Pamela Robey

List of Publications by Year in Descending Order

289 papers	43,133 citations	86 h-index	206 g-index
311 ext. papers	46,746 ext. citations	8.2 avg, IF	7.15 L-index

#	Paper	IF	Citations
289	Inhibition of BMP signaling with LDN 193189 can influence bone marrow stromal cell fate but does not prevent hypertrophy during chondrogenesis.. *Stem Cell Reports*, **2022**, 17, 616-632	8	1
288	From Stem Cells to Bone-Forming Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
287	Modeling plasticity and dysplasia of pancreatic ductal organoids derived from human pluripotent stem cells. *Cell Stem Cell*, **2021**, 28, 1105-1124.e19	18	23
286	The Survey on Cellular and Tissue-Engineered Therapies in Europe in 2016 and 2017. *Tissue Engineering - Part A*, **2021**, 27, 336-350	3.9	2
285	A single day of TGF- exposure activates chondrogenic and hypertrophic differentiation pathways in bone marrow-derived stromal cells. *Communications Biology*, **2021**, 4, 29	6.7	8
284	Remembering Dr John D Termine. *Journal of Bone and Mineral Research*, **2021**, 36, 1647-1648	6.3	
283	Quantitative Craniofacial Analysis and Generation of Human Induced Pluripotent Stem Cells for Muenke Syndrome: A Case Report. *Journal of Developmental Biology*, **2021**, 9,	3.5	0
282	The regulatory role of matrix proteins in mineralization of bone **2021**, 165-187		1
281	Bone Marrow Stromal Cell Assays: In Vitro and In Vivo. *Methods in Molecular Biology*, **2021**, 2230, 379-396	1.4	4
280	Secreted frizzled related-protein 2 (Sfrp2) deficiency decreases adult skeletal stem cell function in mice. *Bone Research*, **2021**, 9, 49	13.3	2
279	Generation of human induced pluripotent stem cell line (NIDCRi001-A) from a Muenke syndrome patient with an FGFR3 p.Pro250Arg mutation. *Stem Cell Research*, **2020**, 46, 101823	1.6	1
278	Changes in gene expression in human skeletal stem cells transduced with constitutively active Gs correlates with hallmark histopathological changes seen in fibrous dysplastic bone. *PLoS ONE*, **2020**, 15, e0227279	3.7	3
277	Skeletal Regeneration: Stem Cell Therapy **2020**, 119-134		
276	Intramyocardial Bone Marrow Stem Cells in Patients Undergoing Cardiac Surgical Revascularization. *Annals of Thoracic Surgery*, **2020**, 109, 1142-1149	2.7	11
275	Skeletal stem cells: Tissue-specific stem/progenitor cells of cartilage, bone, stroma, and marrow adipocytes **2020**, 45-71		2
274	Lineage-specific differentiation of osteogenic progenitors from pluripotent stem cells reveals the FGF1-RUNX2 association in neural crest-derived osteoprogenitors. *Stem Cells*, **2020**, 38, 1107-1123	5.8	9
273	Erythropoietin modulates bone marrow stromal cell differentiation. *Bone Research*, **2019**, 7, 21	13.3	21

272	Advances in stem cell research and therapeutic development. *Nature Cell Biology*, **2019**, 21, 801-811	23.4	90
271	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	11	56
270	RANKL Inhibition in Fibrous Dysplasia of Bone: A Preclinical Study in a Mouse Model of the Human Disease. *Journal of Bone and Mineral Research*, **2019**, 34, 2171-2182	6.3	21
269	Standardised Nomenclature, Abbreviations, and Units for the Study of Bone Marrow Adiposity: Report of the Nomenclature Working Group of the International Bone Marrow Adiposity Society. *Frontiers in Endocrinology*, **2019**, 10, 923	5.7	16
268	In Vivo Formation of Stable Hyaline Cartilage by Naïve Human Bone Marrow Stromal Cells with Modified Fibrin Microbeads. *Stem Cells Translational Medicine*, **2019**, 8, 586-592	6.9	13
267	Neonatal McCune-Albright Syndrome: A Unique Syndromic Profile With an Unfavorable Outcome. *JBMR Plus*, **2019**, 3, e10134	3.9	3
266	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	6.3	33
265	Comparison of human bone marrow stromal cells cultured in human platelet growth factors and fetal bovine serum. *Journal of Translational Medicine*, **2018**, 16, 65	8.5	18
264	Concise Review: Conceptualizing Paralogous Stem-Cell Niches and Unfolding Bone Marrow Progenitor Cell Identities. *Stem Cells*, **2018**, 36, 11-21	5.8	19
263	Pluripotent Stem Cell Platforms for Drug Discovery. *Trends in Molecular Medicine*, **2018**, 24, 805-820	11.5	24
262	Continuing Challenges in Advancing Preclinical Science in Skeletal Cell-Based Therapies and Tissue Regeneration. *Journal of Bone and Mineral Research*, **2018**, 33, 1721-1728	6.3	5
261	Combinatorial cassettes to systematically evaluate tissue-engineered constructs in recipient mice. *Biomaterials*, **2018**, 186, 31-43	15.6	6
260	The Composition of Bone **2018**, 84-92		4
259	Skeletal Stem Cells/Bone Marrow Stromal Cells **2018**, 241-260		
258	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	4.9	48
257	Human umbilical cord blood-borne fibroblasts contain marrow niche precursors that form a bone/marrow organoid. *Development (Cambridge)*, **2017**, 144, 1035-1044	6.6	14
256	Mouse Genetic Analysis of Bone Marrow Stem Cell Niches: Technological Pitfalls, Challenges, and Translational Considerations. *Stem Cell Reports*, **2017**, 9, 1343-1358	8	19
255	"Mesenchymal stem cells": fact or fiction, and implications in their therapeutic use. *F1000Research*, **2017**, 6,	3.6	101

