

Maria Caterina Turco

List of Publications by Citations

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

116 papers	3,428 citations	33 h-index	55 g-index
121 ext. papers	3,758 ext. citations	6.6 avg, IF	4.63 L-index

#	Paper	IF	Citations
116	BAG3: a multifaceted protein that regulates major cell pathways. <i>Cell Death and Disease</i> , 2011 , 2, e141	9.8	216
115	Review of molecular mechanisms involved in the activation of the Nrf2-ARE signaling pathway by chemopreventive agents. <i>Methods in Molecular Biology</i> , 2010 , 647, 37-74	1.4	170
114	Oxidative stress and neuroAIDS: triggers, modulators and novel antioxidants. <i>Trends in Neurosciences</i> , 2001 , 24, 411-6	13.3	161
113	Growth inhibition and synergistic induction of apoptosis by zoledronate and dexamethasone in human myeloma cell lines. <i>Leukemia</i> , 2000 , 14, 841-4	10.7	128
112	Triggering of CD40 Antigen Inhibits Fludarabine-Induced Apoptosis in B Chronic Lymphocytic Leukemia Cells. <i>Blood</i> , 1998 , 92, 990-995	2.2	120
111	Apoptosis inhibition in cancer cells: a novel molecular pathway that involves BAG3 protein. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 1337-42	5.6	113
110	Microbiota effects on cancer: from risks to therapies. <i>Oncotarget</i> , 2018 , 9, 17915-17927	3.3	101
109	BAG3 protein is overexpressed in human glioblastoma and is a potential target for therapy. <i>American Journal of Pathology</i> , 2011 , 178, 2504-12	5.8	99
108	Bag3 gene expression is regulated by heat shock factor 1. <i>Journal of Cellular Physiology</i> , 2008 , 215, 575-7	7	94
107	BAG3 protein controls B-chronic lymphocytic leukaemia cell apoptosis. <i>Cell Death and Differentiation</i> , 2003 , 10, 383-5	12.7	94
106	IKK{gamma} protein is a target of BAG3 regulatory activity in human tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7497-502	11.5	92
105	The antiapoptotic protein BAG3 is expressed in thyroid carcinomas and modulates apoptosis mediated by tumor necrosis factor-related apoptosis-inducing ligand. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1159-63	5.6	90
104	BAG3 protein regulates stress-induced apoptosis in normal and neoplastic leukocytes. <i>Leukemia</i> , 2004 , 18, 358-60	10.7	83
103	Functional and pharmacological characterization of a VEGF mimetic peptide on reparative angiogenesis. <i>Biochemical Pharmacology</i> , 2012 , 84, 303-11	6	80
102	NF-kappaB/Rel-mediated regulation of apoptosis in hematologic malignancies and normal hematopoietic progenitors. <i>Leukemia</i> , 2004 , 18, 11-7	10.7	76
101	BAG3 promotes pancreatic ductal adenocarcinoma growth by activating stromal macrophages. <i>Nature Communications</i> , 2015 , 6, 8695	17.4	62
100	Evidence for BAG3 modulation of HIV-1 gene transcription. <i>Journal of Cellular Physiology</i> , 2007 , 210, 676-83	7	62

