Nicola Alessio

List of Publications by Year in Descending Order

46 papers	1,192 citations	19 h-index	33 g-index
57 ext. papers	1,482 ext. citations	5.4 avg, IF	4.2 L-index

#	Paper	IF	Citations
46	PEA-OXA ameliorates allodynia, neuropsychiatric and adipose tissue remodeling induced by social isolation.. *Neuropharmacology*, **2022**, 108978	5.5	0
45	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,	6.3	8
44	Vitamin D Deficiency Induces Chronic Pain and Microglial Phenotypic Changes in Mice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
43	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	5.7	3
42	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	0.9	5
41	Evaluation of Browning Agents on the White Adipogenesis of Bone Marrow Mesenchymal Stromal Cells: A Contribution to Fighting Obesity. *Cells*, **2021**, 10,	7.9	2
40	Stem Cell-Derived Exosomes in Autism Spectrum Disorder. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	7
39	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	5.6	9
38	Increase of circulating IGFBP-4 following genotoxic stress and its implication for senescence. *ELife*, **2020**, 9,	8.9	10
37	Resolvin D1 reduces mitochondrial damage to photoreceptors of primary retinal cells exposed to high glucose. *Journal of Cellular Physiology*, **2020**, 235, 4256-4267	7	7
36	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	7.5	6
35	Senescence Phenomena and Metabolic Alteration in Mesenchymal Stromal Cells from a Mouse Model of Rett Syndrome. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
34	A rapid, safe, and quantitative in vitro assay for measurement of uracil-DNA glycosylase activity. *Journal of Molecular Medicine*, **2019**, 97, 991-1001	5.5	2
33	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	6.8	12
32	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	5.6	17
31	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	5.6	8
30	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**, 12, 49-59	2.6	2

29	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	12.8	13
28	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	7	29
27	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	5.6	16
26	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	4.6	9
25	Stem Cells and DNA Repair Capacity: Muse Stem Cells Are Among the Best Performers. *Advances in Experimental Medicine and Biology*, **2018**, 1103, 103-113	3.6	7
24	Stress and stem cells: adult Muse cells tolerate extensive genotoxic stimuli better than mesenchymal stromal cells. *Oncotarget*, **2018**, 9, 19328-19341	3.3	35
23	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	4.7	18
22	Impact of lysosomal storage disorders on biology of mesenchymal stem cells: Evidences from in vitro silencing of glucocerebrosidase (GBA) and alpha-galactosidase A (GLA) enzymes. *Journal of Cellular Physiology*, **2017**, 232, 3454-3467	7	14
21	Alterations in the carnitine cycle in a mouse model of Rett syndrome. *Scientific Reports*, **2017**, 7, 41824	4.9	10
20	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	4.7	12
19	Misidentified Human Gene Functions with Mouse Models: The Case of the Retinoblastoma Gene Family in Senescence. *Neoplasia*, **2017**, 19, 781-790	6.4	24
18	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	4.7	38
17	Unbiased analysis of senescence associated secretory phenotype (SASP) to identify common components following different genotoxic stresses. *Aging*, **2016**, 8, 1316-29	5.6	133
16	Positively charged polymers modulate the fate of human mesenchymal stromal cells via ephrinB2/EphB4 signaling. *Stem Cell Research*, **2016**, 17, 248-255	1.6	27
15	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, 1315-26	4.7	20
14	Myeloma cells can corrupt senescent mesenchymal stromal cells and impair their anti-tumor activity. *Oncotarget*, **2015**, 6, 39482-92	3.3	24
13	Low dose radiation induced senescence of human mesenchymal stromal cells and impaired the autophagy process. *Oncotarget*, **2015**, 6, 8155-66	3.3	87
12	Changes in autophagy, proteasome activity and metabolism to determine a specific signature for acute and chronic senescent mesenchymal stromal cells. *Oncotarget*, **2015**, 6, 39457-68	3.3	78

11	Silencing of RB1 and RB2/P130 during adipogenesis of bone marrow stromal cells results in dysregulated differentiation. *Cell Cycle*, **2014**, 13, 482-90	4.7	18
10	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	9.8	114
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, 1637-51	10.3	49
8	Reduced expression of MECP2 affects cell commitment and maintenance in neurons by triggering senescence: new perspective for Rett syndrome. *Molecular Biology of the Cell*, **2012**, 23, 1435-45	3.5	31
7	The BRG1 ATPase of chromatin remodeling complexes is involved in modulation of mesenchymal stem cell senescence through RB-P53 pathways. *Oncogene*, **2010**, 29, 5452-63	9.2	40
6	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, 1593-603	0.9	34
5	DNA damage and repair in a model of rat vascular injury. *Clinical Science*, **2010**, 118, 473-85	6.5	6
4	Intra-brain microinjection of human mesenchymal stem cells decreases allodynia in neuropathic mice. *Cellular and Molecular Life Sciences*, **2010**, 67, 655-69	10.3	77
3	Impact of histone deacetylase inhibitors SAHA and MS-275 on DNA repair pathways in human mesenchymal stem cells. *Journal of Cellular Physiology*, **2010**, 225, 537-44	7	25
2	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, 1300-6	4.6	24
1	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, 1033-42	4.4	64