

Rosa Maria Borzani

List of Publications by Year in descending order

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66
papers

3,563
citations

186265

28
h-index

155660

55
g-index

68
all docs

68
docs citations

68
times ranked

4689
citing authors

#	ARTICLE	IF	CITATIONS
1	NF- κ B Signaling: Multiple Angles to Target OA. <i>Current Drug Targets</i> , 2010, 11, 599-613.	2.1	478
2	Biomaterials: Foreign Bodies or Tuners for the Immune Response?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 636.	4.1	426
3	Roles of inflammatory and anabolic cytokines in cartilage metabolism: signals and multiple effectors converge upon MMP-13 regulation in osteoarthritis. , 2011, 21, 202-220.		386
4	Enhanced and coordinated in vivo expression of inflammatory cytokines and nitric oxide synthase by chondrocytes from patients with osteoarthritis. <i>Arthritis and Rheumatism</i> , 1998, 41, 2165-2174.	6.7	243
5	p16INK4a and its regulator miR-24 link senescence and chondrocyte terminal differentiation-associated matrix remodeling in osteoarthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, R58.	3.5	175
6	Human chondrocytes express functional chemokine receptors and release matrix-degrading enzymes in response to C-X-C and C-C chemokines. <i>Arthritis and Rheumatism</i> , 2000, 43, 1734-1741.	6.7	142
7	Flow cytometric analysis of intracellular chemokines in chondrocytes in vivo: constitutive expression and enhancement in osteoarthritis and rheumatoid arthritis. <i>FEBS Letters</i> , 1999, 455, 238-242.	2.8	89
8	mTOR, AMPK, and Sirt1: Key Players in Metabolic Stress Management. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2015, 25, 59-75.	0.9	82
9	Chemokines in Cartilage Degradation. <i>Clinical Orthopaedics and Related Research</i> , 2004, 427, S53-S61.	1.5	76
10	Molecular Mechanisms Contributing to Mesenchymal Stromal Cell Aging. <i>Biomolecules</i> , 2020, 10, 340.	4.0	74
11	Differential requirements for IKK α and IKK β in the differentiation of primary human osteoarthritic chondrocytes. <i>Arthritis and Rheumatism</i> , 2008, 58, 227-239.	6.7	71
12	Emerging Players at the Intersection of Chondrocyte Loss of Maturational Arrest, Oxidative Stress, Senescence and Low-Grade Inflammation in Osteoarthritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	4.0	70
13	A role for chemokines in the induction of chondrocyte phenotype modulation. <i>Arthritis and Rheumatism</i> , 2004, 50, 112-122.	6.7	67
14	Hydroxytyrosol prevents chondrocyte death under oxidative stress by inducing autophagy through sirtuin 1-dependent and -independent mechanisms. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1181-1191.	2.4	59
15	Human Osteoarthritic Cartilage Shows Reduced In Vivo Expression of IL-4, a Chondroprotective Cytokine that Differentially Modulates IL-1 β -Stimulated Production of Chemokines and Matrix-Degrading Enzymes In Vitro. <i>PLoS ONE</i> , 2014, 9, e96925.	2.5	55
16	Chondrocyte hypertrophy and apoptosis induced by GRO α 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. <i>Journal of Cellular Physiology</i> , 2007, 210, 417-427.	4.1	50
17	Matrix metalloproteinase 13 loss associated with impaired extracellular matrix remodeling disrupts chondrocyte differentiation by concerted effects on multiple regulatory factors. <i>Arthritis and Rheumatism</i> , 2010, 62, 2370-2381.	6.7	49
18	Hydroxytyrosol modulates the levels of microRNA-9 and its target sirtuin-1 thereby counteracting oxidative stress-induced chondrocyte death. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 600-610.	1.3	46

