Ilaria Bellantuono

List of Publications by Citations

51 papers	5,638 citations	27 h-index	55 g-index
55 ext. papers	6,193 ext. citations	6.1 avg, IF	5.67 L-index

#	Paper	IF	Citations
51	Stem cell ageing: does it happen and can we intervene?. *Expert Reviews in Molecular Medicine*, **2007**, 9, 1-20	6.7	1456
50	Identification of mesenchymal stem/progenitor cells in human first-trimester fetal blood, liver, and bone marrow. *Blood*, **2001**, 98, 2396-402	2.2	1079
49	A small proportion of mesenchymal stem cells strongly expresses functionally active CXCR4 receptor capable of promoting migration to bone marrow. *Blood*, **2004**, 104, 2643-5	2.2	624
48	Study of telomere length reveals rapid aging of human marrow stromal cells following in vitro expansion. *Stem Cells*, **2004**, 22, 675-82	5.8	572
47	Selective elimination of leukemic CD34+ progenitor cells by cytotoxic T lymphocytes specific for WT1. *Blood*, **2000**, 95, 2198-2203	2.2	352
46	Direct muscle delivery of GDNF with human mesenchymal stem cells improves motor neuron survival and function in a rat model of familial ALS. *Molecular Therapy*, **2008**, 16, 2002-10	11.7	194
45	Does age matter? The impact of rodent age on study outcomes. *Laboratory Animals*, **2017**, 51, 160-169	2.6	110
44	Selective elimination of leukemic CD34(+) progenitor cells by cytotoxic T lymphocytes specific for WT1. *Blood*, **2000**, 95, 2198-203	2.2	108
43	Two distinct HLA-A0201-presented epitopes of the Wilms tumor antigen 1 can function as targets for leukemia-reactive CTL. *Blood*, **2002**, 100, 3835-7	2.2	105
42	The chondrocyte clock gene Bmal1 controls cartilage homeostasis and integrity. *Journal of Clinical Investigation*, **2016**, 126, 365-76	15.9	97
41	Dendritic cells from CML patients have altered actin organization, reduced antigen processing, and impaired migration. *Blood*, **2003**, 101, 3560-7	2.2	81
40	Aging of marrow stromal (skeletal) stem cells and their contribution to age-related bone loss. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 364-70	6.9	68
39	Glycogen synthase kinase-3 inhibition promotes in vivo amplification of endogenous mesenchymal progenitors with osteogenic and adipogenic potential and their differentiation to the osteogenic lineage. *Journal of Bone and Mineral Research*, **2011**, 26, 811-21	6.3	50
38	Long-term in vitro correction of alpha-L-iduronidase deficiency (Hurler syndrome) in human bone marrow. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 2025-30	11.5	46
37	Senescence and Cancer: A Review of Clinical Implications of Senescence and Senotherapies. *Cancers* , **2020**, 12,	6.6	46
36	Alterations in the self-renewal and differentiation ability of bone marrow mesenchymal stem cells in a mouse model of rheumatoid arthritis. *Arthritis Research and Therapy*, **2010**, 12, R149	5.7	42
35	Interventions for age-related diseases: Shifting the paradigm. *Mechanisms of Ageing and Development*, **2016**, 160, 69-92	5.6	41