254	Bisphosphonate-induced zebra lines in fibrous dysplasia of bone: histo-radiographic correlation in a case of McCune-Albright syndrome. *Skeletal Radiology*, **2017**, 46, 1435-1439	2.7	11
253	No Identical "Mesenchymal Stem Cells" 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	8	274
252	Human bone marrow stromal cell confluence: effects on cell characteristics and methods of assessment. *Cytotherapy*, **2015**, 17, 897-911	4.8	23
251	Molecular profile of clonal strains of human skeletal stem/progenitor cells with different potencies. *Stem Cell Research*, **2015**, 14, 297-306	1.6	23
250	WNT1-induced Secreted Protein-1 (WISP1), a Novel Regulator of Bone Turnover and Wnt Signaling. *Journal of Biological Chemistry*, **2015**, 290, 14004-18	5.4	57
249	Impaired function of bone marrow stromal cells in systemic mastocytosis. *Stem Cell Research*, **2015**, 15, 42-53	1.6	7
248	Generation of clinical grade human bone marrow stromal cells for use in bone regeneration. *Bone*, **2015**, 70, 87-92	4.7	39
247	Stem cells and bone diseases: new tools, new perspective. *Bone*, **2015**, 70, 55-61	4.7	12
246	Paolo Bianco (1955-2015). *Cell Stem Cell*, **2015**, 17, 649-50	18	1
245	Osteoblast-specific expression of the fibrous dysplasia (FD)-causing mutation Gsα(R201C) produces a high bone mass phenotype but does not reproduce FD in the mouse. *Journal of Bone and Mineral Research*, **2015**, 30, 1030-43	6.3	16
244	Bone marrow skeletal stem/progenitor cell defects in dyskeratosis congenita and telomere biology disorders. *Blood*, **2015**, 125, 793-802	2.2	26
243	Mice Deficient in AKAP13 (BRX) Are Osteoporotic and Have Impaired Osteogenesis. *Journal of Bone and Mineral Research*, **2015**, 30, 1887-95	6.3	11
242	Variations in Glycogen Synthesis in Human Pluripotent Stem Cells with Altered Pluripotent States. *PLoS ONE*, **2015**, 10, e0142554	3.7	15
241	Skeletal stem cells. *Development (Cambridge)*, **2015**, 142, 1023-7	6.6	215
240	Missense mutation in the PTEN promoter of a patient with hemifacial hyperplasia. *BoneKEy Reports*, **2015**, 4, 654		4
239	p53 loss increases the osteogenic differentiation of bone marrow stromal cells. *Stem Cells*, **2015**, 33, 1304-19	5.8	47
238	Bone marrow-derived mesenchymal stromal cells harness purinergenic signaling to tolerize human Th1 cells in vivo. *Stem Cells*, **2015**, 33, 1200-12	5.8	85
237	Human pluripotent stem cell culture: considerations for maintenance, expansion, and therapeutics. *Cell Stem Cell*, **2014**, 14, 13-26	18	238

236	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, 1278-88	5.8	67
235	Bone marrow stromal cell assays: in vitro and in vivo. *Methods in Molecular Biology*, **2014**, 1130, 279-293	1.4	47
234	Path to the clinic: assessment of iPSC-based cell therapies in vivo in a nonhuman primate model. *Cell Reports*, **2014**, 7, 1298-1309	10.6	64
233	Comparison of the molecular profiles of human embryonic and induced pluripotent stem cells of isogenic origin. *Stem Cell Research*, **2014**, 12, 376-86	1.6	53
232	Directed differentiation of human induced pluripotent stem cells toward bone and cartilage: in vitro versus in vivo assays. *Stem Cells Translational Medicine*, **2014**, 3, 867-78	6.9	71
231	Developmental insights from early mammalian embryos and core signaling pathways that influence human pluripotent cell growth and differentiation. *Stem Cell Research*, **2014**, 12, 610-21	1.6	25
230	Alternative cultures for human pluripotent stem cell production, maintenance, and genetic analysis. *Journal of Visualized Experiments*, **2014**,	1.6	5
229	Constitutive expression of Gs(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, 2357-68	6.3	47
228	Postnatal Stem Cells in Tissue Engineering **2014**, 639-653		
227	A randomized, double blind, placebo-controlled trial of alendronate treatment for fibrous dysplasia of bone. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 4133-40	5.6	73
226	Establishing a bone marrow stromal cell transplant program at the National Institutes of Health Clinical Center. *Tissue Engineering - Part B: Reviews*, **2014**, 20, 200-5	7.9	19
225	Biglycan modulates angiogenesis and bone formation during fracture healing. *Matrix Biology*, **2014**, 35, 223-31	11.4	66
224	In vivo formation of bone and haematopoietic territories by transplanted human bone marrow stromal cells generated in medium with and without osteogenic supplements. *Journal of Tissue Engineering and Regenerative Medicine*, **2013**, 7, 226-35	4.4	17
223	Mutations in NOTCH2 in patients with Hajdu-Cheney syndrome. *Osteoporosis International*, **2013**, 24, 2275-81	5.3	36
222	The Regulatory Role of Matrix Proteins in Mineralization of Bone **2013**, 235-255		11
221	Regulation of stem cell therapies under attack in Europe: for whom the bell tolls. *EMBO Journal*, **2013**, 32, 1489-95	13	72
220	Intra-subject variability in human bone marrow stromal cell (BMSC) replicative senescence: molecular changes associated with BMSC senescence. *Stem Cell Research*, **2013**, 11, 1060-73	1.6	51
219	The meaning, the sense and the significance: translating the science of mesenchymal stem cells into medicine. *Nature Medicine*, **2013**, 19, 35-42	50.5	877

