Mauro Piacentini

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308 papers	38,815 citations	78 h-index	193 g-index
338 ext. papers	44,191 ext. citations	7.8 avg, IF	6.71 L-index

#	Paper	IF	Citations
308	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
307	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
306	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
305	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death 2009. *Cell Death and Differentiation*, **2009**, 16, 3-11	12.7	2114
304	Calreticulin exposure dictates the immunogenicity of cancer cell death. *Nature Medicine*, **2007**, 13, 54-61	50.5	2026
303	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75	10.2	1920
302	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. *Cell Death and Differentiation*, **2012**, 19, 107-20	12.7	1843
301	Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836	13	857
300	Autophagy in malignant transformation and cancer progression. *EMBO Journal*, **2015**, 34, 856-80	13	801
299	Ambra1 regulates autophagy and development of the nervous system. *Nature*, **2007**, 447, 1121-5	50.4	772
298	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. *Cell Death and Differentiation*, **2015**, 22, 58-73	12.7	643
297	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. *Cell Death and Differentiation*, **2009**, 16, 1093-107	12.7	533
296	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death. *Cell Death and Differentiation*, **2005**, 12 Suppl 2, 1463-7	12.7	529
295	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
294	AIF deficiency compromises oxidative phosphorylation. *EMBO Journal*, **2004**, 23, 4679-89	13	522
293	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
292	Transglutaminase 2: an enigmatic enzyme with diverse functions. *Trends in Biochemical Sciences*, **2002**, 27, 534-9	10.3	477

291	The dynamic interaction of AMBRA1 with the dynein motor complex regulates mammalian autophagy. *Journal of Cell Biology*, **2010**, 191, 155-68	7.3	364
290	Impaired autophagic flux is associated with increased endoplasmic reticulum stress during the development of NAFLD. *Cell Death and Disease*, **2014**, 5, e1179	9.8	325
289	Apoptosis: molecular mechanisms in programmed cell death. *European Journal of Cell Biology*, **1991**, 56, 170-7	6.1	303
288	An immunosurveillance mechanism controls cancer cell ploidy. *Science*, **2012**, 337, 1678-84	33.3	299
287	The co-translocation of ERp57 and calreticulin determines the immunogenicity of cell death. *Cell Death and Differentiation*, **2008**, 15, 1499-509	12.7	253
286	Tissue transglutaminase and apoptosis: sense and antisense transfection studies with human neuroblastoma cells. *Molecular and Cellular Biology*, **1994**, 14, 6584-96	4.8	253
285	Beclin1: a role in membrane dynamics and beyond. *Autophagy*, **2012**, 8, 6-17	10.2	222
284	Transglutaminase 2-/- mice reveal a phagocytosis-associated crosstalk between macrophages and apoptotic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 7812-7	11.5	215
283	Expression of tissue transglutaminase in Balb-C 3T3 fibroblasts: effects on cellular morphology and adhesion. *Journal of Cell Biology*, **1992**, 119, 463-74	7.3	212
282	Apoptotic hepatocytes become insoluble in detergents and chaotropic agents as a result of transglutaminase action. *FEBS Letters*, **1989**, 245, 150-4	3.8	203
281	Apoptosis in human skin development: morphogenesis, periderm, and stem cells. *Developmental Dynamics*, **1994**, 199, 176-88	2.9	201
280	ESX-1 dependent impairment of autophagic flux by Mycobacterium tuberculosis in human dendritic cells. *Autophagy*, **2012**, 8, 1357-70	10.2	195
279	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
278	'Tissue' transglutaminase ablation reduces neuronal death and prolongs survival in a mouse model of Huntington's disease. *Cell Death and Differentiation*, **2002**, 9, 873-80	12.7	189
277	Stem cell factor and leukemia inhibitory factor promote primordial germ cell survival by suppressing programmed cell death (apoptosis). *Development (Cambridge)*, **1993**, 118, 1089-1094	6.6	189
276	Mitochondrial BCL-2 inhibits AMBRA1-induced autophagy. *EMBO Journal*, **2011**, 30, 1195-208	13	171
275	Regulation of autophagy in mammals and its interplay with apoptosis. *Cellular and Molecular Life Sciences*, **2010**, 67, 1581-8	10.3	159
274	Endoplasmic Reticulum Stress, Unfolded Protein Response, and Cancer Cell Fate. *Frontiers in Oncology*, **2017**, 7, 78	5.3	155