99	BAG3 protein regulates cell survival in childhood acute lymphoblastic leukemia cells. <i>Cancer Biology and Therapy</i> , 2003 , 2, 508-10	4.6	60
98	The activity of hsp90 alpha promoter is regulated by NF-kappa B transcription factors. <i>Oncogene</i> , 2008 , 27, 1175-8	9.2	56
97	Amifostine Inhibits Hematopoietic Progenitor Cell Apoptosis by Activating NF- κ B/Rel Transcription Factors. <i>Blood</i> , 1999 , 94, 4060-4066	2.2	52
96	Expression of the antiapoptotic protein BAG3 is a feature of pancreatic adenocarcinoma and its overexpression is associated with poorer survival. <i>American Journal of Pathology</i> , 2012 , 181, 1524-9	5.8	48
95	NF-kappaB protects Behçet's disease T cells against CD95-induced apoptosis up-regulating antiapoptotic proteins. <i>Arthritis and Rheumatism</i> , 2005 , 52, 2179-91		47
94	Increased expression of CD40 ligand in activated CD4+ T lymphocytes of systemic sclerosis patients. <i>Journal of Autoimmunity</i> , 2000 , 15, 61-6	15.5	42
93	Role of BAG3 in cancer progression: A therapeutic opportunity. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 78, 85-92	7.5	39
92	Therapeutic potential of a pyridoxal-based vanadium(IV) complex showing selective cytotoxicity for cancer versus healthy cells. <i>Journal of Cellular Physiology</i> , 2013 , 228, 2202-9	7	39
91	The co-chaperone BAG3 interacts with the cytosolic chaperonin CCT: new hints for actin folding. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 641-50	5.6	39
90	Activation of BAG3 by Egr-1 in response to FGF-2 in neuroblastoma cells. <i>Oncogene</i> , 2008 , 27, 5011-8	9.2	38
89	The anti-human leukocyte antigen-DR monoclonal antibody 1D09C3 activates the mitochondrial cell death pathway and exerts a potent antitumor activity in lymphoma-bearing nonobese diabetic/severe combined immunodeficient mice. <i>Cancer Research</i> , 2006 , 66, 1799-808	10.1	37
88	High-mobility group A1 proteins are overexpressed in human leukaemias. <i>Biochemical Journal</i> , 2003 , 372, 145-50	3.8	36
87	WW domain of BAG3 is required for the induction of autophagy in glioma cells. <i>Journal of Cellular Physiology</i> , 2015 , 230, 831-41	7	35
86	Characterization of a designed vascular endothelial growth factor receptor antagonist helical peptide with antiangiogenic activity in vivo. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 1391-400	8.3	34
85	BAG3 controls angiogenesis through regulation of ERK phosphorylation. <i>Oncogene</i> , 2012 , 31, 5153-61	9.2	33
84	BAG3 protein regulates caspase-3 activation in HIV-1-infected human primary microglial cells. <i>Journal of Cellular Physiology</i> , 2009 , 218, 264-7	7	33
83	Nuclear factor-kappaB regulates inflammatory cell apoptosis and phagocytosis in rat carrageenin-sponge implant model. <i>American Journal of Pathology</i> , 2004 , 165, 115-26	5.8	33
82	Quassinoids can induce mitochondrial membrane depolarisation and caspase 3 activation in human cells. <i>Cell Death and Differentiation</i> , 2004 , 11 Suppl 2, S216-8	12.7	32

81	1-Methoxy-canthin-6-one induces c-Jun NH2-terminal kinase-dependent apoptosis and synergizes with tumor necrosis factor-related apoptosis-inducing ligand activity in human neoplastic cells of hematopoietic or endodermal origin. <i>Cancer Research</i> , 2006 , 66, 4385-93	10.1	31
80	BAG3 protein delocalisation in prostate carcinoma. <i>Tumor Biology</i> , 2010 , 31, 461-9	2.9	30
79	A novel miR-371a-5p-mediated pathway, leading to BAG3 upregulation in cardiomyocytes in response to epinephrine, is lost in Takotsubo cardiomyopathy. <i>Cell Death and Disease</i> , 2015 , 6, e1948	9.8	29
78	Hairpin peptide that targets vascular endothelial growth factor (VEGF) receptors: design, NMR characterization, and biological activity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 41680-41691	5.4	29
77	Synergistic induction of growth arrest and apoptosis of human myeloma cells by the IL-6 super-antagonist Sant7 and Dexamethasone. <i>Cell Death and Differentiation</i> , 2000 , 7, 327-8	12.7	29
76	WT1 protein is a transcriptional activator of the antiapoptotic bag3 gene. <i>Leukemia</i> , 2010 , 24, 1204-6	10.7	28
75	The anti-apoptotic BAG3 protein is expressed in lung carcinomas and regulates small cell lung carcinoma (SCLC) tumor growth. <i>Oncotarget</i> , 2014 , 5, 6846-53	3.3	26
74	BAG3 is a novel serum biomarker for pancreatic adenocarcinomas. <i>American Journal of Gastroenterology</i> , 2013 , 108, 1178-80	0.7	25
73	Bag3-induced autophagy is associated with degradation of JCV oncoprotein, T-Ag. <i>PLoS ONE</i> , 2012 , 7, e45000	3.7	25
72	BAG3 down-modulation reduces anaplastic thyroid tumor growth by enhancing proteasome-mediated degradation of BRAF protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E115-20	5.6	23
71	Detection of soluble BAG3 and anti-BAG3 antibodies in patients with chronic heart failure. <i>Cell Death and Disease</i> , 2013 , 4, e495	9.8	22
70	Exposure to 50 Hz electromagnetic field raises the levels of the anti-apoptotic protein BAG3 in melanoma cells. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2901-7	7	21
69	Role of BAG3 protein in leukemia cell survival and response to therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012 , 1826, 365-9	11.2	19
68	Combined effect of anti-BAG3 and anti-PD-1 treatment on macrophage infiltrate, CD8 T cell number and tumour growth in pancreatic cancer. <i>Gut</i> , 2018 , 67, 780-782	19.2	19
67	Role of WT1-ZNF224 interaction in the expression of apoptosis-regulating genes. <i>Human Molecular Genetics</i> , 2013 , 22, 1771-82	5.6	19
66	Expression of the anti-apoptotic protein BAG3 in human melanomas. <i>Journal of Investigative Dermatology</i> , 2012 , 132, 252-4	4.3	19
65	Identification of a synaptosome-associated form of BAG3 protein. <i>Cell Cycle</i> , 2008 , 7, 3104-5	4.7	19
64	Design, structural and biological characterization of a VEGF inhibitor hairpin-constrained peptide. <i>European Journal of Medicinal Chemistry</i> , 2014 , 73, 210-6	6.8	17

