Flavio Flamigni

List of Publications by Year
in descending order

42 papers	1,365 citations	257450 24 h-index	345221 36 g-index

42 all docs	42 docs citations	42 times ranked	1827 citing authors

#	Article	IF	Citations
1	Spermine causes caspase activation in leukaemia cells. FEBS Letters, 1998, 437, 233-236.	2.8	94
2	mTOR, AMPK, and Sirt1: Key Players in Metabolic Stress Management. Critical Reviews in Eukaryotic Gene Expression, 2015, 25, 59-75.	0.9	82
3	Differential requirements for IKKÎ± and IKKÎ²2 in the differentiation of primary human osteoarthritic chondrocytes. Arthritis and Rheumatism, 2008, 58, 227-239.	6.7	71
4	Emerging Players at the Intersection of Chondrocyte Loss of Maturational Arrest, Oxidative Stress, Senescence and Low-Grade Inflammation in Osteoarthritis. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-17.	4.0	70
5	Spermine triggers the activation of caspase-3 in a cell-free model of apoptosis. FEBS Letters, 1999, 451, 95-98.	2.8	67
6	Caspase activation in etoposide-treated fibroblasts is correlated to ERK phosphorylation and both events are blocked by polyamine depletion. FEBS Letters, 2002, 527, 223-228.	2.8	61
7	Involvement of polyamines in apoptosis of cardiac myoblasts in a model of simulated ischemia. Journal of Molecular and Cellular Cardiology, 2006, 40, 775-782.	1.9	59
8	Hydroxytyrosol prevents chondrocyte death under oxidative stress by inducing autophagy through sirtuin 1-dependent and -independent mechanisms. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1181-1191.	2.4	59
9	Chondrocyte hypertrophy and apoptosis induced by GROÎ± require three-dimensional interaction with the extracellular matrix and a co-receptor role of chondroitin sulfate and are associated with the mitochondrial splicing variant of cathepsin B. Journal of Cellular Physiology, 2007, 210, 417-427.	4.1	50
10	Matrix metalloproteinase 13 loss associated with impaired extracellular matrix remodeling disrupts chondrocyte differentiation by concerted effects on multiple regulatory factors. Arthritis and Rheumatism, 2010, 62, 2370-2381.	6.7	49
11	Hydroxytyrosol modulates the levels of microRNA-9 and its target sirtuin-1 thereby counteracting oxidative stress-induced chondrocyte death. Osteoarthritis and Cartilage, 2017, 25, 600-610.	1.3	46
12	Effect of polyamine depletion on caspase activation: a study with spermine synthase-deficient cells. Biochemical Journal, 2001, 355, 199-206.	3.7	42
13	Spermidine rescues the deregulated autophagic response to oxidative stress of osteoarthritic chondrocytes. Free Radical Biology and Medicine, 2020, 153, 159-172.	2.9	40
14	IKKÎ±/CHUK Regulates Extracellular Matrix Remodeling Independent of Its Kinase Activity to Facilitate Articular Chondrocyte Differentiation. PLoS ONE, 2013, 8, e73024.	2.5	39
15	p44/42 mitogen-activated protein kinase is involved in the expression of ornithine decarboxylase in leukaemia L1210 cells. Biochemical Journal, 1999, 341, 363-369.	3.7	36
16	Sulforaphane protects human chondrocytes against cell death induced by various stimuli. Journal of Cellular Physiology, 2011, 226, 1771-1779.	4.1	36
17	Hydroxytyrosol Prevents Increase of Osteoarthritis Markers in Human Chondrocytes Treated with Hydrogen Peroxide or Growth-Related Oncogene Î±. PLoS ONE, 2014, 9, e109724.	2.5	34
18	Polyamine depletion inhibits apoptosis following blocking of survival pathways in human chondrocytes stimulated by tumor necrosis factor-Î±. Journal of Cellular Physiology, 2006, 206, 138-146.	4.1	32

