

Moustapha Kassem

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327
papers

19,547
citations

75
h-index

128
g-index

338
ext. papers

21,347
ext. citations

6
avg, IF

6.74
L-index

#	Paper	IF	Citations
327	Aging is associated with decreased maximal life span and accelerated senescence of bone marrow stromal cells. <i>Bone</i> , 2003 , 33, 919-26	4.7	933
326	Telomerase expression extends the proliferative life-span and maintains the osteogenic potential of human bone marrow stromal cells. <i>Nature Biotechnology</i> , 2002 , 20, 592-6	44.5	648
325	Adipocyte tissue volume in bone marrow is increased with aging and in patients with osteoporosis. <i>Biogerontology</i> , 2001 , 2, 165-71	4.5	577
324	Mechanism of divergent growth factor effects in mesenchymal stem cell differentiation. <i>Science</i> , 2005 , 308, 1472-7	33.3	495
323	Playing with bone and fat. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 251-66	4.7	426
322	MicroRNA-138 regulates osteogenic differentiation of human stromal (mesenchymal) stem cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6139-44	11.5	386
321	System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation. <i>Science Signaling</i> , 2011 , 4, rs3	8.8	347
320	CD146 expression on primary nonhematopoietic bone marrow stem cells is correlated with in situ localization. <i>Blood</i> , 2011 , 117, 5067-77	2.2	313
319	Adult human mesenchymal stem cell as a target for neoplastic transformation. <i>Oncogene</i> , 2004 , 23, 5095-8	5.8	304
318	Human mesenchymal stem cells: from basic biology to clinical applications. <i>Gene Therapy</i> , 2008 , 15, 109-16	1.6	300
317	Mesenchymal stem cell ingrowth and differentiation on coralline hydroxyapatite scaffolds. <i>Biomaterials</i> , 2007 , 28, 1036-47	15.6	296
316	Isolation and characterization of osteoblast precursor cells from human bone marrow. <i>Journal of Bone and Mineral Research</i> , 1996 , 11, 312-24	6.3	291
315	Human stromal (mesenchymal) stem cells from bone marrow, adipose tissue and skin exhibit differences in molecular phenotype and differentiation potential. <i>Stem Cell Reviews and Reports</i> , 2013 , 9, 32-43	6.4	272
314	Bone regeneration and stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 718-46	5.6	254
313	Number and proliferative capacity of osteogenic stem cells are maintained during aging and in patients with osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 1120-9	6.3	214
312	Maintenance of differentiation potential of human bone marrow mesenchymal stem cells immortalized by human telomerase reverse transcriptase gene despite [corrected] extensive proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 326, 527-38	3.4	208
311	Regulation of human skeletal stem cells differentiation by Dlk1/Pref-1. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 841-52	6.3	198

