Paolo Bianco

List of Publications by Year
in descending order

117 papers	20,089 citations	20817 60 h-index	31849 101 g-index
120 all docs	120 docs citations	120 times ranked	18414 citing authors

#	Article	IF	Citations
1	Bone Marrow Stromal Cell Assays: In Vitro and In Vivo. Methods in Molecular Biology, 2021, 2230, 379-396.	0.9	7
2	Clonal Analysis Delineates Transcriptional Programs of Osteogenic and Adipogenic Lineages of Adult Mouse Skeletal Progenitors. Stem Cell Reports, 2018, 11, 212-227.	4.8	9
3	No Identical â€œMesenchymal Stem Cellsâ€•at Different Times and Sites: Human Committed Progenitors of Distinct Origin and Differentiation Potential Are Incorporated as Adventitial Cells in Microvessels. Stem Cell Reports, 2016, 6, 897-913.	4.8	378
4	Osteoblast-Specific Expression of the Fibrous Dysplasia (FD)â€“Causing Mutation <i>GsÎ±R201C</i> Produces a High Bone Mass Phenotype but Does Not Reproduce FD in the Mouse. Journal of Bone and Mineral Research, 2015, 30, 1030-1043.	2.8	31
5	Bone marrow skeletal stem/progenitor cell defects in dyskeratosis congenita and telomere biology disorders. Blood, 2015, 125, 793-802.	1.4	31
6	Skeletal stem cells. Development (Cambridge), 2015, 142, 1023-1027.	2.5	302
7	Skeletal Stem Cells in Space and Time. Cell, 2015, 160, 17-19.	28.9	56
8	Stem cell niches in the boneâ€“bone marrow organ and their significance for hematopoietic and non-hematopoietic cancer. , 2015, , 29-37.		0
9	Stem cells and bone: A historical perspective. Bone, 2015, 70, 2-9.	2.9	41
10	Stem cells and bone diseases: New tools, new perspective. Bone, 2015, 70, 55-61.	2.9	17
11	Regulation: Sell help not hope. Nature, 2014, 510, 336-337.	27.8	63
12	Postnatal Stem Cells in Tissue Engineering. , 2014, , 639-653.		0
13	A Randomized, Double Blind, Placebo-Controlled Trial of Alendronate Treatment for Fibrous Dysplasia of Bone. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 4133-4140.	3.6	107
14	Plasma fatty acid lipidome is associated with cirrhosis prognosis and graft damage in liver transplantation. American Journal of Clinical Nutrition, 2014, 100, 600-608.	4.7	15
15	â€œMesenchymalâ€•Stem Cells. Annual Review of Cell and Developmental Biology, 2014, 30, 677-704.	9.4	345
16	Bone Marrow Stromal Cell Assays: In Vitro and In Vivo. Methods in Molecular Biology, 2014, 1130, 279-293.	0.9	62
17	Establishment of bone marrow and hematopoietic niches in vivo by reversion of chondrocyte differentiation of human bone marrow stromal cells. Stem Cell Research, 2014, 12, 659-672.	0.7	78
18	Constitutive Expression of GsÎ±R201C in Mice Produces a Heritable, Direct Replica of Human Fibrous Dysplasia Bone Pathology and Demonstrates Its Natural History. Journal of Bone and Mineral Research, 2014, 29, 2357-2368.	2.8	66