273	Emerging Mechanisms in Initiating and Terminating Autophagy. *Trends in Biochemical Sciences*, **2017**, 42, 28-41	10.3	151
272	The clearance of apoptotic cells in the liver is mediated by the asialoglycoprotein receptor. *FEBS Letters*, **1992**, 296, 174-8	3.8	145
271	Increasing melanoma cell death using inhibitors of protein disulfide isomerases to abrogate survival responses to endoplasmic reticulum stress. *Cancer Research*, **2008**, 68, 5363-9	10.1	142
270	The expression of "tissue" transglutaminase in two human cancer cell lines is related with the programmed cell death (apoptosis). *European Journal of Cell Biology*, **1991**, 54, 246-54	6.1	138
269	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
268	Essential role of p53 phosphorylation by p38 MAPK in apoptosis induction by the HIV-1 envelope. *Journal of Experimental Medicine*, **2005**, 201, 279-89	16.6	135
267	Human immunodeficiency virus 1 envelope glycoprotein complex-induced apoptosis involves mammalian target of rapamycin/FKBP12-rapamycin-associated protein-mediated p53 phosphorylation. *Journal of Experimental Medicine*, **2001**, 194, 1097-110	16.6	135
266	'Tissue' transglutaminase in cell death: a downstream or a multifunctional upstream effector?. *FEBS Letters*, **1998**, 430, 59-63	3.8	132
265	"Tissue" transglutaminase is specifically expressed in neonatal rat liver cells undergoing apoptosis upon epidermal growth factor-stimulation. *Cell and Tissue Research*, **1991**, 263, 227-35	4.2	131
264	Interaction between AIF and CHCHD4 Regulates Respiratory Chain Biogenesis. *Molecular Cell*, **2015**, 58, 1001-14	17.6	124
263	Extracellular ATP acts on P2Y2 purinergic receptors to facilitate HIV-1 infection. *Journal of Experimental Medicine*, **2011**, 208, 1823-34	16.6	123
262	Induction of two different modes of cell death, apoptosis and necrosis, in rat liver after a single dose of thioacetamide. *American Journal of Pathology*, **1991**, 139, 1099-109	5.8	123
261	Extracellular Matrix Molecular Remodeling in Human Liver Fibrosis Evolution. *PLoS ONE*, **2016**, 11, e0151736	3.7	120
260	Mechanisms of apoptosis induction by the HIV-1 envelope. *Cell Death and Differentiation*, **2005**, 12 Suppl 1, 916-23	12.7	119
259	Sequential involvement of Cdk1, mTOR and p53 in apoptosis induced by the HIV-1 envelope. *EMBO Journal*, **2002**, 21, 4070-80	13	116
258	Expansion of myeloid-derived suppressor cells in patients with severe coronavirus disease (COVID-19). *Cell Death and Differentiation*, **2020**, 27, 3196-3207	12.7	115
257	Tissue transglutaminase-dependent posttranslational modification of the retinoblastoma gene product in promonocytic cells undergoing apoptosis. *Molecular and Cellular Biology*, **1997**, 17, 6040-8	4.8	114
256	Nerve growth factor is an autocrine factor essential for the survival of macrophages infected with HIV. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 14013-8	11.5	111