310	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. <i>Cell Death and Disease</i> , 2017 , 8, e3045	9.8	196
309	Smooth muscle cells in atherosclerosis originate from the local vessel wall and not circulating progenitor cells in ApoE knockout mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2698-702	8.4	194
308	Sensitivity of fibroblast growth factor 23 measurements in tumor-induced osteomalacia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 2055-61	5.6	189
307	Growth hormone stimulates proliferation and differentiation of normal human osteoblast-like cells in vitro. <i>Calcified Tissue International</i> , 1993 , 52, 222-6	3.9	186
306	Teratoma formation by human embryonic stem cells is site dependent and enhanced by the presence of Matrigel. <i>Stem Cells and Development</i> , 2009 , 18, 47-54	4.4	177
305	Differential expression profiling of membrane proteins by quantitative proteomics in a human mesenchymal stem cell line undergoing osteoblast differentiation. <i>Stem Cells</i> , 2005 , 23, 1367-77	5.8	175
304	Mesenchymal stem cells: cell biology and potential use in therapy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2004 , 95, 209-14	3.1	172
303	Age- and sex-related changes in iliac cortical bone mass and remodeling. <i>Bone</i> , 1993 , 14, 681-91	4.7	170
302	Mesenchymal stem cells: biological characteristics and potential clinical applications. <i>Cloning and Stem Cells</i> , 2004 , 6, 369-74		164
301	Maintenance of osteoblastic and adipocytic differentiation potential with age and osteoporosis in human marrow stromal cell cultures. <i>Calcified Tissue International</i> , 2002 , 71, 36-44	3.9	164
300	Osteoblasts in osteoporosis: past, emerging, and future anabolic targets. <i>European Journal of Endocrinology</i> , 2011 , 165, 1-10	6.5	154
299	Resveratrol inhibits myeloma cell growth, prevents osteoclast formation, and promotes osteoblast differentiation. <i>Cancer Research</i> , 2005 , 65, 9943-52	10.1	151
298	Tumorigenic heterogeneity in cancer stem cells evolved from long-term cultures of telomerase-immortalized human mesenchymal stem cells. <i>Cancer Research</i> , 2005 , 65, 3126-35	10.1	150
297	Selenium supplementation restores the antioxidative capacity and prevents cell damage in bone marrow stromal cells in vitro. <i>Stem Cells</i> , 2006 , 24, 1226-35	5.8	149
296	Senescence-associated intrinsic mechanisms of osteoblast dysfunctions. <i>Aging Cell</i> , 2011 , 10, 191-7	9.9	145
295	Induction of adipocyte-like phenotype in human mesenchymal stem cells by hypoxia. <i>Stem Cells</i> , 2004 , 22, 1346-55	5.8	145
294	Effects of high glucose on mesenchymal stem cell proliferation and differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 209-15	3.4	139
293	MicroRNA-34a inhibits osteoblast differentiation and in vivo bone formation of human stromal stem cells. <i>Stem Cells</i> , 2014 , 32, 902-12	5.8	136

292	The human umbilical cord blood: a potential source for osteoblast progenitor cells. <i>Calcified Tissue International</i> , 2003 , 72, 135-42	3.9	132
291	Patients with high bone mass phenotype exhibit enhanced osteoblast differentiation and inhibition of adipogenesis of human mesenchymal stem cells. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 1720-31	6.3	127
290	Demonstration of the presence of independent pre-osteoblastic and pre-adipocytic cell populations in bone marrow-derived mesenchymal stem cells. <i>Bone</i> , 2008 , 43, 32-39	4.7	116
289	Inhibition of osteoblast differentiation but not adipocyte differentiation of mesenchymal stem cells by sera obtained from aged females. <i>Bone</i> , 2006 , 39, 181-8	4.7	112
288	Hormone replacement therapy prevents osteoclastic hyperactivity: A histomorphometric study in early postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 1999 , 14, 1217-21	6.3	112
287	Mechanisms in endocrinology: micro-RNAs: targets for enhancing osteoblast differentiation and bone formation. <i>European Journal of Endocrinology</i> , 2012 , 166, 359-71	6.5	111
286	Demonstration of cellular aging and senescence in serially passaged long-term cultures of human trabecular osteoblasts. <i>Osteoporosis International</i> , 1997 , 7, 514-24	5.3	109
285	MAPKs are essential upstream signaling pathways in proteolytic cartilage degradation--divergence in pathways leading to aggrecanase and MMP-mediated articular cartilage degradation. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 279-88	6.2	107
284	Subcutaneous adipocytes can differentiate into bone-forming cells in vitro and in vivo. <i>Tissue Engineering</i> , 2004 , 10, 381-91		105
283	Smooth muscle cells healing atherosclerotic plaque disruptions are of local, not blood, origin in apolipoprotein E knockout mice. <i>Circulation</i> , 2007 , 116, 2053-61	16.7	104
282	Troglitazone treatment increases bone marrow adipose tissue volume but does not affect trabecular bone volume in mice. <i>Calcified Tissue International</i> , 2001 , 69, 46-50	3.9	102
281	Flow perfusion culture of human mesenchymal stem cells on silicate-substituted tricalcium phosphate scaffolds. <i>Biomaterials</i> , 2008 , 29, 2616-27	15.6	100
280	Concise Review: Quiescence in Adult Stem Cells: Biological Significance and Relevance to Tissue Regeneration. <i>Stem Cells</i> , 2015 , 33, 2903-12	5.8	98
279	Stable isotope labeling by amino acids in cell culture (SILAC) and quantitative comparison of the membrane proteomes of self-renewing and differentiating human embryonic stem cells. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 959-70	7.6	98
278	Estrogen inhibits interleukin-6 production and gene expression in a human osteoblastic cell line with high levels of estrogen receptors. <i>Journal of Bone and Mineral Research</i> , 1996 , 11, 193-9	6.3	98
277	Human bone-marrow-derived mesenchymal stem cells: biological characteristics and potential role in therapy of degenerative diseases. <i>Cell and Tissue Research</i> , 2008 , 331, 157-63	4.2	98
276	microRNA-320/RUNX2 axis regulates adipocytic differentiation of human mesenchymal (skeletal) stem cells. <i>Cell Death and Disease</i> , 2014 , 5, e1499	9.8	97
275	Effect of dynamic 3-D culture on proliferation, distribution, and osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 89, 96-107	5.4	97