218	Stem Cells in Tissue Engineering **2013**, 965-972		1
217	WISP1/CCN4: a potential target for inhibiting prostate cancer growth and spread to bone. *PLoS ONE*, **2013**, 8, e71709	3.7	51
216	MSCs: The Need to Rethink **2013**, 43-57		
215	Phase 1 Trial Of Bone Marrow Stromal Cells (Bone Marrow-derived MSCS) To Treat Tissue Damage In Allogeneic Stem Cell Transplant Recipients: Biological Markers Correlate With Clinical Responses and Survival. *Blood*, **2013**, 122, 3282-3282	2.2	
214	The establishment of a bank of stored clinical bone marrow stromal cell products. *Journal of Translational Medicine*, **2012**, 10, 23	8.5	38
213	Stromal-derived IL-6 alters the balance of myeloerythroid progenitors during Toxoplasma gondii infection. *Journal of Leukocyte Biology*, **2012**, 92, 123-31	6.5	48
212	Regulation and expression of the ATP-binding cassette transporter ABCG2 in human embryonic stem cells. *Stem Cells*, **2012**, 30, 2175-87	5.8	33
211	Stem cells in the face: tooth regeneration and beyond. *Cell Stem Cell*, **2012**, 11, 291-301	18	88
210	Non-colony type monolayer culture of human embryonic stem cells. *Stem Cell Research*, **2012**, 9, 237-48	1.6	38
209	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, 6927-32	11.5	266
208	A mosaic activating mutation in AKT1 associated with the Proteus syndrome. *New England Journal of Medicine*, **2011**, 365, 611-9	59.2	662
207	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, 661-74	4.8	49
206	Senescence of Cultured Bone Marrow Stromal Cells. *Biology of Blood and Marrow Transplantation*, **2011**, 17, S216-S217	4.7	2
205	Wnt/β-catenin signaling is differentially regulated by Gα proteins and contributes to fibrous dysplasia. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20101-6	11.5	71
204	In vivo bone formation by progeny of human embryonic stem cells. *Stem Cells and Development*, **2011**, 20, 269-87	4.4	62
203	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, 17022-7	11.5	101
202	Cell sources for bone regeneration: the good, the bad, and the ugly (but promising). *Tissue Engineering - Part B: Reviews*, **2011**, 17, 423-30	7.9	99
201	Skeletal progenitors and the GNAS gene: fibrous dysplasia of bone read through stem cells. *Journal of Molecular Endocrinology*, **2010**, 45, 355-64	4.5	55

200	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, 8683-8	11.5	34
199	"Mesenchymal" 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, 1057-66	4.8	136
198	Bone marrow microenvironment in myelomagenesis: its potential role in early diagnosis. *Expert Review of Molecular Diagnostics*, **2010**, 10, 465-80	3.8	46
197	Mutant DLX 3 disrupts odontoblast polarization and dentin formation. *Developmental Biology*, **2010** , 344, 682-92	3.1	40
196	Transfer, analysis, and reversion of the fibrous dysplasia cellular phenotype in human skeletal progenitors. *Journal of Bone and Mineral Research*, **2010**, 25, 1103-16	6.3	58
195	Superparamagnetic iron oxide nanoparticles labeling of bone marrow stromal (mesenchymal) cells does not affect their "stemness". *PLoS ONE*, **2010**, 5, e11462	3.7	85
194	Tracking Senescence In Human Bone Marrow Stromal Cell (BMSC) Cultures.. *Blood*, **2010**, 116, 1179-1179	2.2	
193	Cytotoxicity mediated by the Fas ligand (FasL)-activated apoptotic pathway in stem cells. *Journal of Biological Chemistry*, **2009**, 284, 22022-22028	5.4	33
192	Enumeration of the colony-forming units-fibroblast from mouse and human bone marrow in normal and pathological conditions. *Stem Cell Research*, **2009**, 2, 83-94	1.6	70
191	Bone marrow stromal cells attenuate sepsis via prostaglandin E(2)-dependent reprogramming of host macrophages to increase their interleukin-10 production. *Nature Medicine*, **2009**, 15, 42-9	50.5	1823
190	Reply to ΟMesenchymal stem cells: another anti-inflammatory treatment for sepsis?Ο*Nature Medicine*, **2009**, 15, 602-602	50.5	
189	Microstructure and mineral composition of dystrophic calcification associated with the idiopathic inflammatory myopathies. *Arthritis Research and Therapy*, **2009**, 11, R159	5.7	29
188	In vivo transfer of intracellular labels from locally implanted bone marrow stromal cells to resident tissue macrophages. *PLoS ONE*, **2009**, 4, e6712	3.7	75
187	Postnatal Stem Cells in Tissue Engineering **2009**, 583-590		
186	Comparative Global Transcriptome Analysis of Bone Marrow Stromal Cells (BMSC), Human Embryonic Stem (hES) Cells and CD34+ Cells.. *Blood*, **2009**, 114, 36-36	2.2	
185	Mesenchymal stem cells: revisiting history, concepts, and assays. *Cell Stem Cell*, **2008**, 2, 313-9	18	1180
184	Development of craniofacial structures in transgenic mice with constitutively active PTH/PTHrP receptor. *Bone*, **2008**, 42, 321-31	4.7	24
183	Self-Renewing Osteoprogenitors in Bone Marrow Sinusoids Can Organize a Hematopoietic Microenvironment. *Cell*, **2008**, 133, 928	56.2	4