34	Find drugs that delay many diseases of old age. *Nature*, **2018**, 554, 293-295	50.4	40
33	Retrovirally mediated correction of bone marrow-derived mesenchymal stem cells from patients with mucopolysaccharidosis type I. *Blood*, **2002**, 99, 1857-9	2.2	38
32	A toolbox for the longitudinal assessment of healthspan in aging mice. *Nature Protocols*, **2020**, 15, 540-574	18.8	38
31	Haemopoietic stem cells. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 607-20	5.6	37
30	A systems biology approach to Down syndrome: identification of Notch/Wnt dysregulation in a model of stem cells aging. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 353-63	6.9	34
29	Zoledronate Attenuates Accumulation of DNA Damage in Mesenchymal Stem Cells and Protects Their Function. *Stem Cells*, **2016**, 34, 756-67	5.8	34
28	Detection of WilmsStumor antigen--specific CTL in tumor-draining lymph nodes of patients with early breast cancer. *Clinical Cancer Research*, **2006**, 12, 34-42	12.9	32
27	Autosomal dominant hypercalciuria in a mouse model due to a mutation of the epithelial calcium channel, TRPV5. *PLoS ONE*, **2013**, 8, e55412	3.7	32
26	Tackling immunosenescence to improve COVID-19 outcomes and vaccine response in older adults. *The Lancet Healthy Longevity*, **2020**, 1, e55-e57	9.5	30
25	Development of a protocol to quantify local bone adaptation over space and time: Quantification of reproducibility. *Journal of Biomechanics*, **2016**, 49, 2095-2099	2.9	28
24	Longitudinal effects of Parathyroid Hormone treatment on morphological, densitometric and mechanical properties of mouse tibia. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 75, 244-251	4.1	26
23	Telomere length dynamics differ in foetal and early post-natal human leukocytes in a longitudinal study. *Biogerontology*, **2009**, 10, 279-84	4.5	26
22	A small molecule modulator of prion protein increases human mesenchymal stem cell lifespan, ex vivo expansion, and engraftment to bone marrow in NOD/SCID mice. *Stem Cells*, **2012**, 30, 1134-43	5.8	25
21	Hematopoietic progenitor cell deficiency in fetuses and children affected by DownS syndrome. *Experimental Hematology*, **2006**, 34, 1611-5	3.1	20
20	High transduction efficiency of circulating first trimester fetal mesenchymal stem cells: potential targets for in utero ex vivo gene therapy. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2002**, 109, 952-4	3.7	20
19	Evaluation of in-vivo measurement errors associated with micro-computed tomography scans by means of the bone surface distance approach. *Medical Engineering and Physics*, **2015**, 37, 1091-7	2.4	19
18	Marrow stromal cells from patients affected by MPS I differentially support haematopoietic progenitor cell development. *Journal of Inherited Metabolic Disease*, **2005**, 28, 1045-53	5.4	18
17	Geroprotectors: A role in the treatment of frailty. *Mechanisms of Ageing and Development*, **2019**, 180, 11-20	5.6	14

16	Selective elimination of leukemic CD34+ progenitor cells by cytotoxic T lymphocytes specific for WT1. *Blood*, **2000**, 95, 2198-2203	2.2	12
15	Intra-femoral injection of human mesenchymal stem cells. *Methods in Molecular Biology*, **2013**, 976, 131-41	1.4	6
14	Modelling physical resilience in ageing mice. *Mechanisms of Ageing and Development*, **2019**, 177, 91-102	5.6	6
13	The use of geroprotectors to prevent multimorbidity: Opportunities and challenges. *Mechanisms of Ageing and Development*, **2021**, 193, 111391	5.6	6
12	Shared Ageing Research Models (ShARM): a new facility to support ageing research. *Biogerontology* , **2013**, 14, 789-94	4.5	5
11	Optimization of the failure criterion in micro-Finite Element models of the mouse tibia for the non-invasive prediction of its failure load in preclinical applications. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 113, 104190	4.1	5
10	Non-invasive prediction of the mouse tibia mechanical properties from microCT images: comparison between different finite element models. *Biomechanics and Modeling in Mechanobiology*, **2021**, 20, 941-955	3.8	5
9	Modelling ageing and age-related disease. *Drug Discovery Today: Disease Models*, **2016**, 20, 27-32	1.3	3
8	An -Ethyl--Nitrosourea (ENU) Mutagenized Mouse Model for Autosomal Dominant Nonsyndromic Kyphoscoliosis Due to Vertebral Fusion. *JBMR Plus*, **2018**, 2, 154-163	3.9	1
7	Progeroid syndromes: models for stem cell aging?. *Biogerontology*, **2012**, 13, 63-75	4.5	1
6	Geroprotectors and Skeletal Health: Beyond the Headlines.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 682045	5.7	1
5	Zoledronate extends healthspan and survival via the mevalonate pathway in a FOXO-dependent manner. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**,	6.4	1
4	miR-24:Prdx6 interactions regulate oxidative stress and viability of myogenic progenitors during ageing		1
3	miR-24 and its target gene Prdx6 regulate viability and senescence of myogenic progenitors during aging. *Aging Cell*, **2021**, 20, e13475	9.9	1
2	Building for the future: essential infrastructure for rodent ageing studies. *Mammalian Genome*, **2016**, 27, 440-4	3.2	
1	The expression of full length Gp91-phox protein is associated with reduced amphotropic retroviral production. *Haematologica*, **2000**, 85, 451-7	6.6	