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19	Reply to MSCs: science and trials. Nature Medicine, 2013, 19, 813-814.	30.7	11
20	Regulation of stem cell therapies under attack in Europe: for whom the bell tolls. EMBO Journal, 2013, 32, 1489-1495.	7.8	79
21	The meaning, the sense and the significance: translating the science of mesenchymal stem cells into medicine. Nature Medicine, 2013, 19, 35-42.	30.7	1,032
22	Evaluation of the osteoconductive potential of bone substitutes embedded with <scp>s</scp>chneiderian membraneâ€•or maxillary bone marrowâ€derived osteoprogenitor cells. Clinical Oral Implants Research, 2013, 24, 1288-1294.	4.5	28
23	Stem Cells in Tissue Engineering. , 2013, , 965-972.		1
24	Donâ€™t market stem-cell products ahead of proof. Nature, 2013, 499, 255-255.	27.8	24
25	MSCs: The Need to Rethink. , 2013, , 43-57.		0
26	Order versus Disorder: in vivo bone formation within osteoconductive scaffolds. Scientific Reports, 2012, 2, 274.	3.3	67
27	Hurler Disease Bone Marrow Stromal Cells Exhibit Altered Ability to Support Osteoclast Formation. Stem Cells and Development, 2012, 21, 1466-1477.	2.1	24
28	Minireview: The Stem Cell Next Door: Skeletal and Hematopoietic Stem Cell â€œNichesâ€•in Bone. Endocrinology, 2011, 152, 2957-2962.	2.8	57
29	Stem Cells in Skeletal Physiology and Endocrine Diseases of Bone. Endocrine Development, 2011, 21, 91-101.	1.3	22
30	Osteoprogenitors and the hematopoietic microenvironment. Best Practice and Research in Clinical Haematology, 2011, 24, 37-47.	1.7	49
31	Bone and the hematopoietic niche: a tale of two stem cells. Blood, 2011, 117, 5281-5288.	1.4	216
32	Human Bone Marrow Mesenchymal Stem Cells: A Systematic Reappraisal Via the Genostem Experience. Stem Cell Reviews and Reports, 2011, 7, 32-42.	5.6	69
33	Back to the future: Moving beyond â€œmesenchymal stem cellsâ€• Journal of Cellular Biochemistry, 2011, 112, 1713-1721.	2.6	58
34	Graft vascularization is a critical rate-limiting step in skeletal stem cell-mediated posterolateral spinal fusion. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 273-283.	2.7	11
35	Transfer, analysis, and reversion of the fibrous dysplasia cellular phenotype in human skeletal progenitors. Journal of Bone and Mineral Research, 2010, 25, 1103-1116.	2.8	77
36	Skeletal progenitors and the GNAS gene: fibrous dysplasia of bone read through stem cells. Journal of Molecular Endocrinology, 2010, 45, 355-364.	2.5	61

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37	â€œMesenchymalâ€•Stem Cells in Human Bone Marrow (Skeletal Stem Cells): A Critical Discussion of Their Nature, Identity, and Significance in Incurable Skeletal Disease. Human Gene Therapy, 2010, 21, 1057-1066.	2.7	154
38	Enumeration of the colony-forming unitsâ€“fibroblast from mouse and human bone marrow in normal and pathological conditions. Stem Cell Research, 2009, 2, 83-94.	0.7	83
39	Postnatal Stem Cells in Tissue Engineering. , 2009, , 583-590.		0
40	In Vivo Osteoprogenitor Potency of Human Stromal Cells from Different Tissues Does Not Correlate with Expression of POU5F1 or Its Pseudogenes. Stem Cells, 2008, 26, 2419-2424.	3.2	43
41	Age-Dependent Demise of <i>GNAS</i>-Mutated Skeletal Stem Cells and â€œNormalizationâ€•of Fibrous Dysplasia of Bone. Journal of Bone and Mineral Research, 2008, 23, 1731-1740.	2.8	119
42	Bone cells, osteoprogenitors, and hematopoiesis. IBMS BoneKEy, 2008, 5, 269-274.	0.0	2
43	Mesenchymal Stem Cells: Revisiting History, Concepts, and Assays. Cell Stem Cell, 2008, 2, 313-319.	11.1	1,392
44	Cell source. , 2008, , 279-306.		1
45	Skeletal (â€œMesenchymalâ€) Stem Cells for Tissue Engineering. Methods in Molecular Medicine, 2007, 140, 83-99.	0.8	25
46	Biglycan Deficiency Causes Spontaneous Aortic Dissection and Rupture in Mice. Circulation, 2007, 115, 2731-2738.	1.6	126
47	GNAS transcripts in skeletal progenitors: evidence for random asymmetric allelic expression of GsÂ. Human Molecular Genetics, 2007, 16, 1921-1930.	2.9	35
48	Loss of MMP-2 disrupts skeletal and craniofacial development and results in decreased bone mineralization, joint erosion and defects in osteoblast and osteoclast growth. Human Molecular Genetics, 2007, 16, 1113-1123.	2.9	202
49	Human maxillary tuberosity and jaw periosteum as sources of osteoprogenitor cells for tissue engineering. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 104, 618.e1-618.e12.	1.4	62
50	Self-Renewing Osteoprogenitors in Bone Marrow Sinusoids Can Organize a Hematopoietic Microenvironment. Cell, 2007, 131, 324-336.	28.9	2,001
51	Postnatal Stem Cells. , 2007, , 459-468.		0
52	Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. Nature Cell Biology, 2007, 9, 255-267.	10.3	899
53	Life in plastic is fantastic. Blood, 2007, 110, 3090-3090.	1.4	3
54	Fibrous Dysplasia as a Stem Cell Disease. Journal of Bone and Mineral Research, 2006, 21, P125-P131.	2.8	103