182	Cell source **2008**, 279-306		
181	Creation of new bone by the percutaneous injection of human bone marrow stromal cell and HA/TCP suspensions. *Tissue Engineering - Part A*, **2008**, 14, 1949-58	3.9	44
180	Noncollagenous Bone Matrix Proteins **2008**, 335-349		10
179	The Regulatory Role of Matrix Proteins in Mineralization of Bone **2008**, 191-240		6
178	TGF-beta1 and WISP-1/CCN-4 can regulate each other's activity to cooperatively control osteoblast function. *Journal of Cellular Biochemistry*, **2008**, 104, 1865-78	4.7	48
177	Long-term stable canine mandibular augmentation using autologous bone marrow stromal cells and hydroxyapatite/tricalcium phosphate. *Biomaterials*, **2008**, 29, 4211-6	15.6	30
176	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, 1366-75	5.8	97
175	Age-dependent demise of GNAS-mutated skeletal stem cells and "normalization" of fibrous dysplasia of bone. *Journal of Bone and Mineral Research*, **2008**, 23, 1731-40	6.3	88
174	Circulating connective tissue precursors: extreme rarity in humans and chondrogenic potential in guinea pigs. *Stem Cells*, **2007**, 25, 1830-9	5.8	57
173	Postnatal Stem Cells **2007**, 459-468		
172	Sensitive and specific method for detecting G protein-coupled receptor mRNAs. *Nature Methods*, **2007**, 4, 35-7	21.6	11
171	Formation of hematopoietic territories and bone by transplanted human bone marrow stromal cells requires a critical cell density. *Experimental Hematology*, **2007**, 35, 995-1004	3.1	54
170	Onset, progression, and plateau of skeletal lesions in fibrous dysplasia and the relationship to functional outcome. *Journal of Bone and Mineral Research*, **2007**, 22, 1468-74	6.3	90
169	Skeletal ("mesenchymal") stem cells for tissue engineering. *Methods in Molecular Medicine*, **2007**, 140, 83-99		23
168	Parathyroid-specific double knockout of Gq and G11 alpha-subunits leads to a phenotype resembling germline knockout of the extracellular Ca2+ -sensing receptor. *Molecular Endocrinology*, **2007**, 21, 274-80		95
167	Letrozole treatment of precocious puberty in girls with the McCune-Albright syndrome: a pilot study. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 2100-6	5.6	76
166	GNAS transcripts in skeletal progenitors: evidence for random asymmetric allelic expression of Gs alpha. *Human Molecular Genetics*, **2007**, 16, 1921-30	5.6	25
165	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.e1-12		53

164	Self-renewing osteoprogenitors in bone marrow sinusoids can organize a hematopoietic microenvironment. *Cell*, **2007**, 131, 324-36	56.2	1713
163	Exercise-induced changes in the cortical bone of growing mice are bone- and gender-specific. *Bone*, **2007**, 40, 1120-7	4.7	110
162	Pegvisomant for the treatment of gsp-mediated growth hormone excess in patients with McCune-Albright syndrome. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 2960-6	5.6	42
161	The correlation of specific orthopaedic features of polyostotic fibrous dysplasia with functional outcome scores in children. *Journal of Bone and Joint Surgery - Series A*, **2006**, 88, 818-23	5.6	18
160	The use of adult stem cells in rebuilding the human face. *Journal of the American Dental Association*, **2006**, 137, 961-72	1.9	73
159	Fibrous dysplasia as a stem cell disease. *Journal of Bone and Mineral Research*, **2006**, 21 Suppl 2, P125-31	6.3	70
158	Canine cranial reconstruction using autologous bone marrow stromal cells. *American Journal of Pathology*, **2006**, 168, 542-50	5.8	71
157	Postnatal skeletal stem cells. *Methods in Enzymology*, **2006**, 419, 117-48	1.7	128
156	Skeletal site-specific characterization of orofacial and iliac crest human bone marrow stromal cells in same individuals. *Bone*, **2006**, 38, 758-68	4.7	259
155	The mechanical phenotype of biglycan-deficient mice is bone- and gender-specific. *Bone*, **2006**, 39, 106-16	4.7	39
154	Long-term outcome of optic nerve encasement and optic nerve decompression in patients with fibrous dysplasia: risk factors for blindness and safety of observation. *Neurosurgery*, **2006**, 59, 1011-7; discussion 1017-8	3.2	56
153	In vivo bone formation by human bone marrow stromal cells: reconstruction of the mouse calvarium and mandible. *Stem Cells*, **2006**, 24, 2140-9	5.8	114
152	Monostotic fibrous dysplasia of the proximal femur and liposclerosing myxofibrous tumor: which one is which?. *Journal of Bone and Mineral Research*, **2006**, 21, 1955-8	6.3	19
151	In vitro chromosome aberration tests using human dental pulp cells to detect the carcinogenic potential of chemical agents. *Odontology / the Society of the Nippon Dental University*, **2006**, 94, 44-50	3.6	16
150	THE CORRELATION OF SPECIFIC ORTHOPAEDIC FEATURES OF POLYOSTOTIC FIBROUS DYSPLASIA WITH FUNCTIONAL OUTCOME SCORES IN CHILDREN. *Journal of Bone and Joint Surgery - Series A*, **2006**, 88, 818-823	5.6	1
149	Identification of differentially expressed genes between osteoarthritic and normal trabecular bone from the intertrochanteric region of the proximal femur using cDNA microarray analysis. *Bone*, **2005**, 36, 635-44	4.7	21
148	Physical function is impaired but quality of life preserved in patients with fibrous dysplasia of bone. *Bone*, **2005**, 37, 388-94	4.7	37
147	An instrument to measure skeletal burden and predict functional outcome in fibrous dysplasia of bone. *Journal of Bone and Mineral Research*, **2005**, 20, 219-26	6.3	82

