4-hydroxynonenal (4-HNE). *Cell Cycle*, **2014**, 13, 1335-44	4.7	35
107	Mitochondrial dismissal in mammals, from protein degradation to mitophagy. *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 451-60	4.6	68
106	Schwann cell autophagy counteracts the onset and chronification of neuropathic pain. *Pain*, **2014**, 155, 93-107	8	61
105	Targeting ions-induced autophagy in cancer. *Cancer Cell*, **2014**, 26, 599-600	24.3	9

104	S-nitrosoglutathione reductase deficiency-induced S-nitrosylation results in neuromuscular dysfunction. *Antioxidants and Redox Signaling*, **2014**, 21, 570-87	8.4	36
103	Ho(a)xing autophagy to regulate development. *Developmental Cell*, **2014**, 28, 3-4	10.2	2
102	Expression of Ambra1 in mouse brain during physiological and Alzheimer type aging. *Neurobiology of Aging*, **2014**, 35, 96-108	5.6	28
101	Autophagy in Health and Disease **2014**, 72-78		1
100	Altered mitochondria morphology and cell metabolism in Apaf1-deficient cells. *PLoS ONE*, **2014**, 9, e84666	3.7	10
99	Zebrafish ambra1a and ambra1b knockdown impairs skeletal muscle development. *PLoS ONE*, **2014**, 9, e99210	3.7	24
98	The autophagy regulators Ambra1 and Beclin 1 are required for adult neurogenesis in the brain subventricular zone. *Cell Death and Disease*, **2014**, 5, e1403	9.8	88
97	AMBRA1 interplay with cullin E3 ubiquitin ligases regulates autophagy dynamics. *Developmental Cell*, **2014**, 31, 734-46	10.2	103
96	Age-dependent roles of peroxisomes in the hippocampus of a transgenic mouse model of Alzheimer's disease. *Molecular Neurodegeneration*, **2013**, 8, 8	19	45
95	A new transgenic mouse model for studying the neurotoxicity of spermine oxidase dosage in the response to excitotoxic injury. *Molecular Neurodegeneration*, **2013**, 8, P4	19	78
94	mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function through AMBRA1 and TRAF6. *Nature Cell Biology*, **2013**, 15, 406-16	23.4	522
93	New insights into the link between DNA damage and apoptosis. *Antioxidants and Redox Signaling*, **2013**, 19, 559-71	8.4	62
92	XIAP: inhibitor of two worlds. *EMBO Journal*, **2013**, 32, 2187-8	13	11
91	A New Transgenic Mouse Model for Studying the Neurotoxicity of Spermine Oxidase Dosage in the Response to Excitotoxic Injury. *PLoS ONE*, **2013**, 8, e64810	3.7	33
90	Developmental Autophagy **2013**, 103-116		
89	Non-apoptotic roles for death-related molecules: when mitochondria chose cell fate. *Experimental Cell Research*, **2012**, 318, 1309-15	4.2	8
88	Type 2 transglutaminase is involved in the autophagy-dependent clearance of ubiquitinated proteins. *Cell Death and Differentiation*, **2012**, 19, 1228-38	12.7	49
87	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783

86	Caspase-3 in the central nervous system: beyond apoptosis. *Trends in Neurosciences*, **2012**, 35, 700-9	13.3	167
85	Proteolysis of Ambra1 during apoptosis has a role in the inhibition of the autophagic pro-survival response. *Cell Death and Differentiation*, **2012**, 19, 1495-504	12.7	109
84	Aβ toxicity in Alzheimer's disease. *Molecular Neurobiology*, **2012**, 45, 366-78	6.2	110
83	Reduced cathepsins B and D cause impaired autophagic degradation that can be almost completely restored by overexpression of these two proteases in Sap C-deficient fibroblasts. *Human Molecular Genetics*, **2012**, 21, 5159-73	5.6	59
82	AUTOPHAGY AND ITS CROSS-TALK WITH CELL DEATH IN NEURAL DEVELOPMENT **2012**, 129-148		
81	Atg5 and Ambra1 differentially modulate neurogenesis in neural stem cells. *Autophagy*, **2012**, 8, 187-99	10.2	126
80	Stimulation of autophagy by rapamycin protects neurons from remote degeneration after acute focal brain damage. *Autophagy*, **2012**, 8, 222-35	10.2	77