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55	Reconstruction of Extensive Long Bone Defects in Sheep Using Resorbable Bioceramics Based on Silicon Stabilized Tricalcium Phosphate. Tissue Engineering, 2006, 12, 1261-1273.	4.6	120
56	Postnatal Skeletal Stem Cells. Methods in Enzymology, 2006, 419, 117-148.	1.0	142
57	The use of adult stem cells in rebuilding the human face. Journal of the American Dental Association, 2006, 137, 961-972.	1.5	79
58	The metalloproteinase MT1-MMP is required for normal development and maintenance of osteocyte processes in bone. Journal of Cell Science, 2005, 118, 147-156.	2.0	215
59	CONGENITAL UNILATERAL POSTEROMEDIAL BOWING OF THE TIBIA AND FIBULA. Journal of Bone and Joint Surgery - Series A, 2005, 87, 1601-1605.	3.0	8
60	Fracture Incidence in Polyostotic Fibrous Dysplasia and the McCune-Albright Syndrome. Journal of Bone and Mineral Research, 2004, 19, 571-577.	2.8	136
61	Stem Cells in Tissue Engineering. , 2004, , 785-792.		2
62	The interplay of osteogenesis and hematopoiesis. Journal of Cell Biology, 2004, 167, 1113-1122.	5.2	113
63	TGFÎ²/BMP activate the smooth muscle/bone differentiation programs in mesoangioblasts. Journal of Cell Science, 2004, 117, 4377-4388.	2.0	70
64	A novel technique based on a PNA hybridization probe and FRET principle for quantification of mutant genotype in fibrous dysplasia/McCune-Albright syndrome. Nucleic Acids Research, 2004, 32, e63-e63.	14.5	42
65	Skeletal Stem Cells. , 2004, , 415-424.		29
66	An Instrument to Measure Skeletal Burden and Predict Functional Outcome in Fibrous Dysplasia of Bone. Journal of Bone and Mineral Research, 2004, 20, 219-226.	2.8	107
67	MT1â€MMP: A tethered collagenase. Journal of Cellular Physiology, 2004, 200, 11-19.	4.1	166
68	Metastasis in the Bone Marrow Microenvironment. Cancer Metastasis - Biology and Treatment, 2004, , 71-85.	0.1	0
69	Osteomalacic and Hyperparathyroid Changes in Fibrous Dysplasia Of Bone: Core Biopsy Studies and Clinical Correlations. Journal of Bone and Mineral Research, 2003, 18, 1235-1246.	2.8	87
70	MT1-mmp. Cancer Cell, 2003, 4, 83-84.	16.8	22
71	Mesoangioblasts â€" vascular progenitors for extravascular mesodermal tissues. Current Opinion in Genetics and Development, 2003, 13, 537-537.	3.3	0
72	Mesoangioblasts â€" vascular progenitors for extravascular mesodermal tissues. Current Opinion in Genetics and Development, 2003, 13, 537-542.	3.3	234

