Pamela Robey

List of Publications by Year
in descending order

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300 papers	50,811 citations	3264 94 h-index	1680 220 g-index
311 all docs	311 docs citations	311 times ranked	38823 citing authors

#	Article	IF	Citations
1	Postnatal human dental pulp stem cells (DPSCs) in vitro and invivo. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13625-13630.	3.3	3,894
2	Investigation of multipotent postnatal stem cells from human periodontal ligament. Lancet, The, 2004, 364, 149-155.	6.3	2,920
3	SHED: Stem cells from human exfoliated deciduous teeth. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5807-5812.	3.3	2,404
4	Bone marrow stromal cells attenuate sepsis via prostaglandin E2â€“dependent reprogramming of host macrophages to increase their interleukin-10 production. Nature Medicine, 2009, 15, 42-49.	15.2	2,165
5	Self-Renewing Osteoprogenitors in Bone Marrow Sinusoids Can Organize a Hematopoietic Microenvironment. Cell, 2007, 131, 324-336.	13.5	2,001
6	Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications. Stem Cells, 2001, 19, 180-192.	1.4	1,768
7	Stem Cell Properties of Human Dental Pulp Stem Cells. Journal of Dental Research, 2002, 81, 531-535.	2.5	1,729
8	Mesenchymal Stem Cells: Revisiting History, Concepts, and Assays. Cell Stem Cell, 2008, 2, 313-319.	5.2	1,392
9	MT1-MMP-Deficient Mice Develop Dwarfism, Osteopenia, Arthritis, and Connective Tissue Disease due to Inadequate Collagen Turnover. Cell, 1999, 99, 81-92.	13.5	1,213
10	Isolation and characterization of type IV procollagen, laminin, and heparan sulfate proteoglycan from the EHS sarcoma. Biochemistry, 1982, 21, 6188-6193.	1.2	1,185
11	The meaning, the sense and the significance: translating the science of mesenchymal stem cells into medicine. Nature Medicine, 2013, 19, 35-42.	15.2	1,032
12	Surface protein characterization of human adipose tissue-derived stromal cells. Journal of Cellular Physiology, 2001, 189, 54-63.	2.0	965
13	Stem cells in tissue engineering. Nature, 2001, 414, 118-121.	13.7	870
14	A Mosaic Activating Mutation inAKT1Associated with the Proteus Syndrome. New England Journal of Medicine, 2011, 365, 611-619.	13.9	800
15	Human bone cellsin vitro. Calcified Tissue International, 1985, 37, 453-460.	1.5	684
16	Circulating Skeletal Stem Cells. Journal of Cell Biology, 2001, 153, 1133-1140.	2.3	632
17	Single-Colony Derived Strains of Human Marrow Stromal Fibroblasts Form Bone After Transplantation In Vivo. Journal of Bone and Mineral Research, 1997, 12, 1335-1347.	3.1	630
18	Expression and localization of the two small proteoglycans biglycan and decorin in developing human skeletal and non-skeletal tissues.. Journal of Histochemistry and Cytochemistry, 1990, 38, 1549-1563.	1.3	626

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19	Isolation of a heparan sulfate-containing proteoglycan from basement membrane.. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 4494-4498.	3.3	625
20	Enzyme-linked immunoassay (ELISA) for connective tissue components. Analytical Biochemistry, 1980, 104, 205-214.	1.1	616
21	FGF-23 in fibrous dysplasia of bone and its relationship to renal phosphate wasting. Journal of Clinical Investigation, 2003, 112, 683-692.	3.9	567
22	Osteoblasts synthesize and respond to transforming growth factor-type beta (TGF-beta) in vitro.. Journal of Cell Biology, 1987, 105, 457-463.	2.3	560
23	Targeted disruption of the biglycan gene leads to an osteoporosis-like phenotype in mice. Nature Genetics, 1998, 20, 78-82.	9.4	543
