

Nicola Alessio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Unbiased analysis of senescence associated secretory phenotype (SASP) to identify common components following different genotoxic stresses. <i>Aging</i> , 2016 , 8, 1316-29	5.6	133
45	Insulin-like growth factor binding proteins 4 and 7 released by senescent cells promote premature senescence in mesenchymal stem cells. <i>Cell Death and Disease</i> , 2013 , 4, e911	9.8	114
44	Low dose radiation induced senescence of human mesenchymal stromal cells and impaired the autophagy process. <i>Oncotarget</i> , 2015 , 6, 8155-66	3.3	87
43	Changes in autophagy, proteasome activity and metabolism to determine a specific signature for acute and chronic senescent mesenchymal stromal cells. <i>Oncotarget</i> , 2015 , 6, 39457-68	3.3	78
42	Intra-brain microinjection of human mesenchymal stem cells decreases allodynia in neuropathic mice. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 655-69	10.3	77
41	In vitro senescence of rat mesenchymal stem cells is accompanied by downregulation of stemness-related and DNA damage repair genes. <i>Stem Cells and Development</i> , 2009 , 18, 1033-42	4.4	64
40	Silencing of RB1 but not of RB2/P130 induces cellular senescence and impairs the differentiation potential of human mesenchymal stem cells. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1637-51	10.3	49
39	The BRG1 ATPase of chromatin remodeling complexes is involved in modulation of mesenchymal stem cell senescence through RB-P53 pathways. <i>Oncogene</i> , 2010 , 29, 5452-63	9.2	40
38	The secretome of MUSE cells contains factors that may play a role in regulation of stemness, apoptosis and immunomodulation. <i>Cell Cycle</i> , 2017 , 16, 33-44	4.7	38
37	Stress and stem cells: adult Muse cells tolerate extensive genotoxic stimuli better than mesenchymal stromal cells. <i>Oncotarget</i> , 2018 , 9, 19328-19341	3.3	35
36	Partial silencing of methyl cytosine protein binding 2 (MECP2) in mesenchymal stem cells induces senescence with an increase in damaged DNA. <i>FASEB Journal</i> , 2010 , 24, 1593-603	0.9	34
35	Reduced expression of MECP2 affects cell commitment and maintenance in neurons by triggering senescence: new perspective for Rett syndrome. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1435-45	3.5	31
34	Mesenchymal stromal cells from amniotic fluid are less prone to senescence compared to those obtained from bone marrow: An in vitro study. <i>Journal of Cellular Physiology</i> , 2018 , 233, 8996-9006	7	29
33	Positively charged polymers modulate the fate of human mesenchymal stromal cells via ephrinB2/EphB4 signaling. <i>Stem Cell Research</i> , 2016 , 17, 248-255	1.6	27
32	Impact of histone deacetylase inhibitors SAHA and MS-275 on DNA repair pathways in human mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2010 , 225, 537-44	7	25
31	Misidentified Human Gene Functions with Mouse Models: The Case of the Retinoblastoma Gene Family in Senescence. <i>Neoplasia</i> , 2017 , 19, 781-790	6.4	24
30	Myeloma cells can corrupt senescent mesenchymal stromal cells and impair their anti-tumor activity. <i>Oncotarget</i> , 2015 , 6, 39482-92	3.3	24