255	Induction of "tissue" transglutaminase in HIV pathogenesis: evidence for high rate of apoptosis of CD4+ T lymphocytes and accessory cells in lymphoid tissues. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 11057-62	11.5	111
254	Influence of bcl-2 on cell death during the cultivation of a Chinese hamster ovary cell line expressing a chimeric antibody. *Biotechnology and Bioengineering*, **2000**, 68, 31-43	4.9	110
253	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
252	AMBRA1 interplay with cullin E3 ubiquitin ligases regulates autophagy dynamics. *Developmental Cell*, **2014**, 31, 734-46	10.2	103
251	Cell death and autophagy: cytokines, drugs, and nutritional factors. *Toxicology*, **2008**, 254, 147-57	4.4	103
250	NF-kappaB and p53 are the dominant apoptosis-inducing transcription factors elicited by the HIV-1 envelope. *Journal of Experimental Medicine*, **2004**, 199, 629-40	16.6	102
249	Phenotype-specific "tissue" transglutaminase regulation in human neuroblastoma cells in response to retinoic acid: correlation with cell death by apoptosis. *International Journal of Cancer*, **1992**, 52, 271-8	7.5	102
248	Apoptosis of human monocytes/macrophages in Mycobacterium tuberculosis infection. *Journal of Pathology*, **1997**, 181, 31-8	9.4	101
247	Transglutaminase overexpression sensitizes neuronal cell lines to apoptosis by increasing mitochondrial membrane potential and cellular oxidative stress. *Journal of Neurochemistry*, **2002**, 81, 1061-72	6	100
246	Bcl-2 and Bax regulation of apoptosis in germ cells during prenatal oogenesis in the mouse embryo. *Cell Death and Differentiation*, **1999**, 6, 908-15	12.7	99
245	Postmortem Findings in Italian Patients With COVID-19: A Descriptive Full Autopsy Study of Cases With and Without Comorbidities. *Journal of Infectious Diseases*, **2020**, 222, 1807-1815	7	97
244	Reduction of endoplasmic reticulum Ca2+ levels favors plasma membrane surface exposure of calreticulin. *Cell Death and Differentiation*, **2008**, 15, 274-82	12.7	96
243	Targeting homeostatic mechanisms of endoplasmic reticulum stress to increase susceptibility of cancer cells to fenretinide-induced apoptosis: the role of stress proteins ERdj5 and ERp57. *British Journal of Cancer*, **2007**, 96, 1062-71	8.7	96
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241	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
240	Oncogenic BRAF induces chronic ER stress condition resulting in increased basal autophagy and apoptotic resistance of cutaneous melanoma. *Cell Death and Differentiation*, **2015**, 22, 946-58	12.7	92
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237	Molecular mechanisms of Ebola virus pathogenesis: focus on cell death. *Cell Death and Differentiation*, **2015**, 22, 1250-9	12.7	88
236	Molecular mechanisms of hepatitis C virus-induced hepatocellular carcinoma. *Clinical Microbiology and Infection*, **2016**, 22, 853-861	9.5	85
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233	Transglutaminase 2 is involved in autophagosome maturation. *Autophagy*, **2009**, 5, 1145-54	10.2	80
232	Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863	13	79
231	The Fragile X Protein binds mRNA s involved in cancer progression and modulates metastasis formation. *EMBO Molecular Medicine*, **2014**, 6, 567-568	12	78
230	The fragile X protein binds mRNAs involved in cancer progression and modulates metastasis formation. *EMBO Molecular Medicine*, **2013**, 5, 1523-36	12	78
229	Tissue transglutaminase is a multifunctional BH3-only protein. *Journal of Biological Chemistry*, **2004**, 279, 54783-92	5.4	78
228	Tissue transglutaminase: apoptosis versus autoimmunity. *Trends in Immunology*, **1999**, 20, 130-4		77
227	Bcl-2 mediated suppression of apoptosis in myeloma NS0 cultures. *Journal of Biotechnology*, **2000**, 79, 147-59	3.7	74
226	Lack of 'tissue' transglutaminase protein cross-linking leads to leakage of macromolecules from dying cells: relationship to development of autoimmunity in MRLIpr/Ipr mice. *Cell Death and Differentiation*, **1997**, 4, 463-72	12.7	73
225	Ambra1 at the crossroad between autophagy and cell death. *Oncogene*, **2013**, 32, 3311-8	9.2	68
224	The transglutaminase family: an overview: minireview article. *Amino Acids*, **2004**, 26, 367-72	3.5	66
223	Analysis of the periplasmic proteome of Pseudomonas aeruginosa, a metabolically versatile opportunistic pathogen. *Proteomics*, **2009**, 9, 1901-15	4.8	65
222	Transglutaminase type II is a key element in the regulation of the anti-inflammatory response elicited by apoptotic cell engulfment. *Journal of Immunology*, **2005**, 174, 7330-40	5.3	65
221	Transglutaminase type II plays a protective role in hepatic injury. *American Journal of Pathology*, **2003**, 162, 1293-303	5.8	64
220	Multiple cell cycle access to the apoptotic death programme in human neuroblastoma cells. *FEBS Letters*, **1993**, 320, 150-4	3.8	64