274	Controversial issue: is it safe to employ mesenchymal stem cells in cell-based therapies?. <i>Experimental Gerontology</i> , 2008 , 43, 1018-23	4.5	96
273	The histone H2B monoubiquitination regulatory pathway is required for differentiation of multipotent stem cells. <i>Molecular Cell</i> , 2012 , 46, 705-13	17.6	95
272	New factors controlling the balance between osteoblastogenesis and adipogenesis. <i>Bone</i> , 2012 , 50, 540-57	4.7	94
271	Concise review: bridging the gap: bone regeneration using skeletal stem cell-based strategies - where are we now?. <i>Stem Cells</i> , 2014 , 32, 35-44	5.8	93
270	Morphology, proliferation, and osteogenic differentiation of mesenchymal stem cells cultured on titanium, tantalum, and chromium surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 448-58	5.4	92
269	Fracture risk in perimenopausal women treated with beta-blockers. <i>Calcified Tissue International</i> , 2004 , 75, 365-72	3.9	91
268	TiO ₂ -based phosphoproteomic analysis of the plasma membrane and the effects of phosphatase inhibitor treatment. <i>Journal of Proteome Research</i> , 2008 , 7, 3304-13	5.6	90
267	Cloning and identification of genes that associate with mammalian replicative senescence. <i>Experimental Cell Research</i> , 1998 , 240, 66-74	4.2	90
266	Osteogenesis depends on commissioning of a network of stem cell transcription factors that act as repressors of adipogenesis. <i>Nature Genetics</i> , 2019 , 51, 716-727	36.3	89
265	High-Fat Diet-Induced Obesity Promotes Expansion of Bone Marrow Adipose Tissue and Impairs Skeletal Stem Cell Functions in Mice. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 1154-1165	6.3	87
264	Wnt signalling mediates the cross-talk between bone marrow derived pre-adipocytic and pre-osteoblastic cell populations. <i>Experimental Cell Research</i> , 2011 , 317, 745-56	4.2	87
263	Low/negative expression of PDGFR- β identifies the candidate primary mesenchymal stromal cells in adult human bone marrow. <i>Stem Cell Reports</i> , 2014 , 3, 965-74	8	84
262	Cerebral transplantation of encapsulated mesenchymal stem cells improves cellular pathology after experimental traumatic brain injury. <i>Neuroscience Letters</i> , 2009 , 463, 176-81	3.3	84
261	Enhanced differentiation of human embryonic stem cells to mesenchymal progenitors by inhibition of TGF-beta/activin/nodal signaling using SB-431542. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1216-33	6.3	83
260	Tissue distribution and engraftment of human mesenchymal stem cells immortalized by human telomerase reverse transcriptase gene. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 330, 633-40	3.4	82
259	microRNA expression profiling on individual breast cancer patients identifies novel panel of circulating microRNA for early detection. <i>Scientific Reports</i> , 2016 , 6, 25997	4.9	81
258	Identifying a molecular phenotype for bone marrow stromal cells with in vivo bone-forming capacity. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 796-808	6.3	79
257	The effects of IGF-I and IGF-II on proliferation and differentiation of human osteoblasts and interactions with growth hormone. <i>European Journal of Clinical Investigation</i> , 1998 , 28, 176-83	4.6	78