24	Marrow stromal stem cells. Journal of Clinical Investigation, 2000, 105, 1663-1668.	3.9	512
25	BONE FORMATION IN VIVO: COMPARISON OF OSTEOGENESIS BY TRANSPLANTED MOUSE AND HUMAN MARROW STROMAL FIBROBLASTS. Transplantation, 1997, 63, 1059-1069.	0.5	452
26	The efficacy of mesenchymal stem cells to regenerate and repair dental structures. Orthodontics and Craniofacial Research, 2005, 8, 191-199.	1.2	448
27	Preferential digestion of basement membrane collagen by an enzyme derived from a metastatic murine tumor.. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 2268-2272.	3.3	405
28	Phenotypic Effects of Biglycan Deficiency Are Linked to Collagen Fibril Abnormalities, Are Synergized by Decorin Deficiency, and Mimic Ehlers-Danlos-Like Changes in Bone and Other Connective Tissues. Journal of Bone and Mineral Research, 2002, 17, 1180-1189.	3.1	392
29	Expression of bone sialoprotein (BSP) in developing human tissues. Calcified Tissue International, 1991, 49, 421-426.	1.5	385
30	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.	2.3	378
31	Comparison of Stem-cell-mediated Osteogenesis and Dentinogenesis. Journal of Dental Research, 2003, 82, 976-981.	2.5	365
32	Bone formation by human postnatal bone marrow stromal stem cells is enhanced by telomerase expression. Nature Biotechnology, 2002, 20, 587-591.	9.4	351
33	Comparison of human dental pulp and bone marrow stromal stem cells by cDNA microarray analysis. Bone, 2001, 29, 532-539.	1.4	333
34	Bone matrix RGD glycoproteins: Immunolocalization and interaction with human primary osteoblastic bone cells in vitro. Journal of Bone and Mineral Research, 1994, 9, 487-496.	3.1	324
35	Integrin-mediated interactions between human bone marrow stromal precursor cells and the extracellular matrix. Bone, 2001, 28, 174-181.	1.4	323
36	Skeletal site-specific characterization of orofacial and iliac crest human bone marrow stromal cells in same individuals. Bone, 2006, 38, 758-768.	1.4	318

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37	BRD4 is an atypical kinase that phosphorylates Serine2 of the RNA Polymerase II carboxy-terminal domain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6927-6932.	3.3	313
38	Skeletal stem cells. Development (Cambridge), 2015, 142, 1023-1027.	1.2	302
39	Human Pluripotent Stem Cell Culture: Considerations for Maintenance, Expansion, and Therapeutics. Cell Stem Cell, 2014, 14, 13-26.	5.2	297
40	Factors required for bone marrow stromal fibroblast colony formation in vitro. British Journal of Haematology, 1997, 97, 561-570.	1.2	263
41	PHOG, a candidate gene for involvement in the short stature of Turner syndrome. Human Molecular Genetics, 1997, 6, 1341-1347.	1.4	255
42	The small leucineâ€rich proteoglycan biglycan modulates BMPâ€4â€induced osteoblast differentiation. FASEB Journal, 2004, 18, 948-958.	0.2	255
43	Partial purification and characterization of a neutral protease which cleaves type IV collagen. Biochemistry, 1981, 20, 100-104.	1.2	236
44	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
45	Mutations of the GNAS1 Gene, Stromal Cell Dysfunction, and Osteomalacic Changes in Non-McCune-Albright Fibrous Dysplasia of Bone. Journal of Bone and Mineral Research, 2000, 15, 120-128.	3.1	225
46	REPAIR OF CRANIOTOMY DEFECTS USING BONE MARROW STROMAL CELLS. Transplantation, 1998, 66, 1272-1278.	0.5	223
47	A crucial role of caspase-3 in osteogenic differentiation of bone marrow stromal stem cells. Journal of Clinical Investigation, 2004, 114, 1704-1713.	3.9	221