219	Free and protein-conjugated polyamines in mouse epidermal cells. Effect of high calcium and retinoic acid. *Journal of Biological Chemistry*, **1988**, 263, 3790-4	5.4	64
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217	Free and protein-conjugated polyamines in mouse epidermal cells. Effect of high calcium and retinoic acid.. *Journal of Biological Chemistry*, **1988**, 263, 3790-3794	5.4	62
216	Transglutaminase Type 2 Regulates ER-Mitochondria Contact Sites by Interacting with GRP75. *Cell Reports*, **2018**, 25, 3573-3581.e4	10.6	61
215	"Tissue" transglutaminase contributes to the formation of disulphide bridges in proteins of mitochondrial respiratory complexes. *Biochimica Et Biophysica Acta - Bioenergetics*, **2006**, 1757, 1357-65	4.6	60
214	Autophagy plays an important role in the containment of HIV-1 in nonprogressor-infected patients. *Autophagy*, **2014**, 10, 1167-78	10.2	59
213	Transglutaminase type II is involved in the pathogenesis of endotoxic shock. *Journal of Immunology*, **2008**, 180, 2616-24	5.3	59
212	The biological basis and clinical symptoms of CAR-T therapy-associated toxicites. *Cell Death and Disease*, **2018**, 9, 897	9.8	59
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210	Tissue transglutaminase and apoptosis: sense and antisense transfection studies with human neuroblastoma cells. *Molecular and Cellular Biology*, **1994**, 14, 6584-6596	4.8	58
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208	Retinoids and the control of growth/death decisions in human neuroblastoma cell lines. *Journal of Neuro-Oncology*, **1997**, 31, 65-83	4.8	57
207	Fenretinide induces autophagic cell death in caspase-defective breast cancer cells. *Autophagy*, **2008** , 4, 435-41	10.2	57
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204	GADD153 and 12-lipoxygenase mediate fenretinide-induced apoptosis of neuroblastoma. *Cancer Research*, **2002**, 62, 5158-67	10.1	56
203	The adenine nucleotide translocator 1 acts as a type 2 transglutaminase substrate: implications for mitochondrial-dependent apoptosis. *Cell Death and Differentiation*, **2009**, 16, 1480-92	12.7	54
202	Oncogenic B-RAF signaling in melanoma impairs the therapeutic advantage of autophagy inhibition. *Clinical Cancer Research*, **2011**, 17, 2216-26	12.9	53