146	The efficacy of mesenchymal stem cells to regenerate and repair dental structures. *Orthodontics and Craniofacial Research*, **2005**, 8, 191-9	3	385
145	Phenotypic and genotypic characterisation of Noonan-like/multiple giant cell lesion syndrome. *Journal of Medical Genetics*, **2005**, 42, e11	5.8	53
144	Extracellular matrix proteoglycans control the fate of bone marrow stromal cells. *Journal of Biological Chemistry*, **2005**, 280, 30481-9	5.4	200
143	A crucial role of caspase-3 in osteogenic differentiation of bone marrow stromal stem cells. *Journal of Clinical Investigation*, **2004**, 114, 1704-13	15.9	195
142	Stem Cells in Tissue Engineering **2004**, 785-792		2
141	Bone formation in transplants of human bone marrow stromal cells and hydroxyapatite-tricalcium phosphate: prediction with quantitative CT in mice. *Radiology*, **2004**, 230, 369-76	20.5	41
140	The interplay of osteogenesis and hematopoiesis: expression of a constitutively active PTH/PTHrP receptor in osteogenic cells perturbs the establishment of hematopoiesis in bone and of skeletal stem cells in the bone marrow. *Journal of Cell Biology*, **2004**, 167, 1113-22	7.3	102
139	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	20.1	36
138	The small leucine-rich proteoglycan biglycan modulates BMP-4-induced osteoblast differentiation. *FASEB Journal*, **2004**, 18, 948-58	0.9	237
137	Skeletal Stem Cells **2004**, 415-424		26
136	Analyses of variable panoramic radiographic characteristics of maxillo-mandibular fibrous dysplasia in McCune-Albright syndrome. *Oral Diseases*, **2004**, 10, 36-43	3.5	24
135	Fracture incidence in polyostotic fibrous dysplasia and the McCune-Albright syndrome. *Journal of Bone and Mineral Research*, **2004**, 19, 571-7	6.3	108
134	Investigation of multipotent postnatal stem cells from human periodontal ligament. *Lancet, The*, **2004**, 364, 149-55	40	2408
133	Fibrous Dysplasia in the Spine. *Journal of Bone and Joint Surgery - Series A*, **2004**, 86, 531-537	5.6	71
132	Metastasis in the Bone Marrow Microenvironment. *Cancer Metastasis - Biology and Treatment*, **2004**, 71-85		
131	Thyroid carcinoma in the McCune-Albright syndrome: contributory role of activating Gs alpha mutations. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 4413-7	5.6	91
130	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	1.4	5
129	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	1.4	23

128	FGF-23 in fibrous dysplasia of bone and its relationship to renal phosphate wasting. *Journal of Clinical Investigation*, **2003**, 112, 683-92	15.9	459
127	Telomerase accelerates osteogenesis of bone marrow stromal stem cells by upregulation of CBFA1, osterix, and osteocalcin. *Journal of Bone and Mineral Research*, **2003**, 18, 716-22	6.3	111
126	Osteomalacic and hyperparathyroid changes in fibrous dysplasia of bone: core biopsy studies and clinical correlations. *Journal of Bone and Mineral Research*, **2003**, 18, 1235-46	6.3	68
125	Dental characteristics of fibrous dysplasia and McCune-Albright syndrome. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics*, **2003**, 96, 275-82		59
124	Osteoclastogenesis in fibrous dysplasia of bone: in situ and in vitro analysis of IL-6 expression. *Bone* , **2003**, 33, 434-42	4.7	80
123	SHED: stem cells from human exfoliated deciduous teeth. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 5807-12	11.5	1992
122	Comparison of stem-cell-mediated osteogenesis and dentinogenesis. *Journal of Dental Research*, **2003**, 82, 976-81	8.1	321
121	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	1.4	85
120	Bone formation by human postnatal bone marrow stromal stem cells is enhanced by telomerase expression. *Nature Biotechnology*, **2002**, 20, 587-91	44.5	322
119	Ribbing disease: radiographic and biochemical characterization, lack of response to pamidronate. *Skeletal Radiology*, **2002**, 31, 714-9	2.7	26
118	Age-related osteoporosis in biglycan-deficient mice is related to defects in bone marrow stromal cells. *Journal of Bone and Mineral Research*, **2002**, 17, 331-40	6.3	123
117	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, 1180-9	6.3	333
116	Normal vision despite narrowing of the optic canal in fibrous dysplasia. *New England Journal of Medicine*, **2002**, 347, 1670-6	59.2	147
115	Characterization of gsp-mediated growth hormone excess in the context of McCune-Albright syndrome. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 5104-12	5.6	123
114	Age-related changes in human bone proteoglycan structure. Impact of osteogenesis imperfecta. *Journal of Biological Chemistry*, **2002**, 277, 43638-47	5.4	63
113	Gene expression profile of human bone marrow stromal cells: high-throughput expressed sequence tag sequencing analysis. *Genomics*, **2002**, 79, 7-17	4.3	42
112	Stem cell properties of human dental pulp stem cells. *Journal of Dental Research*, **2002**, 81, 531-5	8.1	1481
111	Dental and Skeletal Stem Cells: Potential Cellular Therapeutics for Craniofacial Regeneration. *Journal of Dental Education*, **2002**, 66, 766-773	1.6	47

