Marco Tafani

List of Publications by Year
in descending order

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73 papers	12,064 citations	117625 34 h-index	79698 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). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	The Overexpression of Bax Produces Cell Death upon Induction of the Mitochondrial Permeability Transition. Journal of Biological Chemistry, 1998, 273, 7770-7775.	3.4	514
4	Functional Consequences of the Sustained or Transient Activation by Bax of the Mitochondrial Permeability Transition Pore. Journal of Biological Chemistry, 1999, 274, 31734-31739.	3.4	266
5	The Course of Etoposide-induced Apoptosis from Damage to DNA and p53 Activation to Mitochondrial Release of Cytochromec. Journal of Biological Chemistry, 2002, 277, 16547-16552.	3.4	258
6	The Interplay of Reactive Oxygen Species, Hypoxia, Inflammation, and Sirtuins in Cancer Initiation and Progression. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-18.	4.0	245
7	SIRT5 regulation of ammonia-induced autophagy and mitophagy. Autophagy, 2015, 11, 253-270.	9.1	223
8	Hypoxia-inducible factor 1-dependent expression of platelet-derived growth factor B promotes lymphatic metastasis of hypoxic breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2707-16.	7.1	180
9	Redox State of Single Chain Fv Fragments Targeted to the Endoplasmic Reticulum, Cytosol and Mitochondria. Bio/technology, 1995, 13, 1110-1115.	1.5	170
10	Kaempferol induces apoptosis in two different cell lines via Akt inactivation, Bax and SIRT3 activation, and mitochondrial dysfunction. Journal of Cellular Biochemistry, 2009, 106, 643-650.	2.6	155
11	Hypoxia-increased RAGE and P2X7R expression regulates tumor cell invasion through phosphorylation of Erk1/2 and Akt and nuclear translocation of NF-Ï°B. Carcinogenesis, 2011, 32, 1167-1175.	2.8	148
12	Tumor Necrosis Factor Induces Phosphorylation and Translocation of BAD through a Phosphatidylinositide-3-OH Kinase-dependent Pathway. Journal of Biological Chemistry, 1999, 274, 19411-19416.	3.4	125
13	Regulation of Intracellular pH Mediates Bax Activation in HeLa Cells Treated with Staurosporine or Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2002, 277, 49569-49576.	3.4	115
14	Cytochrome c Release upon Fas Receptor Activation Depends on Translocation of Full-length Bid and the Induction of the Mitochondrial Permeability Transition. Journal of Biological Chemistry, 2002, 277, 10073-10082.	3.4	107
15	Pro-inflammatory gene expression in solid glioblastoma microenvironment and in hypoxic stem cells from human glioblastoma. Journal of Neuroinflammation, 2011, 8, 32.	7.2	102
16	Cytochrome c-Dependent Activation of Caspase-3 by Tumor Necrosis Factor Requires Induction of the Mitochondrial Permeability Transition. American Journal of Pathology, 2000, 156, 2111-2121.	3.8	83
17	Modulators of HIF1Î± and NFkB in Cancer Treatment: Is it a Rational Approach for Controlling Malignant Progression?. Frontiers in Pharmacology, 2013, 4, 13.	3.5	79
18	Sirtuins: the molecular basis of beneficial effects of physical activity. Internal and Emergency Medicine, 2013, 8, 23-25.	2.0	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. Journal of Medicinal Chemistry, 2016, 59, 1471-1491.	6.4	60
20	Sirtuins' control of autophagy and mitophagy in cancer. , 2021, 221, 107748.		58
21	Upâ€regulation of proâ€inflammatory genes as adaptation to hypoxia in MCFâ€7 cells and in human mammary invasive carcinoma microenvironment. Cancer Science, 2010, 101, 1014-1023.	3.9	57
22	Role of hypoxia and autophagy in MDAâ€MBâ€231 invasiveness. Journal of Cellular Physiology, 2010, 223, 359-368.	4.1	52