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73	Formation of a chondro-osseous rudiment in micromass cultures of human bone-marrow stromal cells. Journal of Cell Science, 2003, 116, 2949-2955.	2.0	127
74	MT1-MMPâ€“dependent, apoptotic remodeling of unmineralized cartilage. Journal of Cell Biology, 2003, 163, 661-671.	5.2	136
75	Natural history and treatment of fibrous dysplasia of bone: a multicenter clinicopathologic study promoted by the European Pediatric Orthopaedic Society. Journal of Pediatric Orthopaedics Part B, 2003, 12, 155-177.	0.6	8
76	Natural history and treatment of fibrous dysplasia of bone: a multicenter clinicopathologic study promoted by the European Pediatric Orthopaedic Society. Journal of Pediatric Orthopaedics Part B, 2003, 12, 155-177.	0.6	26
77	FGF-23 in fibrous dysplasia of bone and its relationship to renal phosphate wasting. Journal of Clinical Investigation, 2003, 112, 683-692.	8.2	567
78	Natural history and treatment of fibrous dysplasia of bone: a multicenter clinicopathologic study promoted by the European Pediatric Orthopaedic Society. Journal of Pediatric Orthopaedics Part B, 2003, 12, 155-77.	0.6	117
79	Characterization of<i>gsp</i>-Mediated Growth Hormone Excess in the Context of McCune-Albright Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5104-5112.	3.6	145
80	On the role of MT1â€MMP, a matrix metalloproteinase essential to collagen remodeling, in murine molar eruption and root growth. European Journal of Oral Sciences, 2002, 110, 445-451.	1.5	46
81	The meso-angioblast: a multipotent, self-renewing cell that originates from the dorsal aorta and differentiates into most mesodermal tissues. Development (Cambridge), 2002, 129, 2773-2783.	2.5	429
82	The meso-angioblast: a multipotent, self-renewing cell that originates from the dorsal aorta and differentiates into most mesodermal tissues. Development (Cambridge), 2002, 129, 2773-83.	2.5	168
83	Reduced Growth and Skeletal Changes in Zinc-Deficient Growing Rats Are Due to Impaired Growth Plate Activity and Inanition. Journal of Nutrition, 2001, 131, 1142-1146.	2.9	99
84	Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications. Stem Cells, 2001, 19, 180-192.	3.2	1,768
85	Clinical Vignette: Angiomatosis of Bone With Localized Mineralization Defect. Journal of Bone and Mineral Research, 2001, 16, 1750-1753.	2.8	2
86	Renal Phosphate Wasting in Fibrous Dysplasia of Bone Is Part of a Generalized Renal Tubular Dysfunction Similar to That Seen in Tumor-Induced Osteomalacia. Journal of Bone and Mineral Research, 2001, 16, 806-813.	2.8	165
87	Gnathodiaphyseal Dysplasia: A Syndrome of Fibro-Osseous Lesions of Jawbones, Bone Fragility, and Long Bone Bowing. Journal of Bone and Mineral Research, 2001, 16, 1710-1718.	2.8	61
88	Stem cells in tissue engineering. Nature, 2001, 414, 118-121.	27.8	870
89	Circulating Skeletal Stem Cells. Journal of Cell Biology, 2001, 153, 1133-1140.	5.2	632
90	A regulatory cascade involving retinoic acid, Cbfa1, and matrix metalloproteinases is coupled to the development of a process of perichondrial invasion and osteogenic differentiation during bone formation. Journal of Cell Biology, 2001, 155, 1333-1344.	5.2	102