110	Bone Matrix Proteoglycans and Glycoproteins **2002**, 225-237		13
109	Dental and skeletal stem cells: potential cellular therapeutics for craniofacial regeneration. *Journal of Dental Education*, **2002**, 66, 766-73	1.6	26
108	In vivo bone formation by human bone marrow stromal cells: effect of carrier particle size and shape. *Biotechnology and Bioengineering*, **2001**, 72, 96-107	4.9	166
107	Surface protein characterization of human adipose tissue-derived stromal cells. *Journal of Cellular Physiology*, **2001**, 189, 54-63	7	869
106	Bone marrow stromal stem cells: nature, biology, and potential applications. *Stem Cells*, **2001**, 19, 180-92	5.8	1592
105	Angiomatosis of bone with localized mineralization defect. *Journal of Bone and Mineral Research*, **2001**, 16, 1750-3	6.3	1
104	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, 806-13	6.3	131
103	Gnathodiaphyseal dysplasia: a syndrome of fibro-osseous lesions of jawbones, bone fragility, and long bone bowing. *Journal of Bone and Mineral Research*, **2001**, 16, 1710-8	6.3	46
102	Stem cells in tissue engineering. *Nature*, **2001**, 414, 118-21	50.4	774
101	Circulating skeletal stem cells. *Journal of Cell Biology*, **2001**, 153, 1133-40	7.3	576
100	Integrin-mediated interactions between human bone marrow stromal precursor cells and the extracellular matrix. *Bone*, **2001**, 28, 174-81	4.7	308
99	Comparison of human dental pulp and bone marrow stromal stem cells by cDNA microarray analysis. *Bone*, **2001**, 29, 532-9	4.7	298
98	Clinical picture: fuel on the fire. *Lancet, The*, **2001**, 357, 2011	40	12
97	The Biochemistry of Bone **2001**, 107-188		17
96	Effect of serum on human bone marrow stromal cells: ex vivo expansion and in vivo bone formation. *Transplantation*, **2000**, 70, 1780-7	1.8	133
95	Osteogenic imprinting upstream of marrow stromal cell differentiation. *Journal of Cellular Biochemistry*, **2000**, 78, 391-403	4.7	120
94	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, 120-8	6.3	181
93	Cementum-forming cells are phenotypically distinct from bone-forming cells. *Journal of Bone and Mineral Research*, **2000**, 15, 52-9	6.3	51

92	Marrow stromal stem cells. *Journal of Clinical Investigation*, **2000**, 105, 1663-8	15.9	456
91	Skeletogenesis. In vitro analysis of bone cell differentiation. *Methods in Molecular Biology*, **2000**, 137, 391-7	1.4	1
90	Factor H binding to bone sialoprotein and osteopontin enables tumor cell evasion of complement-mediated attack. *Journal of Biological Chemistry*, **2000**, 275, 16666-72	5.4	151
89	Double FYVE-containing protein 1 (DFCP1): isolation, cloning and characterization of a novel FYVE finger protein from a human bone marrow cDNA library. *Gene*, **2000**, 255, 195-203	3.8	22
88	Postnatal human dental pulp stem cells (DPSCs) in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 13625-30	11.5	3215
87	Stem cells near the century mark. *Journal of Clinical Investigation*, **2000**, 105, 1489-91	15.9	70
86	Differential display of human marrow stromal cells reveals unique mRNA expression patterns in response to dexamethasone. *Journal of Cellular Biochemistry*, **1999**, 76, 231-43	4.7	55
85	Multipotential cells in the bone marrow stroma: regulation in the context of organ physiology. *Critical Reviews in Eukaryotic Gene Expression*, **1999**, 9, 159-73	1.3	101
84	A novel GNAS1 mutation, R201G, in McCune-albright syndrome. *Journal of Bone and Mineral Research*, **1999**, 14, 1987-9	6.3	42
83	Diseases of bone and the stromal cell lineage. *Journal of Bone and Mineral Research*, **1999**, 14, 336-41	6.3	62
82	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, 1272-80	6.3	121
81	Efficient gene transfer into normal human skeletal cells using recombinant adenovirus and conjugated adenovirus-DNA complexes. *Calcified Tissue International*, **1999**, 64, 45-9	3.9	8
80	An animal model of fibrous dysplasia. *Trends in Molecular Medicine*, **1999**, 5, 322-3		10
79	The role of osteogenic cells in the pathophysiology of Paget© disease. *Journal of Bone and Mineral Research*, **1999**, 14 Suppl 2, 9-16	6.3	12
78	The histopathology of fibrous dysplasia of bone in patients with activating mutations of the Gs alpha gene: site-specific patterns and recurrent histological hallmarks. *Journal of Pathology*, **1999**, 187, 249-58	9.4	189
77	MT1-MMP-deficient mice develop dwarfism, osteopenia, arthritis, and connective tissue disease due to inadequate collagen turnover. *Cell*, **1999**, 99, 81-92	56.2	1104
76	Cellular Mechanisms of Age-Related Bone Loss **1999**, 145-157		10
75	Normal human cementum-derived cells: isolation, clonal expansion, and in vitro and in vivo characterization. *Journal of Bone and Mineral Research*, **1998**, 13, 1547-54	6.3	52