256	Skeletal (stromal) stem cells: an update on intracellular signaling pathways controlling osteoblast differentiation. <i>Bone</i> , 2015 , 70, 28-36	4.7	77
255	Production and action of transforming growth factor-beta in human osteoblast cultures: dependence on cell differentiation and modulation by calcitriol. <i>European Journal of Clinical Investigation</i> , 2000 , 30, 429-37	4.6	77
254	siRNA nanoparticle functionalization of nanostructured scaffolds enables controlled multilineage differentiation of stem cells. <i>Molecular Therapy</i> , 2010 , 18, 2018-27	11.7	76
253	Biochemical markers of bone metabolism reflect osteoclastic and osteoblastic activity in multiple myeloma. <i>European Journal of Haematology</i> , 2000 , 64, 121-9	3.8	76
252	dlk1/FA1 regulates the function of human bone marrow mesenchymal stem cells by modulating gene expression of pro-inflammatory cytokines and immune response-related factors. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7339-51	5.4	74
251	Self-assembled composite matrix in a hierarchical 3-D scaffold for bone tissue engineering. <i>Acta Biomaterialia</i> , 2011 , 7, 2244-55	10.8	73
250	Genome-wide mRNA and miRNA expression profiling reveal multiple regulatory networks in colorectal cancer. <i>Cell Death and Disease</i> , 2015 , 6, e1614	9.8	72
249	Telomerase-deficient mice exhibit bone loss owing to defects in osteoblasts and increased osteoclastogenesis by inflammatory microenvironment. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1494-505	6.3	71
248	Pegvisomant-induced serum insulin-like growth factor-I normalization in patients with acromegaly returns elevated markers of bone turnover to normal. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5650-5	5.6	71
247	Effect of hormone replacement therapy on bone quality in early postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 2003 , 18, 955-9	6.3	70
246	Circulating osteogenic cells: implications for injury, repair, and regeneration. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1685-93	6.3	68
245	The use of mesenchymal (skeletal) stem cells for treatment of degenerative diseases: current status and future perspectives. <i>Journal of Cellular Physiology</i> , 2009 , 218, 9-12	7	68
244	Aging of marrow stromal (skeletal) stem cells and their contribution to age-related bone loss. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009 , 1792, 364-70	6.9	68
243	The von Kossa reaction for calcium deposits: silver lactate staining increases sensitivity and reduces background. <i>The Histochemical Journal</i> , 1993 , 25, 446-51		68
242	The Bone Marrow-Derived Stromal Cells: Commitment and Regulation of Adipogenesis. <i>Frontiers in Endocrinology</i> , 2016 , 7, 127	5.7	68
241	MDM2 Associates with Polycomb Repressor Complex 2 and Enhances Stemness-Promoting Chromatin Modifications Independent of p53. <i>Molecular Cell</i> , 2016 , 61, 68-83	17.6	67
240	Ultrastructural investigations of bone resorptive cells in two types of autosomal dominant osteopetrosis. <i>Bone</i> , 1993 , 14, 865-9	4.7	66
239	1,25-dihydroxyvitamin D3 potentiates fluoride-stimulated collagen type I production in cultures of human bone marrow stromal osteoblast-like cells. <i>Journal of Bone and Mineral Research</i> , 1993 , 8, 1453-8	6.3	65