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19	Serum copper/zinc superoxide dismutase levels in patients with rheumatoid arthritis. <i>International Journal of Clinical and Laboratory Research</i> , 1996, 26, 245-249.	1.0	41
20	Spermidine rescues the deregulated autophagic response to oxidative stress of osteoarthritic chondrocytes. <i>Free Radical Biology and Medicine</i> , 2020, 153, 159-172.	2.9	40
21	IKK β /CHUK Regulates Extracellular Matrix Remodeling Independent of Its Kinase Activity to Facilitate Articular Chondrocyte Differentiation. <i>PLoS ONE</i> , 2013, 8, e73024.	2.5	39
22	Growth-related oncogene β induction of apoptosis in osteoarthritis chondrocytes. <i>Arthritis and Rheumatism</i> , 2002, 46, 3201-3211.	6.7	38
23	Sustained NF κ B activation produces a short-term cell proliferation block in conjunction with repressing effectors of cell cycle progression controlled by E2F or FoxM1. <i>Journal of Cellular Physiology</i> , 2009, 218, 215-227.	4.1	37
24	Sulforaphane protects human chondrocytes against cell death induced by various stimuli. <i>Journal of Cellular Physiology</i> , 2011, 226, 1771-1779.	4.1	36
25	Hydroxytyrosol Prevents Increase of Osteoarthritis Markers in Human Chondrocytes Treated with Hydrogen Peroxide or Growth-Related Oncogene β . <i>PLoS ONE</i> , 2014, 9, e109724.	2.5	34
26	Polyamine depletion inhibits apoptosis following blocking of survival pathways in human chondrocytes stimulated by tumor necrosis factor- α . <i>Journal of Cellular Physiology</i> , 2006, 206, 138-146.	4.1	32
27	Lithium Chloride Dependent Glycogen Synthase Kinase 3 Inactivation Links Oxidative DNA Damage, Hypertrophy and Senescence in Human Articular Chondrocytes and Reproduces Chondrocyte Phenotype of Obese Osteoarthritis Patients. <i>PLoS ONE</i> , 2015, 10, e0143865.	2.5	32
28	MicroRNAs and Autophagy: Fine Players in the Control of Chondrocyte Homeostatic Activities in Osteoarthritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-16.	4.0	32
29	Nutraceutical Activity in Osteoarthritis Biology: A Focus on the Nutrigenomic Role. <i>Cells</i> , 2020, 9, 1232.	4.1	29
30	Polyamine biosynthesis as a target to inhibit apoptosis of non-tumoral cells. <i>Amino Acids</i> , 2007, 33, 197-202.	2.7	28
31	Glycogen Synthase Kinase-3 β Inhibition Links Mitochondrial Dysfunction, Extracellular Matrix Remodelling and Terminal Differentiation in Chondrocytes. <i>Scientific Reports</i> , 2017, 7, 12059.	3.3	27
32	Autoantibodies to Poly(ADP-Ribose)Polymerase in Autoimmune Diseases. <i>Autoimmunity</i> , 1990, 6, 203-209.	2.6	26
33	Cell and matrix morpho-functional analysis in chondrocyte micromasses. <i>Microscopy Research and Technique</i> , 2005, 67, 286-295.	2.2	26
34	Cell death in human articular chondrocyte: a morpho-functional study in micromass model. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 1471-1483.	4.9	26
35	Small Extracellular Vesicles from adipose derived stromal cells significantly attenuate in vitro the NF κ B dependent inflammatory/catabolic environment of osteoarthritis. <i>Scientific Reports</i> , 2021, 11, 1053.	3.3	26
36	A fluorescent in situ hybridization method in flow cytometry to detect HIV-1 specific RNA. <i>Journal of Immunological Methods</i> , 1996, 193, 167-176.	1.4	24