48	Extracellular Matrix Proteoglycans Control the Fate of Bone Marrow Stromal Cells. Journal of Biological Chemistry, 2005, 280, 30481-30489.	1.6	220
49	Clear up this stem-cell mess. Nature, 2018, 561, 455-457.	13.7	217
50	Reproduction of human fibrous dysplasia of bone in immunocompromised mice by transplanted mosaics of normal and Gsalpha-mutated skeletal progenitor cells.. Journal of Clinical Investigation, 1998, 101, 1737-1744.	3.9	197
51	Factor H Binding to Bone Sialoprotein and Osteopontin Enables Tumor Cell Evasion of Complement-mediated Attack. Journal of Biological Chemistry, 2000, 275, 16666-16672.	1.6	188
52	In vivo bone formation by human bone marrow stromal cells: Effect of carrier particle size and shape. Biotechnology and Bioengineering, 2001, 72, 96-107.	1.7	187
53	Normal Vision despite Narrowing of the Optic Canal in Fibrous Dysplasia. New England Journal of Medicine, 2002, 347, 1670-1676.	13.9	183
54	Biosynthesis of type IV procollagens. Biochemistry, 1980, 19, 1284-1289.	1.2	182

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55	Structure, Expression, and Regulation of the Major Noncollagenous Matrix Proteins of Bone. Clinical Orthopaedics and Related Research, 1992, &NA;, 275???294.	0.7	169
56	The Biochemistry of Bone. Endocrinology and Metabolism Clinics of North America, 1989, 18, 859-902.	1.2	167
57	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.	3.1	165
58	EFFECT OF SERUM ON HUMAN BONE MARROW STROMAL CELLS: EX VIVO EXPANSION AND IN VIVO BONE FORMATION. Transplantation, 2000, 70, 1780-1787.	0.5	158
59	Advances in stem cell research and therapeutic development. Nature Cell Biology, 2019, 21, 801-811.	4.6	158
60	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.	1.4	154
61	Characterization ofgsp-Mediated Growth Hormone Excess in the Context of McCune-Albright Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5104-5112.	1.8	145
62	Modulation of canonical Wnt signaling by the extracellular matrix component biglycan. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17022-17027.	3.3	144
63	Postnatal Skeletal Stem Cells. Methods in Enzymology, 2006, 419, 117-148.	0.4	142
64	Differential Expression of Human Lysyl Hydroxylase Genes, Lysine Hydroxylation, and Cross-Linking of Type I Collagen During Osteoblastic Differentiation In Vitro. Journal of Bone and Mineral Research, 1999, 14, 1272-1280.	3.1	140
65	â€œMesenchymal stem cellsâ€: fact or fiction, and implications in their therapeutic use. F1000Research, 2017, 6, 524.	0.8	137
66	Fracture Incidence in Polyostotic Fibrous Dysplasia and the McCune-Albright Syndrome. Journal of Bone and Mineral Research, 2003, 19, 571-577.	3.1	136
67	Age-Related Osteoporosis in Biglycan-Deficient Mice Is Related to Defects in Bone Marrow Stromal Cells. Journal of Bone and Mineral Research, 2002, 17, 331-340.	3.1	134
68	Localization of bone sialoprotein (BSP) to Golgi and post-Golgi secretory structures in osteoblasts and to discrete sites in early bone matrix.. Journal of Histochemistry and Cytochemistry, 1993, 41, 193-203.	1.3	133
69	Vertebrate Mineralized Matrix Proteins: Structure and Function. Connective Tissue Research, 1996, 35, 131-136.	1.1	131
70	In Vivo Bone Formation by Human Bone Marrow Stromal Cells: Reconstruction of the Mouse Calvarium and Mandible. Stem Cells, 2006, 24, 2140-2149.	1.4	130
71	Exercise-induced changes in the cortical bone of growing mice are bone- and gender-specific. Bone, 2007, 40, 1120-1127.	1.4	128
72	Osteogenic imprinting upstream of marrow stromal cell differentiation. Journal of Cellular Biochemistry, 2000, 78, 391-403.	1.2	124