74	Immortalization and characterization of bone marrow stromal fibroblasts from a patient with a loss of function mutation in the estrogen receptor-alpha gene. *Journal of Bone and Mineral Research*, **1998**, 13, 598-608	6.3	14
73	Targeted disruption of the biglycan gene leads to an osteoporosis-like phenotype in mice. *Nature Genetics*, **1998**, 20, 78-82	36.3	498
72	Receptor tyrosine kinase expression in human bone marrow stromal cells. *Journal of Cellular Physiology*, **1998**, 177, 426-38	7	79
71	The Collagenous and Noncollagenous Proteins of Cells in the Osteoblastic Lineage. *Advances in Organ Biology*, **1998**, 5, 565-589		
70	Age-related changes in human oestrogen receptor alpha function and levels in osteoblasts. *Biochemical Journal*, **1998**, 333 (Pt 3), 787-94	3.8	53
69	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, 1737-44	15.9	166
68	Repair of craniotomy defects using bone marrow stromal cells. *Transplantation*, **1998**, 66, 1272-8	1.8	195
67	PHOG, a candidate gene for involvement in the short stature of Turner syndrome. *Human Molecular Genetics*, **1997**, 6, 1341-7	5.6	192
66	Functional characterization of the human biglycan 5Gflanking DNA and binding of the transcription factor c-Krox. *Journal of Bone and Mineral Research*, **1997**, 12, 2050-60	6.3	25
65	Single-colony derived strains of human marrow stromal fibroblasts form bone after transplantation in vivo. *Journal of Bone and Mineral Research*, **1997**, 12, 1335-47	6.3	573
64	The human bone sialoprotein gene contains an NF-E1/YY1 cis-acting sequence with putative regulatory activity. *Calcified Tissue International*, **1997**, 60, 276-82	3.9	9
63	Factors required for bone marrow stromal fibroblast colony formation in vitro. *British Journal of Haematology*, **1997**, 97, 561-70	4.5	243
62	Bone formation in vivo: comparison of osteogenesis by transplanted mouse and human marrow stromal fibroblasts. *Transplantation*, **1997**, 63, 1059-69	1.8	406
61	Species differences in growth requirements for bone marrow stromal fibroblast colony formation In vitro. *Calcified Tissue International*, **1996**, 59, 265-70	3.9	73
60	Vertebrate mineralized matrix proteins: structure and function. *Connective Tissue Research*, **1996**, 35, 131-6	3.3	117
59	Biosynthesis of bone sialoprotein by a human osteoclast-like cell line (FLG 29.1). *Journal of Bone and Mineral Research*, **1995**, 10, 187-96	6.3	15
58	Extracellular matrix stoichiometry in osteoblasts from patients with osteogenesis imperfecta. *Journal of Bone and Mineral Research*, **1995**, 10, 1122-9	6.3	44
57	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	6.3	52

56	The anatomy of bone sialoprotein immunoreactive sites in bone as revealed by combined ultrastructural histochemistry and immunohistochemistry. *Calcified Tissue International*, **1995**, 57, 277-84	3.9	34
55	The bone cell biology of osteogenesis imperfecta. *Connective Tissue Research*, **1995**, 31, 269-73	3.3	10
54	Human Models of Skeletal Aging: Introduction. *Calcified Tissue International*, **1995**, 56, S2-S2	3.9	1
53	Aging and the Human Skeleton: Recommendations for Research. *Calcified Tissue International*, **1995**, 56, S3-S4	3.9	3
52	Collagenase-Treated Trabecular Bone Fragments: A Reproducible Source of Cells in the Osteoblastic Lineage. *Calcified Tissue International*, **1995**, 56, S11-S12	3.9	27
51	Age-Related Changes in Bone Matrix Structure In Vitro. *Calcified Tissue International*, **1995**, 56, S41-S43	3.9	13
50	Bone marrow interface: preferential attachment of an osteoblastic marrow stromal cell line. *Journal of Cellular Biochemistry*, **1995**, 59, 151-60	4.7	15
49	In vitro structural and functional relationships between preosteoclastic and bone endothelial cells: a juxtacrine model for migration and adhesion of osteoclast precursors. *Journal of Cellular Physiology*, **1995**, 162, 199-212	7	23
48	Bone matrix RGD glycoproteins: immunolocalization and interaction with human primary osteoblastic bone cells in vitro. *Journal of Bone and Mineral Research*, **1994**, 9, 487-96	6.3	288
47	Production and characterization of an antibody against the human bone GLA protein (BGP/osteocalcin) propeptide and its use in immunocytochemistry of bone cells. *Bone and Mineral*, **1994**, 25, 167-82		28
46	Purification and fragmentation of nondenatured bone sialoprotein: evidence for a cryptic, RGD-resistant cell attachment domain. *Journal of Bone and Mineral Research*, **1993**, 8, 985-95	6.3	86
45	Structure and molecular regulation of bone matrix proteins. *Journal of Bone and Mineral Research*, **1993**, 8 Suppl 2, S483-7	6.3	72
44	Partial characterization of a novel CCAAT/GATA factor which binds to the osteonectin promoter in bovine bone cells. *Gene*, **1993**, 130, 225-32	3.8	14
43	Bone sialoprotein (BSP) secretion and osteoblast differentiation: relationship to bromodeoxyuridine incorporation, alkaline phosphatase, and matrix deposition. *Journal of Histochemistry and Cytochemistry*, **1993**, 41, 183-91	3.4	92
42	Chapter 24. RGD-Containing Proteins and Bone. *Annual Reports in Medicinal Chemistry*, **1993**, 28, 227-236	1.6	5
41	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	3.4	123
40	Extracellular matrix formation by osteoblasts from patients with osteogenesis imperfecta. *Journal of Bone and Mineral Research*, **1992**, 7, 921-30	6.3	53
39	Structure, Expression, and Regulation of the Major Noncollagenous Matrix Proteins of Bone. *Clinical Orthopaedics and Related Research*, **1992**, &NA;, 275???294	2.2	68

