

Marco Tafani

List of Publications by Year in descending order

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73
papers

12,064
citations

117571

34
h-index

79644

73
g-index

75
all docs

75
docs citations

75
times ranked

25282
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	The Overexpression of Bax Produces Cell Death upon Induction of the Mitochondrial Permeability Transition. <i>Journal of Biological Chemistry</i> , 1998, 273, 7770-7775.	1.6	514
4	Functional Consequences of the Sustained or Transient Activation by Bax of the Mitochondrial Permeability Transition Pore. <i>Journal of Biological Chemistry</i> , 1999, 274, 31734-31739.	1.6	266
5	The Course of Etoposide-induced Apoptosis from Damage to DNA and p53 Activation to Mitochondrial Release of Cytochrome c. <i>Journal of Biological Chemistry</i> , 2002, 277, 16547-16552.	1.6	258
6	The Interplay of Reactive Oxygen Species, Hypoxia, Inflammation, and Sirtuins in Cancer Initiation and Progression. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-18.	1.9	245
7	SIRT5 regulation of ammonia-induced autophagy and mitophagy. <i>Autophagy</i> , 2015, 11, 253-270.	4.3	223
8	Hypoxia-inducible factor 1-dependent expression of platelet-derived growth factor B promotes lymphatic metastasis of hypoxic breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2707-16.	3.3	180
9	Redox State of Single Chain Fv Fragments Targeted to the Endoplasmic Reticulum, Cytosol and Mitochondria. <i>Bio/technology</i> , 1995, 13, 1110-1115.	1.9	170
10	Kaempferol induces apoptosis in two different cell lines via Akt inactivation, Bax and SIRT3 activation, and mitochondrial dysfunction. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 643-650.	1.2	155
11	Hypoxia-increased RAGE and P2X7R expression regulates tumor cell invasion through phosphorylation of Erk1/2 and Akt and nuclear translocation of NF- κ B. <i>Carcinogenesis</i> , 2011, 32, 1167-1175.	1.3	148
12	Tumor Necrosis Factor Induces Phosphorylation and Translocation of BAD through a Phosphatidylinositol-3-OH Kinase-dependent Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 19411-19416.	1.6	125
13	Regulation of Intracellular pH Mediates Bax Activation in HeLa Cells Treated with Staurosporine or Tumor Necrosis Factor- α . <i>Journal of Biological Chemistry</i> , 2002, 277, 49569-49576.	1.6	115
14	Cytochrome c Release upon Fas Receptor Activation Depends on Translocation of Full-length Bid and the Induction of the Mitochondrial Permeability Transition. <i>Journal of Biological Chemistry</i> , 2002, 277, 10073-10082.	1.6	107
15	Pro-inflammatory gene expression in solid glioblastoma microenvironment and in hypoxic stem cells from human glioblastoma. <i>Journal of Neuroinflammation</i> , 2011, 8, 32.	3.1	102
16	Cytochrome c-Dependent Activation of Caspase-3 by Tumor Necrosis Factor Requires Induction of the Mitochondrial Permeability Transition. <i>American Journal of Pathology</i> , 2000, 156, 2111-2121.	1.9	83
17	Modulators of HIF1 α and NF κ B in Cancer Treatment: Is it a Rational Approach for Controlling Malignant Progression?. <i>Frontiers in Pharmacology</i> , 2013, 4, 13.	1.6	79
18	Sirtuins: the molecular basis of beneficial effects of physical activity. <i>Internal and Emergency Medicine</i> , 2013, 8, 23-25.	1.0	66