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73	Telomerase Accelerates Osteogenesis of Bone Marrow Stromal Stem Cells by Upregulation of CBFA1, Osterix, and Osteocalcin. Journal of Bone and Mineral Research, 2003, 18, 716-722.	3.1	124
74	Thrombospondin is an osteoblast-derived component of mineralized extracellular matrix.. Journal of Cell Biology, 1989, 108, 719-727.	2.3	123
75	Onset, Progression, and Plateau of Skeletal Lesions in Fibrous Dysplasia and the Relationship to Functional Outcome. Journal of Bone and Mineral Research, 2007, 22, 1468-1474.	3.1	122
76	Age-Dependent Demise of GNAS-Mutated Skeletal Stem Cells and â€œNormalizationâ€•of Fibrous Dysplasia of Bone. Journal of Bone and Mineral Research, 2008, 23, 1731-1740.	3.1	119
77	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.	0.3	117
78	Multipotential Cells in the Bone Marrow Stroma: Regulation in the Context of Organ Physiology. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 159-173.	0.4	115
79	The interplay of osteogenesis and hematopoiesis. Journal of Cell Biology, 2004, 167, 1113-1122.	2.3	113
80	Osteontctin mRNA: distribution in normal and transformed cells. Nucleic Acids Research, 1986, 14, 4483-4497.	6.5	111
81	Age-related changes in hyaluronan, proteoglycan, collagen, and osteonectin synthesis by human bone cells. Journal of Cellular Physiology, 1992, 151, 215-227.	2.0	109
82	Thyroid Carcinoma in the McCune-Albright Syndrome: Contributory Role of Activating GsÎ± Mutations. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4413-4417.	1.8	109
83	Parathyroid-Specific Double Knockout of Gq and G11 Î±-Subunits Leads to a Phenotype Resembling Germline Knockout of the Extracellular Ca2+-Sensing Receptor. Molecular Endocrinology, 2007, 21, 274-280.	3.7	109
84	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.	3.1	107
85	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.	1.8	107
86	Stem Cells in the Face: Tooth Regeneration and Beyond. Cell Stem Cell, 2012, 11, 291-301.	5.2	106
87	In Vitro Model of Bromodeoxyuridine or Iron Oxide Nanoparticle Uptake by Activated Macrophages from Labeled Stem Cells: Implications for Cellular Therapy. Stem Cells, 2008, 26, 1366-1375.	1.4	105
88	Cell Sources for Bone Regeneration: The Good, the Bad, and the Ugly (But Promising). Tissue Engineering - Part B: Reviews, 2011, 17, 423-430.	2.5	105
89	Osteoclastogenesis in fibrous dysplasia of bone: in situ and in vitro analysis of IL-6 expression. Bone, 2003, 33, 434-442.	1.4	103
90	Fibrous Dysplasia as a Stem Cell Disease. Journal of Bone and Mineral Research, 2006, 21, P125-P131.	3.1	103

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91	Bone Marrow-Derived Mesenchymal Stromal Cells Harness Purinergenic Signaling to Tolerize Human Th1 Cells In Vivo. Stem Cells, 2015, 33, 1200-1212.	1.4	102
92	Changes in apatite crystal size in bones of patients with osteogenesis imperfecta. Calcified Tissue International, 1991, 49, 248-250.	1.5	101
93	Bone sialoprotein (BSP) secretion and osteoblast differentiation: relationship to bromodeoxyuridine incorporation, alkaline phosphatase, and matrix deposition.. Journal of Histochemistry and Cytochemistry, 1993, 41, 183-191.	1.3	101
94	Fetal bovine bone cells synthesize bone-specific matrix proteins.. Journal of Cell Biology, 1984, 99, 607-614.	2.3	98
95	Purification and fragmentation of nondenatured bone sialoprotein: Evidence for a cryptic, RGD-resistant cell attachment domain. Journal of Bone and Mineral Research, 1993, 8, 985-995.	3.1	97