23	Upâ€regulation of the inflammatoryâ€reparative phenotype in human prostate carcinoma. Prostate, 2009, 69, 1245-1255.	2.3	50
24	SIRT1 silencing confers neuroprotection through IGFâ€1 pathway activation. Journal of Cellular Physiology, 2013, 228, 1754-1761.	4.1	50
25	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. Gastroenterology, 2021, 161, 1584-1600.	1.3	50
26	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. Oncotarget, 2017, 8, 68557-68570.	1.8	49
27	Seleniumâ€and zincâ€deficient cardiomyopathy in human intestinal malabsorption: preliminary results of selenium/zinc infusion. European Journal of Heart Failure, 2012, 14, 202-210.	7.1	47
28	Increased oxidative stress contributes to cardiomyocyte dysfunction and death in patients with Fabry disease cardiomyopathy. Human Pathology, 2015, 46, 1760-1768.	2.0	46
29	The course of etoposide-induced apoptosis in Jurkat cells lacking p53 and Bax. Journal of Cellular Physiology, 2006, 208, 55-63.	4.1	45
30	Overexpression of estrogen receptorâ€Î± in human papillary thyroid carcinomas studied by laserâ€capture microdissection and molecular biology. Cancer Science, 2011, 102, 1921-1927.	3.9	43
31	Bridging hypoxia, inflammation and estrogen receptors in thyroid cancer progression. Biomedicine and Pharmacotherapy, 2014, 68, 1-5.	5.6	43
32	Involvement of FOXO Transcription Factors, TRAIL-FasL/Fas, and Sirtuin Proteins Family in Canine Coronavirus Type II-Induced Apoptosis. PLoS ONE, 2011, 6, e27313.	2.5	41
33	SIRT1â€SIRT3 Axis Regulates Cellular Response to Oxidative Stress and Etoposide. Journal of Cellular Physiology, 2017, 232, 1835-1844.	4.1	39
34	Hypoxia, Inflammation and Necrosis as Determinants of Glioblastoma Cancer Stem Cells Progression. International Journal of Molecular Sciences, 2020, 21, 2660.	4.1	39
35	Paclitaxel Induces Apoptosis in Saos-2 Cells with CD95L Upregulation and Bcl-2 Phosphorylation. Experimental Cell Research, 1999, 252, 134-143.	2.6	37
36	Antioxidant modulation of sirtuin 3 during acute inflammatory pain: The ROS control. Pharmacological Research, 2020, 157, 104851.	7.1	35

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37	Graphene Oxide Nanoribbons Induce Autophagic Vacuoles in Neuroblastoma Cell Lines. International Journal of Molecular Sciences, 2016, 17, 1995.	4.1	34
38	2,3,7,8-Tetrachlorodibenzo-p-dioxin regulates Bovine Herpesvirus type 1 induced apoptosis by modulating Bcl-2 family members. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 1243-1252.	4.9	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. BMC Physiology, 2010, 10, 7.	3.6	32
40	Mitophagy and Oxidative Stress in Cancer and Aging: Focus on Sirtuins and Nanomaterials. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19.	4.0	32
41	Development of the terminally differentiated state sensitizes epiphyseal chondrocytes to apoptosis through caspaseâ€3 activation. Journal of Cellular Physiology, 2007, 210, 609-615.	4.1	30
42	Induction of autophagic cell death by a novel molecule Is increased by hypoxia. Autophagy, 2008, 4, 1042-1053.	9.1	28
43	Metformin Impairs Glutamine Metabolism and Autophagy in Tumour Cells. Cells, 2019, 8, 49.	4.1	28
44	Natural Antioxidant Control of Neuropathic Painâ€"Exploring the Role of Mitochondrial SIRT3 Pathway. Antioxidants, 2020, 9, 1103.	5.1	26
45	ERKâ€1 MAP kinase prevents TNFâ€induced apoptosis through bad phosphorylation and inhibition of Bax translocation in HeLa Cells. Journal of Cellular Biochemistry, 2009, 108, 1166-1174.	2.6	25
46	Phenotypic transitions enacted by simulated microgravity do not alter coherence in gene transcription profile. Npj Microgravity, 2019, 5, 27.	3.7	25
