

Giovanni Di Bernardo

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.

61
papers

1,314
citations

21
h-index

33
g-index

65
ext. papers

1,588
ext. citations

5.5
avg. IF

4.25
L-index

#	Paper	IF	Citations
61	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
60	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
59	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
58	Gene expression signature of human HepG2 cell line. <i>Gene</i> , 2013 , 518, 335-45	3.8	66
57	Differentiation and apoptosis of neuroblastoma cells: role of N-myc gene product. <i>Journal of Cellular Biochemistry</i> , 1999 , 73, 97-105	4.7	63
56	Comparative evaluation of different DNA extraction procedures from food samples. <i>Biotechnology Progress</i> , 2007 , 23, 297-301	2.8	57
55	Histone deacetylase inhibitors promote apoptosis and senescence in human mesenchymal stem cells. <i>Stem Cells and Development</i> , 2009 , 18, 573-81	4.4	55
54	Low concentrations of isothiocyanates protect mesenchymal stem cells from oxidative injuries, while high concentrations exacerbate DNA damage. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 964-74	5.4	46
53	Apoptotic genes expression in the lumbar dorsal horn in a model neuropathic pain in rat. <i>NeuroReport</i> , 2002 , 13, 101-6	1.7	46
52	Exercise increases the level of plasma orexin A in humans. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016 , 27, 611-616	1.6	36
51	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
50	Ancient DNA in human bone remains from Pompeii archaeological site. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 247, 901-4	3.4	34
49	Induction of apoptosis and differentiation in neuroblastoma and astrocytoma cells by the overexpression of Bin1, a novel myc interacting protein 1999 , 74, 313-322		34
48	Sera of overweight people promote in vitro adipocyte differentiation of bone marrow stromal cells. <i>Stem Cell Research and Therapy</i> , 2014 , 5, 4	8.3	30
47	Evaluation of selenite effects on selenoproteins and cytokinome in human hepatoma cell lines. <i>Molecules</i> , 2013 , 18, 2549-62	4.8	28
46	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
45	Enzymatic repair of selected cross-linked homoduplex molecules enhances nuclear gene rescue from Pompeii and Herculaneum remains. <i>Nucleic Acids Research</i> , 2002 , 30, e16	20.1	25

44	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
43	Identification of hazelnut (<i>Corylus avellana</i>) cultivars by RAPD analysis. <i>Plant Cell Reports</i> , 1999 , 18, 652-655		24
42	Evaluation of the selenotranscriptome expression in two hepatocellular carcinoma cell lines. <i>Analytical Cellular Pathology</i> , 2015 , 2015, 419561	3.4	23
41	Antisense inhibitory effect: A comparison between 3'-partial and full phosphorothioate antisense oligonucleotides 1999 , 74, 31-37		23
40	Dual role of parathyroid hormone in endothelial progenitor cells and marrow stromal mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2010 , 222, 474-80	7	21
39	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
38	Long non-coding RNAs in regulation of adipogenesis and adipose tissue function. <i>ELife</i> , 2020 , 9,	8.9	19
37	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
36	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
35	pRb2/p130 gene overexpression induces astrocyte differentiation. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 415-25	4.8	17
34	Myotonic dystrophy: antisense oligonucleotide inhibition of DMPK gene expression in vitro. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 221, 750-4	3.4	17
33	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
32	Efficient cultivation of neural stem cells with controlled delivery of FGF-2. <i>Stem Cell Research</i> , 2013 , 10, 85-94	1.6	16
31	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
30	Genetic characterization of Pompeii and Herculaneum Equidae buried by Vesuvius in 79 AD. <i>Journal of Cellular Physiology</i> , 2004 , 199, 200-5	7	14
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. <i>Experimental and Molecular Medicine</i> , 2018 , 50, 1	12.8	13
28	Structure-function relationship and evolutionary history of the human selenoprotein M (SelM) found over-expressed in hepatocellular carcinoma. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 447-56	4	13
27	Ancient DNA as a multidisciplinary experience. <i>Journal of Cellular Physiology</i> , 2005 , 202, 315-22	7	12

26	Clinical Trials Based on Mesenchymal Stromal Cells are Exponentially Increasing: Where are We in Recent Years?. <i>Stem Cell Reviews and Reports</i> , 2021 , 1	7.3	12
25	Methods to improve the yield and quality of DNA from dried and processed figs. <i>Biotechnology Progress</i> , 2005 , 21, 546-9	2.8	11
24	Molecular characterization of Italian rice cultivars. <i>European Food Research and Technology</i> , 2009 , 228, 875-881	3.4	10
23	Increase of circulating IGFBP-4 following genotoxic stress and its implication for senescence. <i>ELife</i> , 2020 , 9,	8.9	10
22	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
21	Chromatin modification and senescence. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1686-93	3.3	9
20	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
19	Preamplification procedure for the analysis of ancient DNA samples. <i>Scientific World Journal, The</i> , 2013 , 2013, 734676	2.2	8
18	2000 Year-old ancient equids: an ancient-DNA lesson from pompeii remains. <i>The Journal of Experimental Zoology</i> , 2004 , 302, 550-6		8
17	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
16	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
15	Verification of Real-Time PCR Methods for Qualitative and Quantitative Testing of Genetically Modified Organisms. <i>Journal of Food Quality</i> , 2012 , 35, 442-447	2.7	7
14	A preamplification approach to GMO detection in processed foods. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2135-42	4.4	7
13	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
12	Ancient DNA and family relationships in a Pompeian house. <i>Annals of Human Genetics</i> , 2009 , 73, 429-37	2.2	6
11	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
10	G-CSF contributes at the healing of tunica media of arteriotomy-injured rat carotids by promoting differentiation of vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2016 , 231, 215-23	7	4
9	The gene expression profiling of hepatocellular carcinoma by a network analysis approach shows a dominance of intrinsically disordered proteins (IDPs) between hub nodes. <i>Molecular BioSystems</i> , 2015 , 11, 2933-45		4

8	A new SCAR marker potentially useful to distinguish Italian cattle breeds. <i>Food Chemistry</i> , 2012 , 130, 172-176	8.5	3
7	In vivo effects of partial phosphorothioated AT1 receptor antisense oligonucleotides in spontaneously hypertensive and normotensive rats. <i>Life Sciences</i> , 2000 , 66, 2091-9	6.8	3
6	Proteomic and Biological Analysis of the Effects of Metformin Senomorphics on the Mesenchymal Stromal Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 730813	5.8	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	Obesity induced by high-fat diet is associated with critical changes in biological and molecular functions of mesenchymal stromal cells present in visceral adipose tissue. <i>Aging</i> , 2020 , 12, 24894-24913	5.6	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	Why Do Muse Stem Cells Present an Enduring Stress Capacity? Hints from a Comparative Proteome Analysis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2