

Moustapha Kassem

List of Publications by Year in descending order

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329
papers

23,290
citations

6233

80
h-index

11030

137
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all docs

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docs citations

339
times ranked

26411
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging is associated with decreased maximal life span and accelerated senescence of bone marrow stromal cells. <i>Bone</i> , 2003, 33, 919-926.	1.4	1,037
2	Telomerase expression extends the proliferative life-span and maintains the osteogenic potential of human bone marrow stromal cells. <i>Nature Biotechnology</i> , 2002, 20, 592-596.	9.4	721
3	Adipocyte tissue volume in bone marrow is increased with aging and in patients with osteoporosis. <i>Biogerontology</i> , 2001, 2, 165-171.	2.0	706
4	Mechanism of Divergent Growth Factor Effects in Mesenchymal Stem Cell Differentiation. <i>Science</i> , 2005, 308, 1472-1477.	6.0	531
5	Playing with bone and fat. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 251-266.	1.2	471
6	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, 6139-6144.	3.3	443
7	CD146 expression on primary nonhematopoietic bone marrow stem cells is correlated with in situ localization. <i>Blood</i> , 2011, 117, 5067-5077.	0.6	390
8	System-Wide Temporal Characterization of the Proteome and Phosphoproteome of Human Embryonic Stem Cell Differentiation. <i>Science Signaling</i> , 2011, 4, rs3.	1.6	389
9	Mesenchymal stem cell ingrowth and differentiation on coralline hydroxyapatite scaffolds. <i>Biomaterials</i> , 2007, 28, 1036-1047.	5.7	337
10	Isolation and characterization of osteoblast precursor cells from human bone marrow. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 312-324.	3.1	336
11	Human mesenchymal stem cells: from basic biology to clinical applications. <i>Gene Therapy</i> , 2008, 15, 109-116.	2.3	330
12	Adult human mesenchymal stem cell as a target for neoplastic transformation. <i>Oncogene</i> , 2004, 23, 5095-5098.	2.6	326
13	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.	5.6	317
14	Bone regeneration and stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 718-746.	1.6	308
15	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. <i>Cell Death and Disease</i> , 2017, 8, e3045-e3045.	2.7	291
16	Maintenance of differentiation potential of human bone marrow mesenchymal stem cells immortalized by human telomerase reverse transcriptase gene despite of extensive proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 527-538.	1.0	234
17	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, 1120-1129.	3.1	231
18	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.	1.1	220

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19	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, 2696-2702.	1.1	217
20	Sensitivity of Fibroblast Growth Factor 23 Measurements in Tumor-Induced Osteomalacia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 2055-2061.	1.8	214
21	Regulation of Human Skeletal Stem Cells Differentiation by Dlk1/Pref-1. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 841-852.	3.1	209
22	Mesenchymal Stem Cells: Cell Biology and Potential Use in Therapy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2004, 95, 209-214.	1.2	207
23	Growth hormone stimulates proliferation and differentiation of normal human osteoblast-like cells in vitro. <i>Calcified Tissue International</i> , 1993, 52, 222-226.	1.5	204
24	Age- and sex-related changes in iliac cortical bone mass and remodeling. <i>Bone</i> , 1993, 14, 681-691.	1.4	190
25	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, 1367-1377.	1.4	185
26	Osteoblasts in osteoporosis: past, emerging, and future anabolic targets. <i>European Journal of Endocrinology</i> , 2011, 165, 1-10.	1.9	184
27	Mesenchymal Stem Cells: Biological Characteristics and Potential Clinical Applications. <i>Cloning and Stem Cells</i> , 2004, 6, 369-374.	2.6	179
28	Senescence-associated intrinsic mechanisms of osteoblast dysfunctions. <i>Aging Cell</i> , 2011, 10, 191-197.	3.0	179
29	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.	1.5	174
30	Selenium Supplementation Restores the Antioxidative Capacity and Prevents Cell Damage in Bone Marrow Stromal Cells In Vitro. <i>Stem Cells</i> , 2006, 24, 1226-1235.	1.4	171
31	Resveratrol Inhibits Myeloma Cell Growth, Prevents Osteoclast Formation, and Promotes Osteoblast Differentiation. <i>Cancer Research</i> , 2005, 65, 9943-9952.	0.4	170
32	Effects of high glucose on mesenchymal stem cell proliferation and differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 209-215.	1.0	165
33	MicroRNA-34a Inhibits Osteoblast Differentiation and In Vivo Bone Formation of Human Stromal Stem Cells. <i>Stem Cells</i> , 2014, 32, 902-912.	1.4	162
34	Tumorigenic Heterogeneity in Cancer Stem Cells Evolved from Long-term Cultures of Telomerase-Immortalized Human Mesenchymal Stem Cells. <i>Cancer Research</i> , 2005, 65, 3126-3135.	0.4	161
35	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.	9.4	156
36	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.	3.1	153