238	Effect of hyaluronan on osteogenic differentiation of porcine bone marrow stromal cells in vitro. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 713-20	3.8	65
237	Temporal profiling and pulsed SILAC labeling identify novel secreted proteins during ex vivo osteoblast differentiation of human stromal stem cells. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 989-1007	4.6	64
236	Estrogen effects on insulin-like growth factor gene expression in a human osteoblastic cell line with high levels of estrogen receptor. <i>Calcified Tissue International</i> , 1998 , 62, 60-6	3.9	63
235	Human serum is as efficient as fetal bovine serum in supporting proliferation and differentiation of human multipotent stromal (mesenchymal) stem cells in vitro and in vivo. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 860-8	6.4	62
234	MicroRNA-320 suppresses colorectal cancer by targeting SOX4, FOXM1, and FOXQ1. <i>Oncotarget</i> , 2016 , 7, 35789-35802	3.3	62
233	Mice deficient in 11beta-hydroxysteroid dehydrogenase type 1 lack bone marrow adipocytes, but maintain normal bone formation. <i>Endocrinology</i> , 2004 , 145, 1916-25	4.8	61
232	Osteoblastic cells: differentiation and trans-differentiation. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 473, 183-7	4.1	60
231	Dlk1/FA1 is a novel endocrine regulator of bone and fat mass and its serum level is modulated by growth hormone. <i>Endocrinology</i> , 2007 , 148, 3111-21	4.8	60
230	Assessment of bone formation capacity using in vivo transplantation assays: procedure and tissue analysis. <i>Methods in Molecular Biology</i> , 2008 , 455, 89-100	1.4	60
229	Heat shock-induced enhancement of osteoblastic differentiation of hTERT-immortalized mesenchymal stem cells. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1067, 443-7	6.5	59
228	Expression of LRP1 by human osteoblasts: a mechanism for the delivery of lipoproteins and vitamin K1 to bone. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 283-93	6.3	59
227	Sphingosine 1-phosphate (S1P) receptors 1 and 2 coordinately induce mesenchymal cell migration through S1P activation of complementary kinase pathways. <i>Journal of Biological Chemistry</i> , 2013 , 288, 5398-406	5.4	58
226	Telomere shortening during aging of human osteoblasts in vitro and leukocytes in vivo: lack of excessive telomere loss in osteoporotic patients. <i>Mechanisms of Ageing and Development</i> , 1999 , 106, 261-71	5.6	58
225	Increased RANKL/OPG mRNA ratio in iliac bone biopsies from women with hip fractures. <i>Calcified Tissue International</i> , 2005 , 76, 90-7	3.9	57
224	Short-term treatment with growth hormone stimulates osteoblastic and osteoclastic activity in osteopenic postmenopausal women: a dose response study. <i>Journal of Bone and Mineral Research</i> , 1995 , 10, 1865-74	6.3	56
223	microRNAs as regulators of adipogenic differentiation of mesenchymal stem cells. <i>Stem Cells and Development</i> , 2015 , 24, 417-25	4.4	54
222	Multilineage differentiation of porcine bone marrow stromal cells associated with specific gene expression pattern. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 56-64	3.8	54
221	Levels of serotonin, sclerostin, bone turnover markers as well as bone density and microarchitecture in patients with high-bone-mass phenotype due to a mutation in Lrp5. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1721-8	6.3	53