79	Oxidative DNA damage in neurons: implication of ku in neuronal homeostasis and survival. *International Journal of Cell Biology*, **2012**, 2012, 752420	2.6	16
78	Caspase-3 triggers early synaptic dysfunction in a mouse model of Alzheimer's disease. *Nature Neuroscience*, **2011**, 14, 69-76	25.5	401
77	Mitochondrial BCL-2 inhibits AMBRA1-induced autophagy. *EMBO Journal*, **2011**, 30, 1195-208	13	171
76	The DNA repair complex Ku70/86 modulates Apaf1 expression upon DNA damage. *Cell Death and Differentiation*, **2011**, 18, 516-27	12.7	20
75	Apaf1 plays a pro-survival role by regulating centrosome morphology and function. *Journal of Cell Science*, **2011**, 124, 3450-63	5.3	34
74	Unleashing the Ambra1-Beclin 1 complex from dynein chains: Ulk1 sets Ambra1 free to induce autophagy. *Autophagy*, **2011**, 7, 115-7	10.2	42
73	Autophagy regulation by miRNAs: when cleaning goes out of service. *EMBO Journal*, **2011**, 30, 4517-9	13	10
72	c-Cbl targets active Src for autophagy. *Nature Cell Biology*, **2011**, 14, 48-9	23.4	11
71	The role of autophagy during development in higher eukaryotes. *Traffic*, **2010**, 11, 1280-9	5.7	78
70	Neuronal caspase-3 signaling: not only cell death. *Cell Death and Differentiation*, **2010**, 17, 1104-14	12.7	278
69	A brain-specific isoform of mitochondrial apoptosis-inducing factor: AIF2. *Cell Death and Differentiation*, **2010**, 17, 1155-66	12.7	23

68	The dynamic interaction of AMBRA1 with the dynein motor complex regulates mammalian autophagy. *Journal of Cell Biology*, **2010**, 191, 155-68	7.3	364
67	Foregut separation and tracheo-oesophageal malformations: the role of tracheal outgrowth, dorso-ventral patterning and programmed cell death. *Developmental Biology*, **2010**, 337, 351-62	3.1	42
66	Apoptosome Structure and Regulation **2010**, 27-39		2
65	Apoptosome Pharmacological Manipulation: From Current Developments in the Laboratory to Clinical Implications **2010**, 271-281		
64	Apoptosis is not required for mammalian neural tube closure. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8233-8	11.5	71
63	Inflammation triggers synaptic alteration and degeneration in experimental autoimmune encephalomyelitis. *Journal of Neuroscience*, **2009**, 29, 3442-52	6.6	280
62	Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells. *Journal of Clinical Investigation*, **2009**, 119, 1359-72	15.9	500
61	The Apoptosome: The Executioner of Mitochondria-mediated Apoptosis **2009**,		1
60	Early biochemical and morphological modifications in the brain of a transgenic mouse model of Alzheimer's disease: a role for peroxisomes. *Journal of Alzheimer's Disease*, **2009**, 18, 935-52	4.3	48
59	The involvement of cell death and survival in neural tube defects: a distinct role for apoptosis and autophagy?. *Cell Death and Differentiation*, **2008**, 15, 1170-7	12.7	46
58	Regulation of autophagy by cytoplasmic p53. *Nature Cell Biology*, **2008**, 10, 676-87	23.4	899
57	Analysis of neuronal cell death in mammals. *Methods in Enzymology*, **2008**, 446, 259-76	1.7	3
56	The role of autophagy in mammalian development: cell makeover rather than cell death. *Developmental Cell*, **2008**, 15, 344-357	10.2	423
55	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75	10.2	1920
54	Apoptosome-deficient cells lose cytochrome c through proteasomal degradation but survive by autophagy-dependent glycolysis. *Molecular Biology of the Cell*, **2008**, 19, 3576-88	3.5	42
53	A dual role of p53 in the control of autophagy. *Autophagy*, **2008**, 4, 810-4	10.2	256
52	The apoptosome: emerging insights and new potential targets for drug design. *Pharmaceutical Research*, **2008**, 25, 740-51	4.5	45
51	Faf1 is expressed during neurodevelopment and is involved in Apaf1-dependent caspase-3 activation in proneural cells. *Cellular and Molecular Life Sciences*, **2008**, 65, 1780-90	10.3	10