#	Article	IF	Citations
19	MicroRNAs and Autophagy: Fine Players in the Control of Chondrocyte Homeostatic Activities in Osteoarthritis. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-16.	4.0	32
20	Nutrients and Pathways that Regulate Health Span and Life Span. Geriatrics (Switzerland), 2020, 5, 95.	1.7	32
21	Effect of polyamine depletion on caspase activation: a study with spermine synthase-deficient cells. Biochemical Journal, 2001, 355, 199.	3.7	32
22	Nutraceutical Activity in Osteoarthritis Biology: A Focus on the Nutrigenomic Role. Cells, 2020, 9, 1232.	4.1	29
23	Antiapoptotic and Antiautophagic Effects of Eicosapentaenoic Acid in Cardiac Myoblasts Exposed to Palmitic Acid. Nutrients, 2012, 4, 78-90.	4.1	28
24	NF-Î^oB and ERK cooperate to stimulate DNA synthesis by inducing ornithine decarboxylase and nitric oxide synthase in cardiomyocytes treated with TNF and LPS. FEBS Letters, 2002, 512, 75-79.	2.8	25
25	Signaling pathways leading to the induction of ornithine decarboxylase: Opposite effects of p44/42 mitogen-activated protein kinase (MAPK) and p38 MAPK inhibitors. Biochemical Pharmacology, 2001, 61, 25-32.	4.4	23
26	Polyamine depletion inhibits NF-Î^oB binding to DNA and interleukin-8 production in human chondrocytes stimulated by tumor necrosis factor-Î±. Journal of Cellular Physiology, 2005, 204, 956-963.	4.1	23
27	Enhanced Osteoblastogenesis of Adipose-Derived Stem Cells on Spermine Delivery via Î²-Catenin Activation. Stem Cells and Development, 2013, 22, 1588-1601.	2.1	22
28	Polyamine delivery as a tool to modulate stem cell differentiation in skeletal tissue engineering. Amino Acids, 2014, 46, 717-728.	2.7	16
29	Cytotoxicity of methoctramine and methoctramine-related polyamines. Chemico-Biological Interactions, 2009, 181, 409-416.	4.0	15
30	The polyamine analogue N¹,N¹¹â€diethylnorspermine can induce chondrocyte apoptosis independently of its ability to alter metabolism and levels of natural polyamines. Journal of Cellular Physiology, 2009, 219, 109-116.	4.1	15
31	Effect of Green Tea Extract on the Induction of Ornithine Decarboxylase and the Activation of Extracellular Signal-Regulated Kinase in Bladder Carcinoma ECV304 Cells. Nutrition and Cancer, 2003, 47, 104-111.	2.0	13
32	A pro-survival effect of polyamine depletion on norepinephrine-mediated apoptosis in cardiac cells: role of signaling enzymes. Amino Acids, 2011, 40, 1127-1137.	2.7	13
33	Inhibitory activity of aqueous extracts from Anabaena minutissima, Ecklonia maxima and Jania adhaerens on the cucumber powdery mildew pathogen in vitro and in vivo. Journal of Applied Phycology, 2020, 32, 3363-3375.	2.8	13
34	Induction of ornithine decarboxylase in T/C-28a2 chondrocytes by lysophosphatidic acid: Signaling pathway and inhibition of cell proliferation. FEBS Letters, 2005, 579, 2919-2925.	2.8	11
35	Effect of oxidative stress and 3â€hydroxytyrosol on DNA methylation levels of miRâ€9 promoters. Journal of Cellular and Molecular Medicine, 2019, 23, 7885-7889.	3.6	10
36	Ornithine decarboxylase and ornithine decarboxylase-inhibiting activity in rat thymocytes. Cell Biochemistry and Function, 1992, 10, 243-250.	2.9	9

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37	Soft TCPTP Agonismâ€"Novel Target to Rescue Airway Epithelial Integrity by Exogenous Spermidine. Frontiers in Pharmacology, 2016, 7, 147.	3.5	9
38	Polyamine supplementation reduces DNA damage in adipose stem cells cultured in 3-D. Scientific Reports, 2019, 9, 14269.	3.3	9
39	Pleiotropic Roles of NOTCH1 Signaling in the Loss of Maturational Arrest of Human Osteoarthritic Chondrocytes. International Journal of Molecular Sciences, 2021, 22, 12012.	4.1	7
40	Effect of the polyamine analogue N¹,N¹¹â€diethylnorspermine on cell survival and susceptibility to apoptosis of human chondrocytes. Journal of Cellular Physiology, 2008, 216, 153-161.	4.1	6
41	â€œSpermidine restores dysregulated autophagy and polyamine synthesis in aged and osteoarthritic chondrocytes via EP300â€. Experimental and Molecular Medicine, 2019, 51, 1-2.	7.7	4
42	Modulation of Fatty Acid-Related Genes in the Response of H9c2 Cardiac Cells to Palmitate and n-3 Polyunsaturated Fatty Acids. Cells, 2020, 9, 537.	4.1	2