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19	1,4-Dihydropyridines Active on the SIRT1/AMPK Pathway Ameliorate Skin Repair and Mitochondrial Function and Exhibit Inhibition of Proliferation in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1471-1491.	2.9	60
20	Sirtuins' control of autophagy and mitophagy in cancer. , 2021, 221, 107748.		58
21	Up-regulation of pro-inflammatory genes as adaptation to hypoxia in MCF7 cells and in human mammary invasive carcinoma microenvironment. <i>Cancer Science</i> , 2010, 101, 1014-1023.	1.7	57
22	Role of hypoxia and autophagy in MDA-MB-231 invasiveness. <i>Journal of Cellular Physiology</i> , 2010, 223, 359-368.	2.0	52
23	Up-regulation of the inflammatory-reparative phenotype in human prostate carcinoma. <i>Prostate</i> , 2009, 69, 1245-1255.	1.2	50
24	SIRT1 silencing confers neuroprotection through IGF1 pathway activation. <i>Journal of Cellular Physiology</i> , 2013, 228, 1754-1761.	2.0	50
25	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. <i>Gastroenterology</i> , 2021, 161, 1584-1600.	0.6	50
26	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. <i>Oncotarget</i> , 2017, 8, 68557-68570.	0.8	49
27	Selenium and zinc deficient cardiomyopathy in human intestinal malabsorption: preliminary results of selenium/zinc infusion. <i>European Journal of Heart Failure</i> , 2012, 14, 202-210.	2.9	47
28	Increased oxidative stress contributes to cardiomyocyte dysfunction and death in patients with Fabry disease cardiomyopathy. <i>Human Pathology</i> , 2015, 46, 1760-1768.	1.1	46
29	The course of etoposide-induced apoptosis in Jurkat cells lacking p53 and Bax. <i>Journal of Cellular Physiology</i> , 2006, 208, 55-63.	2.0	45
30	Overexpression of estrogen receptor1 in human papillary thyroid carcinomas studied by laser capture microdissection and molecular biology. <i>Cancer Science</i> , 2011, 102, 1921-1927.	1.7	43
31	Bridging hypoxia, inflammation and estrogen receptors in thyroid cancer progression. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 1-5.	2.5	43
32	Involvement of FOXO Transcription Factors, TRAIL-FasL/Fas, and Sirtuin Proteins Family in Canine Coronavirus Type II-Induced Apoptosis. <i>PLoS ONE</i> , 2011, 6, e27313.	1.1	41
33	SIRT1-SIRT3 Axis Regulates Cellular Response to Oxidative Stress and Etoposide. <i>Journal of Cellular Physiology</i> , 2017, 232, 1835-1844.	2.0	39
34	Hypoxia, Inflammation and Necrosis as Determinants of Glioblastoma Cancer Stem Cells Progression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2660.	1.8	39
35	Paclitaxel Induces Apoptosis in Saos-2 Cells with CD95L Upregulation and Bcl-2 Phosphorylation. <i>Experimental Cell Research</i> , 1999, 252, 134-143.	1.2	37
36	Antioxidant modulation of sirtuin 3 during acute inflammatory pain: The ROS control. <i>Pharmacological Research</i> , 2020, 157, 104851.	3.1	35

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37	Graphene Oxide Nanoribbons Induce Autophagic Vacuoles in Neuroblastoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1995.	1.8	34
38	2,3,7,8-Tetrachlorodibenzo-p-dioxin regulates Bovine Herpesvirus type 1 induced apoptosis by modulating Bcl-2 family members. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1243-1252.	2.2	32
39	The effect of marathon on mRNA expression of anti-apoptotic and pro-apoptotic proteins and sirtuins family in male recreational long-distance runners. <i>BMC Physiology</i> , 2010, 10, 7.	3.6	32
40	Mitophagy and Oxidative Stress in Cancer and Aging: Focus on Sirtuins and Nanomaterials. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	1.9	32
41	Development of the terminally differentiated state sensitizes epiphyseal chondrocytes to apoptosis through caspase-3 activation. <i>Journal of Cellular Physiology</i> , 2007, 210, 609-615.	2.0	30
42	Induction of autophagic cell death by a novel molecule is increased by hypoxia. <i>Autophagy</i> , 2008, 4, 1042-1053.	4.3	28
43	Metformin Impairs Glutamine Metabolism and Autophagy in Tumour Cells. <i>Cells</i> , 2019, 8, 49.	1.8	28
44	Natural Antioxidant Control of Neuropathic Pain—Exploring the Role of Mitochondrial SIRT3 Pathway. <i>Antioxidants</i> , 2020, 9, 1103.	2.2	26
45	ERK1 MAP kinase prevents TNF-induced apoptosis through bad phosphorylation and inhibition of Bax translocation in HeLa Cells. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 1166-1174.	1.2	25
46	Phenotypic transitions enacted by simulated microgravity do not alter coherence in gene transcription profile. <i>Npj Microgravity</i> , 2019, 5, 27.	1.9	25
47	Sirtuins and Resveratrol-Derived Compounds: A Model for Understanding the Beneficial Effects of the Mediterranean Diet. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2014, 14, 300-308.	0.6	24
48	From Human Megakaryocytes to Platelets: Effects of Aspirin on High-Mobility Group Box 1/Receptor for Advanced Glycation End Products Axis. <i>Frontiers in Immunology</i> , 2017, 8, 1946.	2.2	18
49	One Special Question to Start with: Can HIF/NFκB be a Target in Inflammation?. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2015, 15, 171-185.	0.6	18
50	Re-evaluation of the distinction between type I and type II cells: The necessary role of the mitochondria in both the extrinsic and intrinsic signaling pathways upon fas receptor activation. <i>Journal of Cellular Physiology</i> , 2006, 208, 556-565.	2.0	16
51	Nanomaterials for Autophagy-Related miRNA-34a Delivery in Cancer Treatment. <i>Frontiers in Pharmacology</i> , 2020, 11, 1141.	1.6	16
52	SIRT5 Inhibition Induces Brown Fat-Like Phenotype in 3T3-L1 Preadipocytes. <i>Cells</i> , 2021, 10, 1126.	1.8	16
53	2,3,7,8-Tetrachlorodibenzo-p-dioxin modifies expression and nuclear/cytosolic localization of bovine herpesvirus 1 immediate-early protein (bICP0) during infection. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 333-342.	1.2	15
54	Detailing the role of Bax translocation, cytochrome c release, and perinuclear clustering of the mitochondria in the killing of HeLa cells by TNF. <i>Journal of Cellular Physiology</i> , 2008, 217, 442-449.	2.0	14