50	Intracellular bacteriolysis triggers a massive apoptotic cell death in Shigella-infected epithelial cells. *Microbes and Infection*, **2008**, 10, 1114-23	9.3	8
49	Ambra1 regulates autophagy and development of the nervous system. *Nature*, **2007**, 447, 1121-5	50.4	772
48	Analysis of apoptosome dysregulation in pancreatic cancer and of its role in chemoresistance. *Cancer Biology and Therapy*, **2007**, 6, 209-17	4.6	9
47	A novel role for autophagy in neurodevelopment. *Autophagy*, **2007**, 3, 506-8	10.2	48
46	Conditional activation of Pax6 in the developing cortex of transgenic mice causes progenitor apoptosis. *Development (Cambridge)*, **2007**, 134, 1311-22	6.6	43
45	Autophagic and apoptotic response to stress signals in mammalian cells. *Archives of Biochemistry and Biophysics*, **2007**, 462, 210-9	4.1	151
44	Nonapoptotic role for Apaf-1 in the DNA damage checkpoint. *Molecular Cell*, **2007**, 28, 624-37	17.6	101
43	Apaf1 mediates apoptosis and mitochondrial damage induced by mutant human SOD1s typical of familial amyotrophic lateral sclerosis. *Neurobiology of Disease*, **2006**, 21, 69-79	7.5	22
42	Endoplasmic reticulum stress induces apoptosis by an apoptosome-dependent but caspase 12-independent mechanism. *Journal of Biological Chemistry*, **2006**, 281, 2693-700	5.4	95
41	Apoptosome impairment during development results in activation of an autophagy program in cerebral cortex. *Apoptosis: an International Journal on Programmed Cell Death*, **2006**, 11, 1595-602	5.4	13
40	Expanding roles of programmed cell death in mammalian neurodevelopment. *Seminars in Cell and Developmental Biology*, **2005**, 16, 281-94	7.5	50
39	Localization of Apaf1 gene expression in the early development of the mouse by means of in situ reverse transcriptase-polymerase chain reaction. *Developmental Dynamics*, **2005**, 234, 215-21	2.9	6
38	Apaf1-dependent programmed cell death is required for inner ear morphogenesis and growth. *Development (Cambridge)*, **2004**, 131, 2125-35	6.6	35
37	Apoptosome inactivation rescues proneural and neural cells from neurodegeneration. *Cell Death and Differentiation*, **2004**, 11, 1179-91	12.7	39
36	Structural and sequence evolution of U17 small nucleolar RNA (snoRNA) and its phylogenetic congruence in chelonians. *Journal of Molecular Evolution*, **2003**, 57, 73-84	3.1	13
35	Physiological and pathological roles of Apaf1 and the apoptosome. *Journal of Cellular and Molecular Medicine*, **2003**, 7, 21-34	5.6	49
34	Caspase regulation of genotoxin-induced neural precursor cell death. *Journal of Neuroscience Research*, **2003**, 74, 435-45	4.4	29
33	Mitochondrial release of AIF and EndoG requires caspase activation downstream of Bax/Bak-mediated permeabilization. *EMBO Journal*, **2003**, 22, 4385-99	13	336

32	Comparative structure analysis of vertebrate U17 small nucleolar RNA (snoRNA). *Journal of Molecular Evolution*, **2002**, 54, 166-79	3.1	14
31	Different role of Apaf-1 in positive selection, negative selection and death by neglect in foetal thymic organ culture. *Scandinavian Journal of Immunology*, **2002**, 56, 174-84	3.4	5
30	Apaf1 reduced expression levels generate a mutant phenotype in adult brain and skeleton. *Cell Death and Differentiation*, **2002**, 9, 340-2	12.7	5
29	Caspase-2 is not required for thymocyte or neuronal apoptosis even though cleavage of caspase-2 is dependent on both Apaf-1 and caspase-9. *Cell Death and Differentiation*, **2002**, 9, 832-41	12.7	156
28	Apoptosis initiated by Bcl-2-regulated caspase activation independently of the cytochrome c/Apaf-1/caspase-9 apoptosome. *Nature*, **2002**, 419, 634-7	50.4	463
27	Glial cells generate neurons: the role of the transcription factor Pax6. *Nature Neuroscience*, **2002**, 5, 308-15	15.5	617
