Nicola Alessio

List of Publications by Year
in descending order

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52	1,745	257101 24	288905 40
papers	citations	h-index	g-index

57	57	57	2783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unbiased analysis of senescence associated secretory phenotype (SASP) to identify common components following different genotoxic stresses. Aging, 2016, 8, 1316-1329.	1.4	199
2	Insulin-like growth factor binding proteins 4 and 7 released by senescent cells promote premature senescence in mesenchymal stem cells. Cell Death and Disease, 2013, 4, e911-e911.	2.7	158
3	Low dose radiation induced senescence of human mesenchymal stromal cells and impaired the autophagy process. Oncotarget, 2015, 6, 8155-8166.	0.8	106
4	Intra-brain microinjection of human mesenchymal stem cells decreases allodynia in neuropathic mice. Cellular and Molecular Life Sciences, 2010, 67, 655-669.	2.4	91
5	Changes in autophagy, proteasome activity and metabolism to determine a specific signature for acute and chronic senescent mesenchymal stromal cells. Oncotarget, 2015, 6, 39457-39468.	0.8	89
6	In Vitro Senescence of Rat Mesenchymal Stem Cells is Accompanied by Downregulation of Stemness-Related and DNA Damage Repair Genes. Stem Cells and Development, 2009, 18, 1033-1042.	1.1	72
7	Stress and stem cells: adult Muse cells tolerate extensive genotoxic stimuli better than mesenchymal stromal cells. Oncotarget, 2018, 9, 19328-19341.	0.8	57
8	The secretome of MUSE cells contains factors that may play a role in regulation of stemness, apoptosis and immunomodulation. Cell Cycle, 2017, 16, 33-44.	1.3	55
9	Silencing of RB1 but not of RB2/P130 induces cellular senescence and impairs the differentiation potential of human mesenchymal stem cells. Cellular and Molecular Life Sciences, 2013, 70, 1637-1651.	2.4	53
10	The BRG1 ATPase of chromatin remodeling complexes is involved in modulation of mesenchymal stem cell senescence through RBâ€“P53 pathways. Oncogene, 2010, 29, 5452-5463.	2.6	45
11	Different Stages of Quiescence, Senescence, and Cell Stress Identified by Molecular Algorithm Based on the Expression of Ki67, RPS6, and Beta-Galactosidase Activity. International Journal of Molecular Sciences, 2021, 22, 3102.	1.8	41
12	Partial silencing of methyl cytosine protein binding 2 (MECP2) in mesenchymal stem cells induces senescence with an increase in damaged DNA. FASEB Journal, 2010, 24, 1593-1603.	0.2	37
13	Reduced expression ofMECP2affects cell commitment and maintenance in neurons by triggering senescence: new perspective for Rett syndrome. Molecular Biology of the Cell, 2012, 23, 1435-1445.	0.9	37
14	Mesenchymal stromal cells from amniotic fluid are less prone to senescence compared to those obtained from bone marrow: An in vitro study. Journal of Cellular Physiology, 2018, 233, 8996-9006.	2.0	37
15	The senescence-associated secretory phenotype (SASP) from mesenchymal stromal cells impairs growth of immortalized prostate cells but has no effect on metastatic prostatic cancer cells. Aging, 2019, 11, 5817-5828.	1.4	34
16	Positively charged polymers modulate the fate of human mesenchymal stromal cells via ephrinB2/EphB4 signaling. Stem Cell Research, 2016, 17, 248-255.	0.3	33
17	Myeloma cells can corrupt senescent mesenchymal stromal cells and impair their anti-tumor activity. Oncotarget, 2015, 6, 39482-39492.	0.8	32
18	Misidentified Human Gene Functions with Mouse Models: The Case of the Retinoblastoma Gene Family in Senescence. Neoplasia, 2017, 19, 781-790.	2.3	32