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55	EZH2, HIF-1, and Their Inhibitors: An Overview on Pediatric Cancers. <i>Frontiers in Pediatrics</i> , 2018, 6, 328.	0.9	14
56	Overexpression of pro-inflammatory genes and down-regulation of SOCS-1 in human PTC and in hypoxic BCPAP cells. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 7-16.	2.5	13
57	Pyrazole-based inhibitors of enhancer of zeste homologue 2 induce apoptosis and autophagy in cancer cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170150.	1.8	13
58	Application of Small Epigenetic Modulators in Pediatric Medulloblastoma. <i>Frontiers in Pediatrics</i> , 2018, 6, 370.	0.9	12
59	Hypoxia and Inflammation in Prostate Cancer Progression. Cross-talk with Androgen and Estrogen Receptors and Cancer Stem Cells. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2017, 16, 235-248.	0.6	11
60	Gene and protein expression of CXCR4 in adult and elderly patients with chronic rhinitis, pharyngitis or sinusitis undergoing thermal water nasal inhalations. <i>Immunity and Ageing</i> , 2018, 15, 10.	1.8	10
61	Putative Receptors for Gravity Sensing in Mammalian Cells: The Effects of Microgravity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2028.	1.3	9
62	Molecular mechanisms of cardioprotective effects mediated by transplanted cardiac ckit+ cells through the activation of an inflammatory hypoxia-dependent reparative response. <i>Oncotarget</i> , 2018, 9, 937-957.	0.8	9
63	The Protective Effect of a Unique Mix of Polyphenols and Micronutrients against Neurodegeneration Induced by an In Vitro Model of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3110.	1.8	6
64	p27kip1 overexpression promotes paclitaxel-induced apoptosis in pRb-defective SaOs-2 cells. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1645-1652.	1.2	5
65	Arrestin1/miR-326 Transcription Unit Is Epigenetically Regulated in Neural Stem Cells Where It Controls Stemness and Growth Arrest. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	5
66	Insulin-like growth factor-1 inhibits STS-induced cell death and increases functional recovery of in vitro differentiated neurons. <i>Cell Cycle</i> , 2008, 7, 3869-3877.	1.3	4
67	Effects of medium calcium, and agents affecting cytoskeletal function, on cellular volume and morphology in liver tissue in vitro. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1915-1925.	1.2	4
68	GO Nanosheets: Promising Nano Carrier for the S29,		

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73	Assembled IgG Molecules Are Exported from the Endoplasmic Reticulum in Myeloma Cells Despite the Retention Signal Sekdel. <i>Biochemical and Biophysical Research Communications</i> , 1998, 246, 518-523.	1.0	0