63	BAG3 protein expression in melanoma metastatic lymph nodes correlates with patients survival. <i>Cell Death and Disease</i> , 2014 , 5, e1173	9.8	17
62	Polymorphisms of the antiapoptotic protein bag3 may play a role in the pathogenesis of tako-tsubo cardiomyopathy. <i>International Journal of Cardiology</i> , 2013 , 168, 1663-5	3.2	16
61	Evidence for modulation of BAG3 by polyomavirus JC early protein. <i>Journal of General Virology</i> , 2009 , 90, 1629-1640	4.9	16
60	Antiproliferative and pro-apoptotic activity of novel phenolic derivatives of resveratrol. <i>Life Sciences</i> , 2007 , 81, 873-83	6.8	16
59	BAG3 regulates formation of the SNARE complex and insulin secretion. <i>Cell Death and Disease</i> , 2015 , 6, e1684	9.8	15
58	The multiple activities of BAG3 protein: Mechanisms. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129628	4	15
57	Analysis of BAG3 plasma concentrations in patients with acutely decompensated heart failure. <i>Clinica Chimica Acta</i> , 2015 , 445, 73-8	6.2	14
56	BAG3 is required for IKK β nuclear translocation and emergence of castration resistant prostate cancer. <i>Cell Death and Disease</i> , 2011 , 2, e139	9.8	14
55	BAG3 protein is induced during cardiomyoblast differentiation and modulates myogenin expression. <i>Cell Cycle</i> , 2011 , 10, 850-2	4.7	14
54	The anti-apoptotic BAG3 protein is involved in BRAF inhibitor resistance in melanoma cells. <i>Oncotarget</i> , 2017 , 8, 80393-80404	3.3	14
53	The prosurvival protein BAG3: a new participant in vascular homeostasis. <i>Cell Death and Disease</i> , 2016 , 7, e2431	9.8	13
52	Identification of a Btk-BAG3 complex induced by oxidative stress. <i>Leukemia</i> , 2009 , 23, 823-4	10.7	13
51	HLA class I antigen downregulation by interleukin (IL)-10 is predominantly governed by NK-kappaB in the short term and by TAP1+2 in the long term. <i>Tissue Antigens</i> , 2000 , 55, 326-32		13
50	Diagnostic accuracy of p53 immunohistochemistry as surrogate of TP53 sequencing in endometrial cancer. <i>Pathology Research and Practice</i> , 2020 , 216, 153025	3.4	12
49	BAG3 protein in advanced-stage heart failure. <i>JACC: Heart Failure</i> , 2014 , 2, 673-5	7.9	12
48	Matrine modulates HSC70 levels and rescues H508-CFTR. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3317-23		12
47	Development of an anti-BAG3 humanized antibody for treatment of pancreatic cancer. <i>Molecular Oncology</i> , 2019 , 13, 1388-1399	7.9	11
46	BAG3 Protein Is Over-Expressed in Endometrioid Endometrial Adenocarcinomas. <i>Journal of Cellular Physiology</i> , 2017 , 232, 309-311	7	11