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91	Achondrogenesis Type IB. Archives of Pathology and Laboratory Medicine, 2001, 125, 1375-1378.	2.5	15
92	Pathology of Bone Lesions Associated With Congenital Pseudarthrosis of the Leg. Journal of Pediatric Orthopaedics Part B, 2000, 9, 3-10.	0.6	91
93	Osteogenic imprinting upstream of marrow stromal cell differentiation. Journal of Cellular Biochemistry, 2000, 78, 391-403.	2.6	124
94	Marrow stromal stem cells. Journal of Clinical Investigation, 2000, 105, 1663-1668.	8.2	512
95	Multipotential Cells in the Bone Marrow Stroma: Regulation in the Context of Organ Physiology. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 159-173.	0.9	115
96	A Novel GNAS1 Mutation, R201G, in McCune-Albright Syndrome. Journal of Bone and Mineral Research, 1999, 14, 1987-1989.	2.8	57
97	Mechanisms of Osteoclast Dysfunction in Human Osteopetrosis: Abnormal Osteoclastogenesis and Lack of Osteoclast-Specific Adhesion Structures. Journal of Bone and Mineral Research, 1999, 14, 2107-2117.	2.8	43
98	Diseases of Bone and the Stromal Cell Lineage. Journal of Bone and Mineral Research, 1999, 14, 336-341.	2.8	72
99	Parathyroid Hormone [PTH(1-34)] and Parathyroid Hormone-Related Protein [PTHrP(1-34)] Promote Reversion of Hypertrophic Chondrocytes to a Prehypertrophic Proliferating Phenotype and Prevent Terminal Differentiation of Osteoblast-like Cells. Journal of Bone and Mineral Research, 1999, 14, 1281-1289.	2.8	76
100	An animal model of fibrous dysplasia. Trends in Molecular Medicine, 1999, 5, 322-323.	2.6	12
101	The role of osteogenic cells in the pathophysiology of paget's disease. Journal of Bone and Mineral Research, 1999, 14, 9-16.	2.8	16
102	The histopathology of fibrous dysplasia of bone in patients with activating mutations of the Gs? gene: site-specific patterns and recurrent histological hallmarks. , 1999, 187, 249-258.		234
103	MT1-MMP-Deficient Mice Develop Dwarfism, Osteopenia, Arthritis, and Connective Tissue Disease due to Inadequate Collagen Turnover. Cell, 1999, 99, 81-92.	28.9	1,213
104	Uno, nessuno e centomila: Searching for the Identity of Mesodermal Progenitors. Experimental Cell Research, 1999, 251, 257-263.	2.6	117
105	Cellular Mechanisms of Age-Related Bone Loss. , 1999, , 145-157.		12
106	Vis-Ã-Vis Cells and the Priming of Bone Formation. Journal of Bone and Mineral Research, 1998, 13, 1852-1861.	2.8	52
107	Targeted disruption of the biglycan gene leads to an osteoporosis-like phenotype in mice. Nature Genetics, 1998, 20, 78-82.	21.4	543
108	Bone formation via cartilage models: The â€œborderlineâ€•chondrocyte. Matrix Biology, 1998, 17, 185-192.	3.6	162

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109	The Collagenous and Noncollagenous Proteins of Cells in the Osteoblastic Lineage. Advances in Organ Biology, 1998, 5, 565-589.	0.1	0
110	The bone marrow stroma <i>in vivo</i>: ontogeny, structure, cellular composition and changes in disease. , 1998, , 10-25.		30
111	EXPRESSION OFMet PROTEIN IN THYROID TUMOURS. , 1996, 180, 266-270.		79
112	Hypertrophic chondrocytes undergo further differentiation to osteoblast-like cells and participate in the initial bone formation in developing chick embryo. Journal of Bone and Mineral Research, 1994, 9, 1239-1249.	2.8	118
113	Confocal images of marrow stromal (Westen-Bainton) cells. Histochemistry, 1993, 100, 93-99.	1.9	40
114	Marrow stromal (Westen-Bainton) cells: Identification, morphometry, confocal imaging and changes in disease. Bone, 1993, 14, 315-320.	2.9	26
115	Journal of Bone and Mineral Research. Journal of Bone and Mineral Research, 1993, 8, S483-S487.	2.8	94
116	Endosteal surfaces in hyperparathyroidism: An enzyme cytochemical study on low-temperature-processed, glycol-methacrylate-embedded bone biopsies. Virchows Archiv A, Pathological Anatomy and Histopathology, 1991, 419, 425-431.	1.4	31
117	Expression of bone sialoprotein (BSP) in developing human tissues. Calcified Tissue International, 1991, 49, 421-426.	3.1	385