47	Sirtuins and Resveratrol-Derived Compounds: A Model for Understanding the Beneficial Effects of the Mediterranean Diet. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2014, 14, 300-308.	1.2	24
48	From Human Megakaryocytes to Platelets: Effects of Aspirin on High-Mobility Group Box 1/Receptor for Advanced Glycation End Products Axis. Frontiers in Immunology, 2017, 8, 1946.	4.8	18
49	One Special Question to Start with: Can HIF/NFkB be a Target in Inflammation?. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2015, 15, 171-185.	1.2	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. Journal of Cellular Physiology, 2006, 208, 556-565.	4.1	16
51	Nanomaterials for Autophagy-Related miRNA-34a Delivery in Cancer Treatment. Frontiers in Pharmacology, 2020, 11, 1141.	3.5	16
52	SIRT5 Inhibition Induces Brown Fat-Like Phenotype in 3T3-L1 Preadipocytes. Cells, 2021, 10, 1126.	4.1	16
53	2,3,7,8â€Tetrachlorodibenzoâ€pâ€dioxin modifies expression and nuclear/cytosolic localization of bovine herpesvirus 1 immediateâ€early protein (bICP0) during infection. Journal of Cellular Biochemistry, 2010, 111, 333-342.	2.6	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. Journal of Cellular Physiology, 2008, 217, 442-449.	4.1	14

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55	EZH2, HIF-1, and Their Inhibitors: An Overview on Pediatric Cancers. Frontiers in Pediatrics, 2018, 6, 328.	1.9	14
56	Overexpression of pro-inflammatory genes and down-regulation of SOCS-1 in human PTC and in hypoxic BCPAP cells. Biomedicine and Pharmacotherapy, 2013, 67, 7-16.	5.6	13
57	Pyrazole-based inhibitors of enhancer of zeste homologue 2 induce apoptosis and autophagy in cancer cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170150.	4.0	13
58	Application of Small Epigenetic Modulators in Pediatric Medulloblastoma. Frontiers in Pediatrics, 2018, 6, 370.	1.9	12
59	Hypoxia and Inflammation in Prostate Cancer Progression. Cross-talk with Androgen and Estrogen Receptors and Cancer Stem Cells. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2017, 16, 235-248.	1.2	11
60	Gene and protein expression of CXCR4 in adult and elderly patients with chronic rhinitis, pharyngitis or sinusitis undergoing thermal water nasal inhalations. Immunity and Ageing, 2018, 15, 10.	4.2	10
61	Putative Receptors for Gravity Sensing in Mammalian Cells: The Effects of Microgravity. Applied Sciences (Switzerland), 2020, 10, 2028.	2.5	9
62	Molecular mechanisms of cardioprotective effects mediated by transplanted cardiac ckit+ cells through the activation of an inflammatory hypoxia-dependent reparative response. Oncotarget, 2018, 9, 937-957.	1.8	9
63	The Protective Effect of a Unique Mix of Polyphenols and Micronutrients against Neurodegeneration Induced by an In Vitro Model of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2022, 23, 3110.	4.1	6
64	p27kip1 overexpression promotes paclitaxel-induced apoptosis in pRb-defective SaOs-2 cells. Journal of Cellular Biochemistry, 2006, 98, 1645-1652.	2.6	5
65	Î²-Arrestin1/miR-326 Transcription Unit Is Epigenetically Regulated in Neural Stem Cells Where It Controls Stemness and Growth Arrest. Stem Cells International, 2017, 2017, 1-11.	2.5	5
66	Insulin-like growth factor-1 inhibits STS-induced cell death and increases functional recovery of in vitro differentiated neurons. Cell Cycle, 2008, 7, 3869-3877.	2.6	4
67	Effects of medium calcium, and agents affecting cytoskeletal function, on cellular volume and morphology in liver tissue in vitro. Journal of Cellular Biochemistry, 2012, 113, 1915-1925.	2.6	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. Biochemical and Biophysical Research Communications, 1998, 246, 518-523.	2.1	0