26	Caspase-8 and Apaf-1-independent caspase-9 activation in Sendai virus-infected cells. *Journal of Biological Chemistry*, **2002**, 277, 29817-24	5.4	48
25	Apoptosis-inducing factor (AIF): key to the conserved caspase-independent pathways of cell death?. *Journal of Cell Science*, **2002**, 115, 4727-34	5.3	406
24	Apoptosis-inducing factor is involved in the regulation of caspase-independent neuronal cell death. *Journal of Cell Biology*, **2002**, 158, 507-17	7.3	405
23	From ES cells to mice: the gene trap approach. *Methods in Molecular Biology*, **2002**, 185, 335-46	1.4	5
22	Apaf1 in developmental apoptosis and cancer: how many ways to die?. *Cellular and Molecular Life Sciences*, **2001**, 58, 1688-97	10.3	36
21	Apaf1 is no longer single. *Cell Death and Differentiation*, **2001**, 8, 773-5	12.7	3
20	Apaf-1 is a transcriptional target for E2F and p53. *Nature Cell Biology*, **2001**, 3, 552-8	23.4	503
19	APAF1 is a key transcriptional target for p53 in the regulation of neuronal cell death. *Journal of Cell Biology*, **2001**, 155, 207-16	7.3	166
18	Expression of Foxb1 reveals two strategies for the formation of nuclei in the developing ventral diencephalon. *Developmental Neuroscience*, **2000**, 22, 197-206	2.2	25
17	Gene trap: a way to identify novel genes and unravel their biological function. *FEBS Letters*, **2000**, 480, 63-71	3.8	27
16	Apaf1 and the apoptotic machinery. *Cell Death and Differentiation*, **1999**, 6, 1087-98	12.7	97
15	The fork head transcription factor Fkh5/Mf3 is a developmental marker gene for superior colliculus layers and derivatives of the hindbrain somatic afferent zone. *Developmental Brain Research*, **1999**, 112, 205-15		13

14	Interdigital cell death can occur through a necrotic and caspase-independent pathway. *Current Biology*, **1999**, 9, 967-70	6.3	278
13	Apaf1 (CED-4 homolog) regulates programmed cell death in mammalian development. *Cell*, **1998**, 94, 727-37	56.2	796
12	Maize polyamine oxidase: primary structure from protein and cDNA sequencing. *FEBS Letters*, **1998**, 426, 62-6	3.8	80
11	Expression of Meis2, a Knotted-related murine homeobox gene, indicates a role in the differentiation of the forebrain and the somitic mesoderm. *Developmental Dynamics*, **1997**, 210, 184-90	2.9	52
10	A functional role for some Fugu introns larger than the typical short ones: the example of the gene coding for ribosomal protein S7 and snoRNA U17. *Nucleic Acids Research*, **1996**, 24, 3167-72	20.1	30
9	Fugu intron oversize reveals the presence of U15 snoRNA coding sequences in some introns of the ribosomal protein S3 gene. *Genome Research*, **1996**, 6, 1227-31	9.7	12
8	The Xenopus intron-encoded U17 snoRNA is produced by exonucleolytic processing of its precursor in oocytes. *Nucleic Acids Research*, **1995**, 23, 4670-6	20.1	31
7	Unique features in the mitochondrial D-loop region of the European seabass Dicentrarchus labrax. *Gene*, **1995**, 160, 149-55	3.8	22
6	Structure and expression of ribosomal protein genes in Xenopus laevis. *Biochemistry and Cell Biology*, **1995**, 73, 969-77	3.6	19
5	U17XS8, a small nucleolar RNA with a 12 nt complementarity to 18S rRNA and coded by a sequence repeated in the six introns of Xenopus laevis ribosomal protein S8 gene. *Nucleic Acids Research*, **1994**, 22, 732-41	20.1	50
4	Cloning and characterization of the European seabass, Dicentrarchus labrax, mitochondrial genome. *Current Genetics*, **1994**, 26, 139-45	2.9	5
3	Sequence of the gene coding for ribosomal protein S8 of Xenopus laevis. *Gene*, **1993**, 132, 255-60	3.8	21
2	Sequence of the mitochondrial tRNA(Thr) and tRNA(Pro) genes from European seabass, Dicentrarchus labrax. *Nucleic Acids Research*, **1993**, 21, 2253	20.1	3
1	No evidence of association between schools and SARS-CoV-2 second wave in Italy		10