Marilena Cipollaro

List of Publications by Year
in descending order

67 papers	1,901 citations	218381 26 h-index	276539 41 g-index
67 all docs	67 docs citations	67 times ranked	3212 citing authors

#	Article	IF	Citations
1	Molecular pathways involved in neural in vitro differentiation of marrow stromal stem cells. Journal of Cellular Biochemistry, 2005, 94, 645-655.	1.2	106
2	Low dose radiation induced senescence of human mesenchymal stromal cells and impaired the autophagy process. Oncotarget, 2015, 6, 8155-8166.	0.8	106
3	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
4	Role of myofibroblasts in vascular remodelling: focus on restenosis and aneurysm. Cardiovascular Research, 2010, 88, 395-405.	1.8	85
5	Differentiation and apoptosis of neuroblastoma cells: Role of N-myc gene product. , 1999, 73, 97-105.		72
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	Expression Pattern of Stemness-Related Genes in Human Endometrial and Endometriotic Tissues. Molecular Medicine, 2009, 15, 392-401.	1.9	71
8	Genetic, epigenetic and stem cell alterations in endometriosis: new insights and potential therapeutic perspectives. Clinical Science, 2014, 126, 123-138.	1.8	64
9	Low concentrations of isothiocyanates protect mesenchymal stem cells from oxidative injuries, while high concentrations exacerbate DNA damage. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 964-974.	2.2	60
10	Dose-dependent effects of R-sulforaphane isothiocyanate on the biology of human mesenchymal stem cells, at dietary amounts, it promotes cell proliferation and reduces senescence and apoptosis, while at anti-cancer drug doses, it has a cytotoxic effect. Age, 2012, 34, 281-293.	3.0	59
11	Histone Deacetylase Inhibitors Promote Apoptosis and Senescence in Human Mesenchymal Stem Cells. Stem Cells and Development, 2009, 18, 573-582.	1.1	57
12	Brg1 chromatin remodeling factor is involved in cell growth arrest, apoptosis and senescence of rat mesenchymal stem cells. Journal of Cell Science, 2007, 120, 2904-2911.	1.2	53
13	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
14	Early cell changes and TGFÎ² pathway alterations in the aortopathy associated with bicuspid aortic valve stenosis. Clinical Science, 2013, 124, 97-108.	1.8	53
15	Sera of overweight people promote in vitro adipocyte differentiation of bone marrow stromal cells. Stem Cell Research and Therapy, 2014, 5, 4.	2.4	49
16	Mesenchymal stem cells effectively reduce surgically induced stenosis in rat carotids. Journal of Cellular Physiology, 2008, 217, 789-799.	2.0	42
17	A Possible Early Biomarker for Bicuspid Aortopathy. Circulation Research, 2017, 120, 1800-1811.	2.0	42
18	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

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19	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
20	Patients with bicuspid and tricuspid aortic valve exhibit distinct regional microrna signatures in mildly dilated ascending aorta. Heart and Vessels, 2017, 32, 750-767.	0.5	36
21	Enzymatic repair of selected cross-linked homoduplex molecules enhances nuclear gene rescue from Pompeii and Herculaneum remains. Nucleic Acids Research, 2002, 30, 16e-16.	6.5	33
22	Misidentified Human Gene Functions with Mouse Models: The Case of the Retinoblastoma Gene Family in Senescence. Neoplasia, 2017, 19, 781-790.	2.3	32
23	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
24	Epigenetic regulation of TGF-Î²1 signalling in dilative aortopathy of the thoracic ascending aorta. Clinical Science, 2016, 130, 1389-1405.	1.8	30
25	Risk Stratification in Bicuspid Aortic Valve Aortopathy: Emerging Evidence and Future Perspectives. Current Problems in Cardiology, 2021, 46, 100428.	1.1	28
26	A case report: Bone marrow mesenchymal stem cells from a rett syndrome patient are prone to senescence and show a lower degree of apoptosis. Journal of Cellular Biochemistry, 2008, 103, 1877-1885.	1.2	27
27	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
28	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
29	Novel potential targets for prevention of arterial restenosis: insights from the pre-clinical research. Clinical Science, 2014, 127, 615-634.	1.8	25
30	Stem Cell Therapy for Arterial Restenosis: Potential Parameters Contributing to the Success of Bone Marrow-Derived Mesenchymal Stromal Cells. Cardiovascular Drugs and Therapy, 2012, 26, 9-21.	1.3	24
31	Detection of DNA in Ancient Bones Using Histochemical Methods. Biotechnic and Histochemistry, 2000, 75, 110-117.	0.7	22
32	Dual role of parathyroid hormone in endothelial progenitor cells and marrow stromal mesenchymal stem cells. Journal of Cellular Physiology, 2010, 222, 474-480.	2.0	22
33	c-Myc Antisense Oligonucleotides Preserve Smooth Muscle Differentiation and Reduce Negative Remodelling following Rat Carotid Arteriotomy. Journal of Vascular Research, 2005, 42, 214-225.	0.6	21
34	Role of RB and RB2/P130 genes in marrow stromal stem cells plasticity. Journal of Cellular Physiology, 2004, 200, 201-212.	2.0	20
35	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
36	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