220	Stem cells: potential therapy for age-related diseases. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1067, 436-42	6.5	53
219	Transforming growth factor-beta1 stimulates the production of insulin-like growth factor-I and insulin-like growth factor-binding protein-3 in human bone marrow stromal osteoblast progenitors. <i>Journal of Endocrinology</i> , 2001 , 169, 549-61	4.7	53
218	Tumor necrosis factor receptor superfamily member 19 (TNFRSF19) regulates differentiation fate of human mesenchymal (stromal) stem cells through canonical Wnt signaling and C/EBP. <i>Journal of Biological Chemistry</i> , 2010 , 285, 14438-49	5.4	52
217	Activation of non-canonical Wnt/JNK pathway by Wnt3a is associated with differentiation fate determination of human bone marrow stromal (mesenchymal) stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 98-104	3.4	51
216	Effects of fluoride on human bone cells in vitro: differences in responsiveness between stromal osteoblast precursors and mature osteoblasts. <i>European Journal of Endocrinology</i> , 1994 , 130, 381-6	6.5	51
215	Expansion and Harvesting of hMSC-TERT. <i>Open Biomedical Engineering Journal</i> , 2007 , 1, 38-46	0.9	51
214	An update of human mesenchymal stem cell biology and their clinical uses. <i>Archives of Toxicology</i> , 2014 , 88, 1069-82	5.8	50
213	DLK1 is a novel regulator of bone mass that mediates estrogen deficiency-induced bone loss in mice. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1457-71	6.3	50
212	Telomerase promoter reprogramming and interaction with general transcription factors in the human mesenchymal stem cell. <i>Regenerative Medicine</i> , 2006 , 1, 125-31	2.5	50
211	Familial Isolated Hyperparathyroidism as a Variant of Multiple Endocrine Neoplasia Type 1 in a Large Danish Pedigree. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 165-167	5.6	50
210	Identification of differentiation-stage specific markers that define the ex vivo osteoblastic phenotype. <i>Bone</i> , 2014 , 67, 23-32	4.7	49
209	Skeletal stem cells in space and time. <i>Cell</i> , 2015 , 160, 17-9	56.2	49
208	miR-141-3p inhibits human stromal (mesenchymal) stem cell proliferation and differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2114-21	4.9	48
207	Transgelin is a TGFβ-inducible gene that regulates osteoblastic and adipogenic differentiation of human skeletal stem cells through actin cytoskeleton organization. <i>Cell Death and Disease</i> , 2016 , 7, e2321	9.8	47
206	Dual role of delta-like 1 homolog (DLK1) in skeletal muscle development and adult muscle regeneration. <i>Development (Cambridge)</i> , 2013 , 140, 3743-53	6.6	47
205	Selective isolation and differentiation of a stromal population of human embryonic stem cells with osteogenic potential. <i>Bone</i> , 2011 , 48, 231-41	4.7	47
204	Patients with high-bone-mass phenotype owing to Lrp5-T253I mutation have low plasma levels of serotonin. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 673-5	6.3	47
203	Efficacy of Injection of Freshly Collected Autologous Adipose Tissue Into Perianal Fistulas in Patients With Crohn's Disease. <i>Gastroenterology</i> , 2019 , 156, 2208-2216.e1	13.3	46