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37	Chondroprotective activity of N-acetyl phenylalanine glucosamine derivative on knee joint structure and inflammation in a murine model of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 589-599.	1.3	24
38	Elevated Serum Superoxide Dismutase Levels Correlate with Disease Severity and Neutrophil Degranulation in Idiopathic Pulmonary Fibrosis. <i>Clinical Science</i> , 1993, 85, 353-359.	4.3	23
39	Polyamine depletion inhibits NF- κ B binding to DNA and interleukin-8 production in human chondrocytes stimulated by tumor necrosis factor- α . <i>Journal of Cellular Physiology</i> , 2005, 204, 956-963.	4.1	23
40	Mapping of topoisomerase II β epitopes recognized by autoantibodies in idiopathic pulmonary fibrosis. <i>Clinical and Experimental Immunology</i> , 1998, 114, 339-346.	2.6	22
41	Enhanced Osteoblastogenesis of Adipose-Derived Stem Cells on Spermine Delivery via β -Catenin Activation. <i>Stem Cells and Development</i> , 2013, 22, 1588-1601.	2.1	22
42	Role of polyamines in hypertrophy and terminal differentiation of osteoarthritic chondrocytes. <i>Amino Acids</i> , 2012, 42, 667-678.	2.7	21
43	Idiopathic pulmonary fibrosis: can cell mediated immunity markers predict clinical outcome?. <i>Thorax</i> , 1990, 45, 536-540.	5.6	18
44	IgG subclass distribution of anti-HBs antibodies following vaccination with cDNA HBsAg. <i>Journal of Immunological Methods</i> , 1992, 146, 17-23.	1.4	17
45	Polyamine delivery as a tool to modulate stem cell differentiation in skeletal tissue engineering. <i>Amino Acids</i> , 2014, 46, 717-728.	2.7	16
46	PKC δ is a regulator of hypertrophic differentiation of chondrocytes in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1451-1460.	1.3	16
47	The polyamine analogue N^{11} -diethylnorspermine can induce chondrocyte apoptosis independently of its ability to alter metabolism and levels of natural polyamines. <i>Journal of Cellular Physiology</i> , 2009, 219, 109-116.	4.1	15
48	Antibodies to topoisomerase II in idiopathic pulmonary fibrosis. <i>Clinical Rheumatology</i> , 1993, 12, 311-315.	2.2	13
49	Down-modulation of chemokine receptor cartilage expression in inflammatory arthritis. <i>British Journal of Rheumatology</i> , 2003, 42, 14-18.	2.3	13
50	Intracellular Cu/Zn superoxide dismutase levels in T and non-T cells from normal aged subjects. <i>Mechanisms of Ageing and Development</i> , 1994, 73, 27-37.	4.6	12
51	The N-Acetyl Phenylalanine Glucosamine Derivative Attenuates the Inflammatory/Catabolic Environment in a Chondrocyte-Synoviocyte Co-Culture System. <i>Scientific Reports</i> , 2019, 9, 13603.	3.3	12
52	Induction of ornithine decarboxylase in T/C-28a2 chondrocytes by lysophosphatidic acid: Signaling pathway and inhibition of cell proliferation. <i>FEBS Letters</i> , 2005, 579, 2919-2925.	2.8	11
53	Effect of oxidative stress and 3-hydroxytyrosol on DNA methylation levels of miR-9 promoters. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7885-7889.	3.6	10
54	Oxidative stress-induced DNA damage and repair in primary human osteoarthritis chondrocytes: focus on IKK β and the DNA Mismatch Repair System. <i>Free Radical Biology and Medicine</i> , 2021, 166, 212-225.	2.9	10

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55	Intracellular nucleotides of lymphocytes and granulocytes from normal ageing subjects. Mechanisms of Ageing and Development, 1992, 64, 1-11.	4.6	9
56	Soft TCPTP Agonism—Novel Target to Rescue Airway Epithelial Integrity by Exogenous Spermidine. Frontiers in Pharmacology, 2016, 7, 147.	3.5	9
57	Polyamine supplementation reduces DNA damage in adipose stem cells cultured in 3-D. Scientific Reports, 2019, 9, 14269.	3.3	9
58	Pleiotropic Roles of NOTCH1 Signaling in the Loss of Maturation Arrest of Human Osteoarthritic Chondrocytes. International Journal of Molecular Sciences, 2021, 22, 12012.	4.1	7
59	Effect of the polyamine analogue <i>N</i> ¹ , <i>N</i> ¹¹ -diethylnorspermine on cell survival and susceptibility to apoptosis of human chondrocytes. Journal of Cellular Physiology, 2008, 216, 153-161.	4.1	6
60	Comparison of different methods for the detection of autoantibodies in autoimmune diseases. International Journal of Clinical and Laboratory Research, 1995, 25, 205-210.	1.0	4
61	—Spermidine restores dysregulated autophagy and polyamine synthesis in aged and osteoarthritic chondrocytes via EP300. Experimental and Molecular Medicine, 2019, 51, 1-2.	7.7	4
62	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
63	Basal and IL-1 ^β enhanced chondrocyte chemotactic activity on monocytes are co-dependent on both IKK ^α and IKK ^β NF- κ B activating kinases. Scientific Reports, 2021, 11, 21697.	3.3	2
64	Superoxide Dismutases in Idiopathic Pulmonary Fibrosis. Clinical Science, 1995, 88, 371-371.	4.3	1
65	Production of the chemokine RANTES by articular chondrocytes and its role in cartilage degradation: Comment on the article by Alaaeddine et al. Arthritis and Rheumatism, 2003, 48, 278-278.	6.7	1
66	Detection of Circulating Autoantibodies to Poly(ADP-Ribose)Polymerase in Autoimmune Diseases. Annals of the New York Academy of Sciences, 1992, 663, 508-509.	3.8	0