201	Synergistic induction of apoptosis of neuroblastoma by fenretinide or CD437 in combination with chemotherapeutic drugs. *International Journal of Cancer*, **2000**, 88, 977-85	7.5	53
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199	New insights on the role of apoptosis and autophagy in HIV pathogenesis. *Apoptosis: an International Journal on Programmed Cell Death*, **2009**, 14, 501-8	5.4	52
198	Abnormal Bcl-2 and "tissue" transglutaminase expression in psoriatic skin. *Journal of Investigative Dermatology*, **1994**, 103, 829-33	4.3	52
197	Control of Mitochondrial Remodeling by the ATPase Inhibitory Factor 1 Unveils a Pro-survival Relay via OPA1. *Cell Reports*, **2017**, 18, 1869-1883	10.6	50
196	Transglutaminase 2 ablation leads to defective function of mitochondrial respiratory complex I affecting neuronal vulnerability in experimental models of extrapyramidal disorders. *Journal of Neurochemistry*, **2007**, 100, 36-49	6	50
195	COVID-19 infection: the China and Italy perspectives. *Cell Death and Disease*, **2020**, 11, 438	9.8	49
194	Type 2 transglutaminase is involved in the autophagy-dependent clearance of ubiquitinated proteins. *Cell Death and Differentiation*, **2012**, 19, 1228-38	12.7	49
193	Retinoic acid receptors alpha and gamma mediate the induction of "tissue" transglutaminase activity and apoptosis in human neuroblastoma cells. *Experimental Cell Research*, **1997**, 235, 55-61	4.2	49
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186	Autophagy induction in atrophic muscle cells requires ULK1 activation by TRIM32 through unanchored K63-linked polyubiquitin chains. *Science Advances*, **2019**, 5, eaau8857	14.3	45
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184	Xeno-cannibalism as an exacerbation of self-cannibalism: a possible fruitful survival strategy for cancer cells. *Current Pharmaceutical Design*, **2008**, 14, 245-52	3.3	43

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182	Ambra1 knockdown in zebrafish leads to incomplete development due to severe defects in organogenesis. *Autophagy*, **2013**, 9, 476-95	10.2	42
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180	Mitochondrial Interactome: A Focus on Antiviral Signaling Pathways. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 8	5.7	41
179	Covalent incorporation of polyamines as gamma-glutamyl derivatives into CHO cell protein. *BBA - Proteins and Proteomics*, **1988**, 952, 325-33		41
178	Glucosylceramide synthase and its functional interaction with RTN-1C regulate chemotherapeutic-induced apoptosis in neuroepithelioma cells. *Cancer Research*, **2003**, 63, 3860-5	10.1	41
177	TRIM proteins in autophagy: selective sensors in cell damage and innate immune responses. *Cell Death and Differentiation*, **2020**, 27, 887-902	12.7	40
176	Why is autophagy important for melanoma? Molecular mechanisms and therapeutic implications. *Seminars in Cancer Biology*, **2013**, 23, 337-43	12.7	40
175	Apoptosis induced by N-hexanoylsphingosine in CHP-100 cells associates with accumulation of endogenous ceramide and is potentiated by inhibition of glucocerebroside synthesis. *Cell Death and Differentiation*, **1998**, 5, 785-91	12.7	40
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172	Fenretinide: a p53-independent way to kill cancer cells. *Biochemical and Biophysical Research Communications*, **2005**, 331, 810-5	3.4	39
171	In vivo and in vitro induction of 'tissue' transglutaminase in rat hepatocytes by retinoic acid. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1992**, 1135, 171-9	4.9	39
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153	Acetylation of RTN-1C regulates the induction of ER stress by the inhibition of HDAC activity in neuroectodermal tumors. *Oncogene*, **2009**, 28, 3814-24	9.2	32
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151	Critical involvement of the ATM-dependent DNA damage response in the apoptotic demise of HIV-1-elicited syncytia. *PLoS ONE*, **2008**, 3, e2458	3.7	32
150	Characterization of cell death pathways in human immunodeficiency virus-associated encephalitis. *American Journal of Pathology*, **2005**, 167, 695-704	5.8	31
149	Tamoxifen and somatostatin affect tumours by inducing apoptosis. *Cancer Letters*, **1995**, 96, 141-5	9.9	31
148	Induction of autophagy promotes the growth of early preneoplastic rat liver nodules. *Oncotarget*, **2016**, 7, 5788-99	3.3	31

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145	Apoptosis of L929 cells by etoposide: a quantitative and kinetic approach. *Experimental Cell Research*, **1996**, 228, 292-305	4.2	29
144	Differential growth of N- and S-type human neuroblastoma cells xenografted into scid mice. correlation with apoptosis. *Journal of Pathology*, **1996**, 180, 415-22	9.4	29
143	Retinoic acid-induced modulation of rat liver transglutaminase and total polyamines in vivo. *Biochemical Journal*, **1988**, 253, 33-8	3.8	29
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