38	Sodium fluoride does not increase human bone cell proliferation or protein synthesis in vitro. *Calcified Tissue International*, **1992**, 50, 96-7	3.9	11
37	Renal tubular epithelial cells express osteonectin in vivo and in vitro. *Kidney International*, **1992**, 41, 56-64	3.9	13
36	Age-related changes in hyaluronan, proteoglycan, collagen, and osteonectin synthesis by human bone cells. *Journal of Cellular Physiology*, **1992**, 151, 215-27	7	98
35	Expression of the osteonectin gene potentially controlled by multiple cis- and trans-acting factors in cultured bone cells. *Journal of Bone and Mineral Research*, **1991**, 6, 1127-36	6.3	15
34	Expression of bone sialoprotein (BSP) in developing human tissues. *Calcified Tissue International*, **1991**, 49, 421-6	3.9	342
33	Changes in apatite crystal size in bones of patients with osteogenesis imperfecta. *Calcified Tissue International*, **1991**, 49, 248-50	3.9	90
32	High-performance liquid chromatographic separation of hyaluronan and four proteoglycans produced by human bone cell cultures. *Analytical Biochemistry*, **1990**, 188, 398-407	3.1	23
31	Sodium fluoride does not increase human bone cell proliferation or protein synthesis in vitro. *Calcified Tissue International*, **1990**, 47, 221-9	3.9	26
30	Human bone cell enzyme expression and cellular heterogeneity: correlation of alkaline phosphatase enzyme activity with cell cycle. *Journal of Cellular Physiology*, **1990**, 144, 115-21	7	82
29	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, 1549-63	3.4	568
28	Interaction of Osteonectin and Type I Collagen in Bone Cells. *Annals of the New York Academy of Sciences*, **1990**, 580, 526-528	6.5	3
27	Thrombospondin is an osteoblast-derived component of mineralized extracellular matrix. *Journal of Cell Biology*, **1989**, 108, 719-27	7.3	112
26	Monoclonal antibodies against osteonectin show conservation of epitopes across species. *Calcified Tissue International*, **1989**, 45, 74-80	3.9	18
25	The Biochemistry of Bone. *Endocrinology and Metabolism Clinics of North America*, **1989**, 18, 859-902	5.5	122
24	Detection of extracellular matrix molecules synthesized in vitro by monkey and human retinal pigment epithelium: influence of donor age and multiple passages. *Experimental Eye Research*, **1988** , 46, 305-21	3.7	35
23	Synthesis of glycoconjugates by trabecular meshwork of glaucomatous corneoscleral explants. *Experimental Eye Research*, **1988**, 46, 111-5	3.7	4
22	Osteoblasts synthesize and respond to transforming growth factor-type beta (TGF-beta) in vitro. *Journal of Cell Biology*, **1987**, 105, 457-63	7.3	504
21	Bone glycoproteins. *Methods in Enzymology*, **1987**, 145, 269-89	1.7	9

20	Detection of specific extracellular matrix molecules in drusen, Bruch's membrane, and ciliary body. *American Journal of Ophthalmology*, **1987**, 104, 373-81	4.9	84
19	Osteonectin content in human osteogenesis imperfecta bone shows a range similar to that of two bovine models of OI. *Calcified Tissue International*, **1987**, 40, 260-4	3.9	16
18	Osteonectin mRNA: distribution in normal and transformed cells. *Nucleic Acids Research*, **1986**, 14, 4483-97	20.1	104
17	Human bone cellsin vitro. *Calcified Tissue International*, **1985**, 37, 453-460	3.9	617
16	Fetal bovine bone cells synthesize bone-specific matrix proteins. *Journal of Cell Biology*, **1984**, 99, 607-14	7.3	84
15	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, 2213-7	11.5	53
14	C-reactive protein in human lattice corneal dystrophy. *Current Eye Research*, **1982**, 2, 721-4	2.9	9
13	Defective phosphorylation and processing of beta-hexosaminidase by intact cultured fibroblasts from patients with mucolipidosis III. *Archives of Biochemistry and Biophysics*, **1982**, 213, 251-7	4.1	17
12	Isolation and characterization of type IV procollagen, laminin, and heparan sulfate proteoglycan from the EHS sarcoma. *Biochemistry*, **1982**, 21, 6188-93	3.2	1059
11	Partial purification and characterization of a neutral protease which cleaves type IV collagen. *Biochemistry*, **1981**, 20, 100-4	3.2	215
10	Biosynthesis of type IV and V (alpha A-alpha B) collagens by human placenta. *Collagen and Related Research*, **1981**, 1, 137-50		27
9	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, 4494-8	11.5	566
8	Enzyme-linked immunoassay (ELISA) for connective tissue components. *Analytical Biochemistry*, **1980**, 104, 205-14	3.1	559
7	Biosynthesis of type IV procollagens. *Biochemistry*, **1980**, 19, 1284-9	3.2	173
6	Effect of dexamethasone on collagen metabolism in two strains of mice. *Biochemical Pharmacology*, **1979**, 28, 2261-6	6	12
5	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, 2268-72	11.5	368
4	Connective tissue stem and progenitor cells34-43		
3	Construction and in Vivo Efficacy of a Replication-Deficient Recombinant Adenovirus Encoding Murine Growth Hormone		6

2	Characterisation of ovine bone marrow-derived stromal cells (oBMSC) and evaluation of chondrogenically induced micro-pellets for cartilage tissue repair in vivo	1
1	Micro-pellet culture reveals that bone marrow mesenchymal stromal cell (BMSC) chondrogenic induction is triggered by a single day of TGF-β1 exposure	5