96	Fibrous Dysplasia in the Spine. Journal of Bone and Joint Surgery - Series A, 2004, 86, 531-537.	1.4	96
97	Human bone cell enzyme expression and cellular heterogeneity: Correlation of alkaline phosphatase enzyme activity with cell cycle. Journal of Cellular Physiology, 1990, 144, 115-121.	2.0	95
98	Journal of Bone and Mineral Research. Journal of Bone and Mineral Research, 1993, 8, S483-S487.	3.1	94
99	Letrozole Treatment of Precocious Puberty in Girls with the McCune-Albright Syndrome: A Pilot Study. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 2100-2106.	1.8	93
100	Wnt/Î²-catenin signaling is differentially regulated by GÎ± proteins and contributes to fibrous dysplasia. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20101-20106.	3.3	92
101	Bi-allelic CSF1R Mutations Cause Skeletal Dysplasia of Dysosteosclerosis-Pyle Disease Spectrum and Degenerative Encephalopathy with Brain Malformation. American Journal of Human Genetics, 2019, 104, 925-935.	2.6	92
102	Detection of Specific Extracellular Matrix Molecules in Drusen, Bruch's Membrane, and Ciliary Body. American Journal of Ophthalmology, 1987, 104, 373-381.	1.7	91
103	Series Introduction: Stem cells near the century mark. Journal of Clinical Investigation, 2000, 105, 1489-1491.	3.9	89
104	Superparamagnetic Iron Oxide Nanoparticles Labeling of Bone Marrow Stromal (Mesenchymal) Cells Does Not Affect Their â€œStemnessâ€• PLoS ONE, 2010, 5, e11462.	1.1	89
105	Receptor tyrosine kinase expression in human bone marrow stromal cells. , 1998, 177, 426-438.		88
106	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.	3.1	87
107	Path to the Clinic: Assessment of iPSC-Based Cell Therapies InÂVivo in a Nonhuman Primate Model. Cell Reports, 2014, 7, 1298-1309.	2.9	84
108	Directed Differentiation of Human Induced Pluripotent Stem Cells Toward Bone and Cartilage: In Vitro Versus In Vivo Assays. Stem Cells Translational Medicine, 2014, 3, 867-878.	1.6	84

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109	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.	0.3	83
110	Bone Marrow Mesenchymal Stromal Cells to Treat Tissue Damage in Allogeneic Stem Cell Transplant Recipients: Correlation of Biological Markers with Clinical Responses. Stem Cells, 2014, 32, 1278-1288.	1.4	83
111	LONG-TERM OUTCOME OF OPTIC NERVE ENCASEMENT AND OPTIC NERVE DECOMPRESSION IN PATIENTS WITH FIBROUS DYSPLASIA. Neurosurgery, 2006, 59, 1011-1018.	0.6	81
112	In Vivo Transfer of Intracellular Labels from Locally Implanted Bone Marrow Stromal Cells to Resident Tissue Macrophages. PLoS ONE, 2009, 4, e6712.	1.1	80
113	The use of adult stem cells in rebuilding the human face. Journal of the American Dental Association, 2006, 137, 961-972.	0.7	79
114	Regulation of stem cell therapies under attack in Europe: for whom the bell tolls. EMBO Journal, 2013, 32, 1489-1495.	3.5	79
115	WNT1-induced Secreted Protein-1 (WISP1), a Novel Regulator of Bone Turnover and Wnt Signaling. Journal of Biological Chemistry, 2015, 290, 14004-14018.	1.6	79
116	Species Differences in Growth Requirements for Bone Marrow Stromal Fibroblast Colony Formation In Vitro. Calcified Tissue International, 1996, 59, 265-270.	1.5	77
117	Transfer, analysis, and reversion of the fibrous dysplasia cellular phenotype in human skeletal progenitors. Journal of Bone and Mineral Research, 2010, 25, 1103-1116.	3.1	77
118	Canine Cranial Reconstruction Using Autologous Bone Marrow Stromal Cells. American Journal of Pathology, 2006, 168, 542-550.	1.9	76
119	Biglycan modulates angiogenesis and bone formation during fracture healing. Matrix Biology, 2014, 35, 223-231.	1.5	76