29	Genes involved in regulation of stem cell properties: studies on their expression in a small cohort of neuroblastoma patients. <i>Cancer Biology and Therapy</i> , 2009 , 8, 1300-6	4.6	24
28	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. <i>Cell Cycle</i> , 2015 , 14, 1315-26	4.7	20
27	Mesenchymal stromal cells having inactivated RB1 survive following low irradiation and accumulate damaged DNA: Hints for side effects following radiotherapy. <i>Cell Cycle</i> , 2017 , 16, 251-258	4.7	18
26	Silencing of RB1 and RB2/P130 during adipogenesis of bone marrow stromal cells results in dysregulated differentiation. <i>Cell Cycle</i> , 2014 , 13, 482-90	4.7	18
25	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. <i>Aging</i> , 2019 , 11, 5817-5828	5.6	17
24	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. <i>Aging</i> , 2018 , 10, 1575-1585	5.6	16
23	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. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3454-3467	7	14
22	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. <i>Experimental and Molecular Medicine</i> , 2018 , 50, 1	12.8	13
21	Irradiation of Mesenchymal Stromal Cells With Low and High Doses of Alpha Particles Induces Senescence and/or Apoptosis. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 2993-3002	4.7	12
20	Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019 , 180, 637-647	6.8	12
19	Alterations in the carnitine cycle in a mouse model of Rett syndrome. <i>Scientific Reports</i> , 2017 , 7, 41824	4.9	10
18	Increase of circulating IGFBP-4 following genotoxic stress and its implication for senescence. <i>ELife</i> , 2020 , 9,	8.9	10
17	Senescence Phenomena and Metabolic Alteration in Mesenchymal Stromal Cells from a Mouse Model of Rett Syndrome. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
16	Obesity is associated with senescence of mesenchymal stromal cells derived from bone marrow, subcutaneous and visceral fat of young mice. <i>Aging</i> , 2020 , 12, 12609-12621	5.6	9
15	The Melanocortin MC5R as a New Target for Treatment of High Glucose-Induced Hypertrophy of the Cardiac H9c2 Cells. <i>Frontiers in Physiology</i> , 2018 , 9, 1475	4.6	9
14	Circulating factors present in the sera of naturally skinny people may influence cell commitment and adipocyte differentiation of mesenchymal stromal cells. <i>World Journal of Stem Cells</i> , 2019 , 11, 180-195	5.6	8
13	Different Stages of Quiescence, Senescence, and Cell Stress Identified by Molecular Algorithm Based on the Expression of Ki67, RPS6, and Beta-Galactosidase Activity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
12	Stem Cell-Derived Exosomes in Autism Spectrum Disorder. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7

11	Resolvin D1 reduces mitochondrial damage to photoreceptors of primary retinal cells exposed to high glucose. <i>Journal of Cellular Physiology</i> , 2020 , 235, 4256-4267	7	7
10	Stem Cells and DNA Repair Capacity: Muse Stem Cells Are Among the Best Performers. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1103, 103-113	3.6	7
9	DNA damage and repair in a model of rat vascular injury. <i>Clinical Science</i> , 2010 , 118, 473-85	6.5	6
8	A comparative study on normal and obese mice indicates that the secretome of mesenchymal stromal cells is influenced by tissue environment and physiopathological conditions. <i>Cell Communication and Signaling</i> , 2020 , 18, 118	7.5	6
7	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. <i>FASEB Journal</i> , 2021 , 35, e21662	0.9	5
6	Vitamin D Deficiency Induces Chronic Pain and Microglial Phenotypic Changes in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
5	Timely Supplementation of Hydrogels Containing Sulfated or Unsulfated Chondroitin and Hyaluronic Acid Affects Mesenchymal Stromal Cells Commitment Toward Chondrogenic Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 641529	5.7	3
4	A rapid, safe, and quantitative in vitro assay for measurement of uracil-DNA glycosylase activity. <i>Journal of Molecular Medicine</i> , 2019 , 97, 991-1001	5.5	2
3	Low-Level Radiofrequency Exposure Does Not Induce Changes in MSC Biology: An in vitro Study for the Prevention of NIR-Related Damage. <i>Stem Cells and Cloning: Advances and Applications</i> , 2019 , 12, 49-59 ⁶	2.6	2
2	Evaluation of Browning Agents on the White Adipogenesis of Bone Marrow Mesenchymal Stromal Cells: A Contribution to Fighting Obesity. <i>Cells</i> , 2021 , 10,	7.9	2
1	PEA-OXA ameliorates allodynia, neuropsychiatric and adipose tissue remodeling induced by social isolation.. <i>Neuropharmacology</i> , 2022 , 108978	5.5	0