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37	Pro-inflammatory cytokines activate hypoxia-inducible factor 3Î± via epigenetic changes in mesenchymal stromal/stem cells. Scientific Reports, 2018, 8, 5842.	1.6	20
38	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
39	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
40	The structure of three bacteriophage T4 genes required for tail-tube assembly. Virology, 1988, 164, 81-90.	1.1	15
41	RB and RB2/P130 genes cooperate with extrinsic signals to promote differentiation of rat neural stem cells. Molecular and Cellular Neurosciences, 2007, 34, 299-309.	1.0	15
42	RB2/p130 ectopic gene expression in neuroblastoma stem cells: evidence of cell-fate restriction and induction of differentiation. Biochemical Journal, 2001, 360, 569-577.	1.7	14
43	Molecular characterization of Italian rice cultivars. European Food Research and Technology, 2009, 228, 875-881.	1.6	13
44	Chromatin Modification and Senescence. Current Pharmaceutical Design, 2012, 18, 1686-1693.	0.9	12
45	Local inhibition of ornithine decarboxylase reduces vascular stenosis in a murine model of carotid injury. International Journal of Cardiology, 2013, 168, 3370-3380.	0.8	12
46	2000 Year-old ancient equids: an ancient-DNA lesson from pompeii remains. The Journal of Experimental Zoology, 2004, 302B, 550-556.	1.4	10
47	DNA damage and repair in a model of rat vascular injury. Clinical Science, 2010, 118, 473-485.	1.8	10
48	Stenosis progression after surgical injury in Milan hypertensive rat carotid arteries. Cardiovascular Research, 2003, 60, 654-663.	1.8	9
49	Ancient DNA and Family Relationships in a Pompeian House. Annals of Human Genetics, 2009, 73, 429-437.	0.3	9
50	Locally different proteome in aortas from patients with stenotic tricuspid and bicuspid aortic valvesâ€. European Journal of Cardio-thoracic Surgery, 2019, 56, 458-469.	0.6	9
51	Mesenchymal Stem Cells: A Good Candidate for Restenosis Therapy?. Current Vascular Pharmacology, 2009, 7, 381-393.	0.8	8
52	Preamplification Procedure for the Analysis of Ancient DNA Samples. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	8
53	An effective method for adenoviral-mediated delivery of small interfering RNA into mesenchymal stem cells. Journal of Cellular Biochemistry, 2007, 100, 293-302.	1.2	7
54	The Polyamine Pathway as a Potential Target for Vascular Diseases: Focus on Restenosis. Current Vascular Pharmacology, 2011, 9, 706-714.	0.8	7

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55	RB2/p130 ectopic gene expression in neuroblastoma stem cells: evidence of cell-fate restriction and induction of differentiation. Biochemical Journal, 2001, 360, 569.	1.7	6
56	In vivo effects of partial phosphorothioated at, receptor antisense oligonucleotides in spontaneously hypertensive and normotensive rats. Life Sciences, 2000, 66, 2091-2099.	2.0	5
57	Gâ€CSF contributes at the healing of tunica media of arteriotomyâ€injured rat carotids by promoting differentiation of vascular smooth muscle cells. Journal of Cellular Physiology, 2016, 231, 215-223.	2.0	5
58	Rat carotid arteriotomy: c-myc is involved in negative remodelling and apoptosis. Journal of Cardiovascular Medicine, 2006, 7, 61-67.	0.6	4
59	Polyamine concentration is increased in thoracic ascending aorta of patients with bicuspid aortic valve. Heart and Vessels, 2018, 33, 327-339.	0.5	4
60	A new SCAR marker potentially useful to distinguish Italian cattle breeds. Food Chemistry, 2012, 130, 172-176.	4.2	3
61	Injury to rat carotid arteries causes time-dependent changes in gene expression in contralateral uninjured arteries. Clinical Science, 2009, 116, 125-136.	1.8	2
62	Strengthening ancient mtDNA equid sequences from pompeii. Journal of Cellular Biochemistry, 2011, 112, 363-364.	1.2	2
63	Is there a role for autophagy in ascending aortopathy associated with tricuspid or bicuspid aortic valve?. Clinical Science, 2019, 133, 805-819.	1.8	2
64	Hypertension Induces Compensatory Arterial Remodeling Following Arteriotomy. Journal of Surgical Research, 2007, 143, 300-310.	0.8	1
65	Carotid arteriotomy induces different temporal gene expression profiles in normotensive and hypertensive rat strains. International Journal of Molecular Medicine, 2005, 16, 1057-64.	1.8	1
66	Ascending aortas from heart donors and CABG patients are not equivalent as control in aortopathy studies. Scandinavian Cardiovascular Journal, 2018, 52, 281-286.	0.4	0
67	Cell Cycle and Differentiation in Vessels. , 2010, , 203-228.		0