120	Dental characteristics of fibrous dysplasia and McCune-Albright syndrome. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2003, 96, 275-282.	1.6	73
121	Diseases of Bone and the Stromal Cell Lineage. Journal of Bone and Mineral Research, 1999, 14, 336-341.	3.1	72
122	Age-related Changes in Human Bone Proteoglycan Structure. Journal of Biological Chemistry, 2002, 277, 43638-43647.	1.6	71
123	Extracellular matrix formation by osteoblasts from patients with osteogenesis imperfecta. Journal of Bone and Mineral Research, 1992, 7, 921-930.	3.1	67
124	Comparison of the molecular profiles of human embryonic and induced pluripotent stem cells of isogenic origin. Stem Cell Research, 2014, 12, 376-386.	0.3	67
125	In Vivo Bone Formation by Progeny of Human Embryonic Stem Cells. Stem Cells and Development, 2011, 20, 269-287.	1.1	66
126	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.	3.1	66

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127	Circulating Connective Tissue Precursors: Extreme Rarity in Humans and Chondrogenic Potential in Guinea Pigs. Stem Cells, 2007, 25, 1830-1839.	1.4	65
128	Activation of RANK/RANKL/OPG Pathway Is Involved in the Pathophysiology of Fibrous Dysplasia and Associated With Disease Burden. Journal of Bone and Mineral Research, 2019, 34, 290-294.	3.1	65
129	Stromal-derived IL-6 alters the balance of myeloerythroid progenitors during Toxoplasma gondii infection. Journal of Leukocyte Biology, 2012, 92, 123-131.	1.5	64
130	Manufacturing Differences Affect Human Bone Marrow Stromal Cell Characteristics and Function: Comparison of Production Methods and Products from Multiple Centers. Scientific Reports, 2017, 7, 46731.	1.6	64
131	WISP1/CCN4: A Potential Target for Inhibiting Prostate Cancer Growth and Spread to Bone. PLoS ONE, 2013, 8, e71709.	1.1	64
132	Dental and Skeletal Stem Cells: Potential Cellular Therapeutics for Craniofacial Regeneration. Journal of Dental Education, 2002, 66, 766-773.	0.7	63
133	Phenotypic and genotypic characterisation of Noonan-like/multiple giant cell lesion syndrome. Journal of Medical Genetics, 2005, 42, e11-e11.	1.5	62
134	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.	1.6	62
135	Bone Marrow Stromal Cell Assays: In Vitro and In Vivo. Methods in Molecular Biology, 2014, 1130, 279-293.	0.4	62
136	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.	3.1	61
137	Skeletal progenitors and the GNAS gene: fibrous dysplasia of bone read through stem cells. Journal of Molecular Endocrinology, 2010, 45, 355-364.	1.1	61
138	Differential display of human marrow stromal cells reveals unique mRNA expression patterns in response to dexamethasone. Journal of Cellular Biochemistry, 2000, 76, 231-243.	1.2	60
139	Formation of hematopoietic territories and bone by transplanted human bone marrow stromal cells requires a critical cell density. Experimental Hematology, 2007, 35, 995-1004.	0.2	60
140	p53 Loss Increases the Osteogenic Differentiation of Bone Marrow Stromal Cells. Stem Cells, 2015, 33, 1304-1319.	1.4	60
141	Osteonectin, bone proteoglycan, and phosphophoryn defects in a form of bovine osteogenesis imperfecta.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 2213-2217.	3.3	59
142	Global transcriptome analysis of human bone marrow stromal cells (BMSC) reveals proliferative, mobile and interactive cells that produce abundant extracellular matrix proteins, some of which may affect BMSC potency. Cytotherapy, 2011, 13, 661-674.	0.3	59