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37	Induction of Adipocyte-Like Phenotype in Human Mesenchymal Stem Cells by Hypoxia. <i>Stem Cells</i> , 2004, 22, 1346-1355.	1.4	152
38	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, 1720-1731.	3.1	149
39	The Human Umbilical Cord Blood: A Potential Source for Osteoblast Progenitor Cells. <i>Calcified Tissue International</i> , 2003, 72, 135-142.	1.5	147
40	Effect of dynamic 3D culture on proliferation, distribution, and osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 96-107.	2.1	138
41	microRNA expression profiling on individual breast cancer patients identifies novel panel of circulating microRNA for early detection. <i>Scientific Reports</i> , 2016, 6, 25997.	1.6	132
42	Hormone Replacement Therapy Prevents Osteoclastic Hyperactivity: A Histomorphometric Study in Early Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1217-1221.	3.1	130
43	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, 279-288.	0.6	129
44	Concise Review: Quiescence in Adult Stem Cells: Biological Significance and Relevance to Tissue Regeneration. <i>Stem Cells</i> , 2015, 33, 2903-2912.	1.4	129
45	Inhibition of osteoblast differentiation but not adipocyte differentiation of mesenchymal stem cells by sera obtained from aged females. <i>Bone</i> , 2006, 39, 181-188.	1.4	127
46	Demonstration of cellular aging and senescence in serially passaged long-term cultures of human trabecular osteoblasts. <i>Osteoporosis International</i> , 1997, 7, 514-524.	1.3	125
47	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.	1.4	125
48	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, 193-199.	3.1	125
49	MECHANISMS IN ENDOCRINOLOGY: Micro-RNAs: targets for enhancing osteoblast differentiation and bone formation. <i>European Journal of Endocrinology</i> , 2012, 166, 359-371.	1.9	125
50	microRNA-320/RUNX2 axis regulates adipocytic differentiation of human mesenchymal (skeletal) stem cells. <i>Cell Death and Disease</i> , 2014, 5, e1499-e1499.	2.7	119
51	Smooth Muscle Cells Healing Atherosclerotic Plaque Disruptions Are of Local, Not Blood, Origin in Apolipoprotein E Knockout Mice. <i>Circulation</i> , 2007, 116, 2053-2061.	1.6	116
52	The Histone H2B Monoubiquitination Regulatory Pathway Is Required for Differentiation of Multipotent Stem Cells. <i>Molecular Cell</i> , 2012, 46, 705-713.	4.5	115
53	Controversial issue: Is it safe to employ mesenchymal stem cells in cell-based therapies?. <i>Experimental Gerontology</i> , 2008, 43, 1018-1023.	1.2	113
54	Subcutaneous Adipocytes Can Differentiate into Bone-Forming Cells in Vitro and in Vivo. <i>Tissue Engineering</i> , 2004, 10, 381-391.	4.9	110

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55	Flow perfusion culture of human mesenchymal stem cells on silicate-substituted tricalcium phosphate scaffolds. <i>Biomaterials</i> , 2008, 29, 2616-2627.	5.7	109
56	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.	1.4	109
57	Trogliatone 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.	1.5	108
58	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, 157-163.	1.5	108
59	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, 86A, 448-458.	2.1	106
60	New factors controlling the balance between osteoblastogenesis and adipogenesis. <i>Bone</i> , 2012, 50, 540-545.	1.4	105
61	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, 959-970.	2.5	102
62	Enhanced differentiation of human embryonic stem cells to mesenchymal progenitors by inhibition of TGF- β /activin/nodal signaling using SB-431542. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1216-1233.	3.1	102
63	Wnt signalling mediates the cross-talk between bone marrow derived pre-adipocytic and pre-osteoblastic cell populations. <i>Experimental Cell Research</i> , 2011, 317, 745-756.	1.2	101
64	Fracture Risk in Perimenopausal Women Treated with Beta-Blockers. <i>Calcified Tissue International</i> , 2004, 75, 365-372.	1.5	98
65	The Bone Marrow-Derived Stromal Cells: Commitment and Regulation of Adipogenesis. <i>Frontiers in Endocrinology</i> , 2016, 7, 127.	1.5	98
66	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, 965-974.	2.3	97
67	Cloning and Identification of Genes That Associate with Mammalian Replicative Senescence. <i>Experimental Cell Research</i> , 1998, 240, 66-74.	1.2	94
68	TiO ₂ -Based Phosphoproteomic Analysis of the Plasma Membrane and the Effects of Phosphatase Inhibitor Treatment. <i>Journal of Proteome Research</i> , 2008, 7, 3304-3313.	1.8	94
69	Cerebral transplantation of encapsulated mesenchymal stem cells improves cellular pathology after experimental traumatic brain injury. <i>Neuroscience Letters</i> , 2009, 463, 176-181.	1.0	94
70	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, 633-640.	1.0	92
71	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.	3.1	92
72	Production and action of transforming growth factor- β in human osteoblast cultures: dependence on cell differentiation and modulation by calcitriol. <i>European Journal of Clinical Investigation</i> , 2000, 30, 429-437.	1.7	91