45	UN1, a murine monoclonal antibody recognizing a novel human thymic antigen. <i>Tissue Antigens</i> , 1994 , 44, 73-82		11
44	Ferritin heavy chain (FHC) is up-regulated in papillomavirus-associated urothelial tumours of the urinary bladder in cattle. <i>Journal of Comparative Pathology</i> , 2010 , 142, 9-18	1	10
43	Effect of NF-kappaB/Rel inhibition on spontaneous vs chemotherapy-induced apoptosis in AML and normal cord blood CD34+ cells. <i>Leukemia</i> , 2003 , 17, 1190-2	10.7	10
42	Oxaliplatin (L-OHP) treatment of human myeloma cells induces in vitro growth inhibition and apoptotic cell death. <i>European Journal of Cancer</i> , 2002 , 38, 1141-7	7.5	10
41	CD40 and B chronic lymphocytic leukemia cell response to fludarabine: the influence of NF-kappaB/Rel transcription factors on chemotherapy-induced apoptosis. <i>Leukemia and Lymphoma</i> , 2000 , 36, 255-62	1.9	10
40	Induction of nuclear factor kappa B/Rel nuclear activity in human peripheral blood T lymphocytes by anti-HLA class I monoclonal antibodies. <i>Tissue Antigens</i> , 1997 , 50, 1-7		9
39	Chaperone-assisted selective autophagy in healthy and papillomavirus-associated neoplastic urothelium of cattle. <i>Veterinary Microbiology</i> , 2018 , 221, 134-142	3.3	8
38	Discovery and synthesis of the first selective BAG domain modulator of BAG3 as an attractive candidate for the development of a new class of chemotherapeutics. <i>Chemical Communications</i> , 2018 , 54, 7613-7616	5.8	7
37	Regulation of NF-kappa B nuclear activity in peripheral blood mononuclear cells: role of CD28 antigen. <i>Cellular Immunology</i> , 1994 , 156, 371-7	4.4	7
36	Inhibition by anti-HLA class I mAb of IL-2 and IL-2 receptor synthesis in lymphocytes stimulated with PHA-P. <i>Cellular Immunology</i> , 1990 , 126, 420-7	4.4	7
35	Triggering of CD40 Antigen Inhibits Fludarabine-Induced Apoptosis in B Chronic Lymphocytic Leukemia Cells. <i>Blood</i> , 1998 , 92, 990-995	2.2	7
34	CAF-Derived IL6 and GM-CSF Cooperate to Induce M2-like TAMs-Letter. <i>Clinical Cancer Research</i> , 2019 , 25, 892-893	12.9	7
33	Defect of CD2- and CD3-mediated activation pathways in T cells of atopic patients: role of interleukin 2. <i>Cellular Immunology</i> , 1992 , 139, 91-7	4.4	6
32	Lack of a role of monocytes in the inhibition by monoclonal antibodies to monomorphic and polymorphic determinants of HLA class I antigens of PHA-P-induced peripheral blood mononuclear cell proliferation. <i>Cellular Immunology</i> , 1989 , 122, 164-77	4.4	6
31	Plasmacytoids dendritic cells are a therapeutic target in anticancer immunity. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012 , 1826, 407-14	11.2	5
30	CD69 expression on primitive progenitor cells and hematopoietic malignancies. <i>Tissue Antigens</i> , 1996 , 48, 65-8		5
29	The expression of the pro-apoptotic gene Air is inducible in human pancreatic adenocarcinoma cells. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2207-12	7	4
28	CD36 is rapidly and transiently upregulated on phytohemagglutinin (PHA)-stimulated peripheral blood lymphocytes. Analysis by a new monoclonal antibody (UN7). <i>Tissue Antigens</i> , 1998 , 51, 671-5		4