143	The X-chromosomal human biglycan gene BGN is subject to X inactivation but is transcribed like an X-Y homologous gene. Human Genetics, 1995, 96, 44-52.	1.8	57
144	A Novel GNAS1 Mutation, R201G, in McCune-Albright Syndrome. Journal of Bone and Mineral Research, 1999, 14, 1987-1989.	3.1	57

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145	Cementum-Forming Cells Are Phenotypically Distinct from Bone-Forming Cells. Journal of Bone and Mineral Research, 2000, 15, 52-59.	3.1	57
146	Intra-subject variability in human bone marrow stromal cell (BMSC) replicative senescence: Molecular changes associated with BMSC senescence. Stem Cell Research, 2013, 11, 1060-1073.	0.3	57
147	Age-related changes in human oestrogen receptor Î± function and levels in osteoblasts. Biochemical Journal, 1998, 333, 787-794.	1.7	56
148	Normal Human Cementum-Derived Cells: Isolation, Clonal Expansion, and In Vitro and In Vivo Characterization. Journal of Bone and Mineral Research, 2009, 13, 1547-1554.	3.1	56
149	Mutant DLX 3 disrupts odontoblast polarization and dentin formation. Developmental Biology, 2010, 344, 682-692.	0.9	56
150	Modeling plasticity and dysplasia of pancreatic ductal organoids derived from human pluripotent stem cells. Cell Stem Cell, 2021, 28, 1105-1124.e19.	5.2	53
151	TGFâ€Î²1 and WISPâ€1/CCNâ€4 can regulate each other's activity to cooperatively control osteoblast function. Journal of Cellular Biochemistry, 2008, 104, 1865-1878.	1.2	52
152	Extracellular matrix stoichiometry in osteoblasts from patients with osteogenesis imperfecta. Journal of Bone and Mineral Research, 1995, 10, 1122-1129.	3.1	52
153	Bone marrow microenvironment in myelomagenesis: its potential role in early diagnosis. Expert Review of Molecular Diagnostics, 2010, 10, 465-480.	1.5	52
154	Gene Expression Profile of Human Bone Marrow Stromal Cells: High-Throughput Expressed Sequence Tag Sequencing Analysis. Genomics, 2002, 79, 7-17.	1.3	51
155	Pegvisomant for the Treatment of gsp-Mediated Growth Hormone Excess in Patients with McCune-Albright Syndrome. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 2960-2966.	1.8	48
156	Non-colony type monolayer culture of human embryonic stem cells. Stem Cell Research, 2012, 9, 237-248.	0.3	48
157	Bone Formation in Transplants of Human Bone Marrow Stromal Cells and Hydroxyapatiteâ€“Tricalcium Phosphate: Prediction with Quantitative CT in Mice. Radiology, 2004, 230, 369-376.	3.6	46
158	Generation of clinical grade human bone marrow stromal cells for use in bone regeneration. Bone, 2015, 70, 87-92.	1.4	46
159	Creation of New Bone by the Percutaneous Injection of Human Bone Marrow Stromal Cell and HA/TCP Suspensions. Tissue Engineering - Part A, 2008, 14, 1949-1958.	1.6	45
160	The mechanical phenotype of biglycan-deficient mice is bone- and gender-specific. Bone, 2006, 39, 106-116.	1.4	44
161	Mutations in NOTCH2 in patients with Hajduâ€“Cheney syndrome. Osteoporosis International, 2013, 24, 2275-2281.	1.3	43
162	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.	6.5	42

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163	Physical function is impaired but quality of life preserved in patients with fibrous dysplasia of bone. Bone, 2005, 37, 388-394.	1.4	42
164	Alternate protein kinase A activity identifies a unique population of stromal cells in adult bone. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8683-8688.	3.3	42
165	The establishment of a bank of stored clinical bone marrow stromal cell products. Journal of Translational Medicine, 2012, 10, 23.	1.8	42
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