202	Cancer stem cell overexpression of nicotinamide N-methyltransferase enhances cellular radiation resistance. <i>Radiotherapy and Oncology</i> , 2011 , 99, 373-8	5.3	46
201	Distinct GAGE and MAGE-A expression during early human development indicate specific roles in lineage differentiation. <i>Human Reproduction</i> , 2008 , 23, 2194-201	5.7	46
200	Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2993-3003	5.4	45
199	Fabrication and characterization of a rapid prototyped tissue engineering scaffold with embedded multicomponent matrix for controlled drug release. <i>International Journal of Nanomedicine</i> , 2012 , 7, 4285-97	7.7	45
198	Long-term oral pamidronate treatment inhibits osteoclastic bone resorption and bone turnover without affecting osteoblastic function in multiple myeloma. <i>European Journal of Haematology</i> , 1998 , 61, 128-34	3.8	45
197	Changes in the insulin-like growth factor-system may contribute to in vitro age-related impaired osteoblast functions. <i>Experimental Gerontology</i> , 2000 , 35, 1061-74	4.5	45
196	CD146/MCAM defines functionality of human bone marrow stromal stem cell populations. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 4	8.3	44
195	Mouse embryonic fibroblasts (MEF) exhibit a similar but not identical phenotype to bone marrow stromal stem cells (BMSC). <i>Stem Cell Reviews and Reports</i> , 2012 , 8, 318-28	6.4	44
194	Extrinsic mechanisms involved in age-related defective bone formation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 600-9	5.6	44
193	Human stromal (mesenchymal) stem cells: basic biology and current clinical use for tissue regeneration. <i>Annals of Saudi Medicine</i> , 2012 , 32, 68-77	1.6	44
192	Delta-like 1/fetal antigen-1 (Dlk1/FA1) is a novel regulator of chondrogenic cell differentiation via inhibition of the Akt kinase-dependent pathway. <i>Journal of Biological Chemistry</i> , 2011 , 286, 32140-9	5.4	43
191	Aged human bone marrow stromal cells maintaining bone forming capacity in vivo evaluated using an improved method of visualization. <i>Biogerontology</i> , 2004 , 5, 107-18	4.5	43
190	Cytokine production in the bone marrow microenvironment: failure to demonstrate estrogen regulation in early postmenopausal women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 513-518	5.6	43
189	No evidence for reduced spontaneous or growth-hormone-stimulated serum levels of insulin-like growth factor (IGF)-I, IGF-II or IGF binding protein 3 in women with spinal osteoporosis. <i>European Journal of Endocrinology</i> , 1994 , 131, 150-5	6.5	42
188	Obesity-Associated Hypermetabolism and Accelerated Senescence of Bone Marrow Stromal Stem Cells Suggest a Potential Mechanism for Bone Fragility. <i>Cell Reports</i> , 2019 , 27, 2050-2062.e6	10.6	41
187	Parameters in three-dimensional osteospheroids of telomerized human mesenchymal (stromal) stem cells grown on osteoconductive scaffolds that predict in vivo bone-forming potential. <i>Tissue Engineering - Part A</i> , 2010 , 16, 2331-42	3.9	41
186	Legumain Regulates Differentiation Fate of Human Bone Marrow Stromal Cells and Is Altered in Postmenopausal Osteoporosis. <i>Stem Cell Reports</i> , 2017 , 8, 373-386	8	40
185	hMSC Production in Disposable Bioreactors with Regards to GMP and PAT. <i>Chemie-Ingenieur-Technik</i> , 2013 , 85, 67-75	0.8	40

184	Cell shape and spreading of stromal (mesenchymal) stem cells cultured on fibronectin coated gold and hydroxyapatite surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 18-25	6	40
183	Human mesenchymal stem cell proliferation is regulated by PGE2 through differential activation of cAMP-dependent protein kinase isoforms. <i>Experimental Cell Research</i> , 2008 , 314, 1831-8	4.2	39
182	Quantitative proteomics identifies Gemin5, a scaffolding protein involved in ribonucleoprotein assembly, as a novel partner for eukaryotic initiation factor 4E. <i>Journal of Proteome Research</i> , 2006 , 5, 1367-78	5.6	39
181	Decellularized matrix from tumorigenic human mesenchymal stem cells promotes neovascularization with galectin-1 dependent endothelial interaction. <i>PLoS ONE</i> , 2011 , 6, e21888	3.7	38
180	Inhibiting actin depolymerization enhances osteoblast differentiation and bone formation in human stromal stem cells. <i>Stem Cell Research</i> , 2015 , 15, 281-9	1.6	37
179	Activin B mediated induction of Pdx1 in human embryonic stem cell derived embryoid bodies. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 362, 568-74	3.4	37
178	Involvement of the MEN1 gene locus in familial isolated hyperparathyroidism. <i>European Journal of Endocrinology</i> , 2002 , 147, 313-22	6.5	37
177	Characterization of Cellular and Molecular Heterogeneity of Bone Marrow Stromal Cells. <i>Stem Cells International</i> , 2016 , 2016, 9378081	5	37
176	Pleiotropic effects of cancer cells secreted factors on human stromal (mesenchymal) stem cells. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 114	8.3	36
175	Familial isolated primary hyperparathyroidism. <i>Clinical Endocrinology</i> , 1994 , 41, 415-20	3.4	36
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