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19	De-regulated expression of the BRG1 chromatin remodeling factor in bone marrow mesenchymal stromal cells induces senescence associated with the silencing of NANOG and changes in the levels of chromatin proteins. Cell Cycle, 2015, 14, 1315-1326.	1.3	31
20	Obesity is associated with senescence of mesenchymal stromal cells derived from bone marrow, subcutaneous and visceral fat of young mice. Aging, 2020, 12, 12609-12621.	1.4	31
21	Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors. European Journal of Medicinal Chemistry, 2019, 180, 637-647.	2.6	27
22	Genes involved in regulation of stem cell properties: studies on their expression in a small cohort of neuroblastoma patients. Cancer Biology and Therapy, 2009, 8, 1300-1306.	1.5	26
23	Impact of histone deacetylase inhibitors SAHA and MSâ€275 on DNA repair pathways in human mesenchymal stem cells. Journal of Cellular Physiology, 2010, 225, 537-544.	2.0	26
24	Alterations in the carnitine cycle in a mouse model of Rett syndrome. Scientific Reports, 2017, 7, 41824.	1.6	26
25	Hybrid complexes of high and low molecular weight hyaluronan delay in vitro replicative senescence of mesenchymal stromal cells: a pilot study for future therapeutic application. Aging, 2018, 10, 1575-1585.	1.4	22
26	Increase of circulating IGFBP-4 following genotoxic stress and its implication for senescence. ELife, 2020, 9, .	2.8	22
27	Evaluation of novel biomaterials for cartilage regeneration based on gelatin methacryloyl interpenetrated with extractive chondroitin sulfate or unsulfated biotechnological chondroitin. Journal of Biomedical Materials Research - Part A, 2022, 110, 1210-1223.	2.1	22
28	A comparative study on normal and obese mice indicates that the secretome of mesenchymal stromal cells is influenced by tissue environment and physiopathological conditions. Cell Communication and Signaling, 2020, 18, 118.	2.7	21
29	Vitamin D Deficiency Induces Chronic Pain and Microglial Phenotypic Changes in Mice. International Journal of Molecular Sciences, 2021, 22, 3604.	1.8	21
30	Silencing of RB1 and RB2/P130 during adipogenesis of bone marrow stromal cells results in dysregulated differentiation. Cell Cycle, 2014, 13, 482-490.	1.3	20
31	Neural stem cells from a mouse model of Rett syndrome are prone to senescence, show reduced capacity to cope with genotoxic stress, and are impaired in the differentiation process. Experimental and Molecular Medicine, 2018, 50, 1.	3.2	20
32	Mesenchymal stromal cells having inactivated RB1 survive following low irradiation and accumulate damaged DNA: Hints for side effects following radiotherapy. Cell Cycle, 2017, 16, 251-258.	1.3	19
33	Impact of lysosomal storage disorders on biology of mesenchymal stem cells: Evidences from in vitro silencing of glucocerebrosidase (GBA) and alphaâ€galactosidase A (GLA) enzymes. Journal of Cellular Physiology, 2017, 232, 3454-3467.	2.0	19
34	The Melanocortin MC5R as a New Target for Treatment of High Glucose-Induced Hypertrophy of the Cardiac H9c2 Cells. Frontiers in Physiology, 2018, 9, 1475.	1.3	19
35	Endothelial cells from umbilical cord of women affected by gestational diabetes: A suitable in vitro model to study mechanisms of early vascular senescence in diabetes. FASEB Journal, 2021, 35, e21662.	0.2	18
36	Timely Supplementation of Hydrogels Containing Sulfated or Unsulfated Chondroitin and Hyaluronic Acid Affects Mesenchymal Stromal Cells Commitment Toward Chondrogenic Differentiation. Frontiers in Cell and Developmental Biology, 2021, 9, 641529.	1.8	16

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37	Irradiation of Mesenchymal Stromal Cells With Low and High Doses of Alpha Particles Induces Senescence and/or Apoptosis. Journal of Cellular Biochemistry, 2017, 118, 2993-3002.	1.2	14
38	Resolvin D1 reduces mitochondrial damage to photoreceptors of primary retinal cells exposed to high glucose. Journal of Cellular Physiology, 2020, 235, 4256-4267.	2.0	13
39	Stem Cell-Derived Exosomes in Autism Spectrum Disorder. International Journal of Environmental Research and Public Health, 2020, 17, 944.	1.2	13
40	Senescence Phenomena and Metabolic Alteration in Mesenchymal Stromal Cells from a Mouse Model of Rett Syndrome. International Journal of Molecular Sciences, 2019, 20, 2508.	1.8	11
41	MUSE Stem Cells Can Be Isolated from Stromal Compartment of Mouse Bone Marrow, Adipose Tissue, and Ear Connective Tissue: A Comparative Study of Their In Vitro Properties. Cells, 2021, 10, 761.	1.8	11
42	Circulating factors present in the sera of naturally skinny people may influence cell commitment and adipocyte differentiation of mesenchymal stromal cells. World Journal of Stem Cells, 2019, 11, 180-195.	1.3	11
43	DNA damage and repair in a model of rat vascular injury. Clinical Science, 2010, 118, 473-485.	1.8	10
44	Stem Cells and DNA Repair Capacity: Muse Stem Cells Are Among the Best Performers. Advances in Experimental Medicine and Biology, 2018, 1103, 103-113.	0.8	10
45	Evaluation of Browning Agents on the White Adipogenesis of Bone Marrow Mesenchymal Stromal Cells: A Contribution to Fighting Obesity. Cells, 2021, 10, 403.	1.8	9
46	Biomolecular Evaluation of Piceatannolâ€™s Effects in Counteracting the Senescence of Mesenchymal Stromal Cells: A New Candidate for Senotherapeutics?. International Journal of Molecular Sciences, 2021, 22, 11619.	1.8	8
47	A rapid, safe, and quantitative in vitro assay for measurement of uracil-DNA glycosylase activity. Journal of Molecular Medicine, 2019, 97, 991-1001.	1.7	5
48	PEA-OXA ameliorates allodynia, neuropsychiatric and adipose tissue remodeling induced by social isolation. Neuropharmacology, 2022, 208, 108978.	2.0	4
49	Optimization of Peripheral Blood Mononuclear Cell Extraction from Small Volume of Blood Samples: Potential Implications for Children-Related Diseases. Methods and Protocols, 2022, 5, 20.	0.9	3
50	Low-Level Radiofrequency Exposure Does Not Induce Changes in MSC Biology: An in vitro Study for the Prevention of NIR-Related Damage . Stem Cells and Cloning: Advances and Applications, 2019, Volume 12, 49-59.	2.3	2
51	The remodeling of BRGI, the ATPase subunit of SWI/SNF complex, induces senescence in mesenchymal stem cells. Journal of Biological Research (Italy), 2010, 83, .	0.0	0
52	Filamin B and CD13 are components of senescent secretomes that may be involved in primary (stress) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	0