27	Activation of NF-kappaB/Rel transcription factors in human primary peripheral blood mononuclear cells by interleukin 7. <i>Biological Chemistry</i> , 2004 , 385, 415-7	4.5	4
26	Defect of interleukin-2 production and T cell proliferation in atopic patients: restoring ability of the CD28-mediated activation pathway. <i>Cellular Immunology</i> , 1993 , 148, 455-63	4.4	4
25	Identification of BAG3 target proteins in anaplastic thyroid cancer cells by proteomic analysis. <i>Oncotarget</i> , 2018 , 9, 8016-8026	3.3	4
24	BAG3 in Tumor Resistance to Therapy. <i>Trends in Cancer</i> , 2020 , 6, 985-988	12.5	4
23	Evaluation of BAG3 levels in healthy subjects, hypertensive patients, and hypertensive diabetic patients. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1791-1795	7	3
22	Regulation of cell survival in CD95-induced T cell apoptosis: role of NF-kappa B/Rel transcription factors. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1999 , 4, 179-86	5.4	3
21	Mitogenic activity of anti-CD28 MoAb CLB-CD28/1 on peripheral blood mononuclear cells and its cooperation with other anti-T cells MoAb in the activation of purified T lymphocytes. <i>Tissue Antigens</i> , 1990 , 36, 12-8		3
20	Heterogeneity in the mitogenic response of peripheral blood mononuclear cells to a pan T monoclonal antibody. <i>Tissue Antigens</i> , 1988 , 31, 59-68		3
19	Scouting new molecular targets for CFTR therapy: the HSC70/BAG-1 complex. A computational study. <i>Medicinal Chemistry Research</i> , 2012 , 21, 4430-4436	2.2	2
18	BAG3 Protein: Role in Some Neoplastic Cell Types and Identification as a Candidate Target for Therapy 2010 , 137-146		2
17	Amifostine Inhibits Hematopoietic Progenitor Cell Apoptosis by Activating NF- κ B/Rel Transcription Factors. <i>Blood</i> , 1999 , 94, 4060-4066	2.2	2
16	An emerging role for BAG3 in gynaecological malignancies. <i>British Journal of Cancer</i> , 2021 , 125, 789-797	8.7	2
15	Modulation of cell apoptosis by AIR. <i>Leukemia</i> , 2007 , 21, 2557-9	10.7	1
14	Analysis of peripheral blood normal and malignant cells with the novel murine monoclonal antibody UN2. <i>Immunology Letters</i> , 1994 , 42, 55-62	4.1	1
13	A novel monoclonal antibody recognizing human thymocytes and B-cell chronic lymphocytic leukemia cells. <i>Immunology Letters</i> , 1994 , 39, 137-46	4.1	1
12	Identification and characterization of a T cell growth inhibitory factor produced by K562 erythromyeloid cells. <i>Cellular Immunology</i> , 1991 , 138, 55-63	4.4	1
11	Lymphocyte proliferative response to mitogenic monoclonal antibodies in systemic sclerosis. Evidence for unresponsiveness to murine monoclonal antibodies of IgG1 isotype. <i>Tissue Antigens</i> , 1989 , 33, 457-65		1
10	BAG3 induces α 5MA expression in human fibroblasts and its over-expression correlates with poorer survival in fibrotic cancer patients. <i>Journal of Cellular Biochemistry</i> , 2021 ,	4.7	1

- 9 What's in the BAGs? Intrinsic disorder angle of the multifunctionality of the members of a family of chaperone regulators. *Journal of Cellular Biochemistry*, **2021**, 4.7 1
- 8 UN-1, a murine monoclonal antibody recognizing a human thymocyte undescribed antigen. *Pharmacological Research*, **1992**, 26 Suppl 2, 128-9 10.2 0
- 7 Novel Targets for Apoptosis Modulation: BAG3 Protein and Other Co- Chaperones. *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, **2009**, 3, 80-86
- 6 Physiology of Immune System: Regulation of Stem Cell Survival. *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, **2009**, 3, 35-41
- 5 Detection of an antigenic marker expressed by peripheral blood monocytes and platelets by a new monoclonal antibody, UN8. *Tissue Antigens*, **1995**, 45, 288-91
- 4 Iodine intake among children: Letter. *Journal of Trace Elements in Medicine and Biology*, **2020**, 62, 126610.1
- 3 Comment on: Development of PancRISK, a urine biomarker-based risk score for stratified screening of pancreatic cancer patients. *British Journal of Cancer*, **2020**, 123, 1467 8.7
- 2 Concerted BAG3 and SIRP blockade impairs pancreatic tumor growth.. *Cell Death Discovery*, **2022**, 8, 94 6.9
- 1 Proliferative pathways in CD1- CD3+ CD4+ CD8+ T-prolymphocytic leukemic cells: analysis with monoclonal antibodies and cytokines. *Blood*, **1989**, 74, 1651-1657 2.2