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73	Self-assembled composite matrix in a hierarchical 3-D scaffold for bone tissue engineering. <i>Acta Biomaterialia</i> , 2011, 7, 2244-2255.	4.1	90
74	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, 176-183.	1.7	88
75	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, 1494-1505.	3.1	88
76	Skeletal (stromal) stem cells: An update on intracellular signaling pathways controlling osteoblast differentiation. <i>Bone</i> , 2015, 70, 28-36.	1.4	87
77	Genome-wide mRNA and miRNA expression profiling reveal multiple regulatory networks in colorectal cancer. <i>Cell Death and Disease</i> , 2015, 6, e1614-e1614.	2.7	86
78	Transgelin is a TGF β ² -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-e2321.	2.7	86
79	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.	2.9	86
80	Circulating osteogenic cells: Implications for injury, repair, and regeneration. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1685-1693.	3.1	85
81	Biochemical markers of bone metabolism reflect osteoclastic and osteoblastic activity in multiple myeloma. <i>European Journal of Haematology</i> , 2000, 64, 121-129.	1.1	83
82	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, 7339-7351.	1.6	82
83	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, 364-370.	1.8	82
84	MDM2 Associates with Polycomb Repressor Complex 2 and Enhances Stemness-Promoting Chromatin Modifications Independent of p53. <i>Molecular Cell</i> , 2016, 61, 68-83.	4.5	82
85	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, 5650-5655.	1.8	81
86	siRNA Nanoparticle Functionalization of Nanostructured Scaffolds Enables Controlled Multilineage Differentiation of Stem Cells. <i>Molecular Therapy</i> , 2010, 18, 2018-2027.	3.7	81
87	The von Kossa reaction for calcium deposits: silver lactate staining increases sensitivity and reduces background. <i>The Histochemical Journal</i> , 1993, 25, 446-451.	0.6	80
88	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.	2.0	78
89	Effect of Hormone Replacement Therapy on Bone Quality in Early Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 955-959.	3.1	76
90	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, 1453-1458.	3.1	76

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91	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, 1865-1874.	3.1	76
92	Effect of hyaluronan on osteogenic differentiation of porcine bone marrow stromal cells in vitro. <i>Journal of Orthopaedic Research</i> , 2008, 26, 713-720.	1.2	75
93	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.	2.5	75
94	MicroRNA-320 suppresses colorectal cancer by targeting SOX4, FOXM1, and FOXQ1. <i>Oncotarget</i> , 2016, 7, 35789-35802.	0.8	75
95	Ultrastructural investigations of bone resorptive cells in two types of autosomal dominant osteopetrosis. <i>Bone</i> , 1993, 14, 865-869.	1.4	72
96	Mice Deficient in 11 β -Hydroxysteroid Dehydrogenase Type 1 Lack Bone Marrow Adipocytes, but Maintain Normal Bone Formation. <i>Endocrinology</i> , 2004, 145, 1916-1925.	1.4	72
97	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, 860-868.	5.6	72
98	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.	0.6	72
99	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, 5398-5406.	1.6	71
100	Osteoblastic cells: Differentiation and trans-differentiation. <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 183-187.	1.4	70
101	CD146/MCAM defines functionality of human bone marrow stromal stem cell populations. <i>Stem Cell Research and Therapy</i> , 2016, 7, 4.	2.4	70
102	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, 60-66.	1.5	69
103	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> , 2004, 20, 283-293.	3.1	69
104	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, 443-447.	1.8	69
105	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, 261-271.	2.2	68
106	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, 1721-1728.	3.1	67
107	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.	2.3	66
108	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, 381-386.	1.9	65

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109	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, 3111-3121.	1.4	65
110	Assessment of Bone Formation Capacity Using In vivo Transplantation Assays: Procedure and Tissue Analysis. <i>Methods in Molecular Biology</i> , 2008, 455, 89-100.	0.4	65
111	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, 14438-14449.	1.6	63
112	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.	1.0	63
113	Stem Cells: Potential Therapy for Age-Related Diseases. <i>Annals of the New York Academy of Sciences</i> , 2006, 1067, 436-442.	1.8	62
114	Identification of differentiation-stage specific markers that define the ex vivo osteoblastic phenotype. <i>Bone</i> , 2014, 67, 23-32.	1.4	62
115	microRNAs as Regulators of Adipogenic Differentiation of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 417-425.	1.1	61
116	Increased RANKL/OPG mRNA Ratio in Iliac Bone Biopsies From Women with Hip Fractures. <i>Calcified Tissue International</i> , 2005, 76, 90-97.	1.5	60
117	Extrinsic Mechanisms Involved in Age-Related Defective Bone Formation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 600-609.	1.8	60
118	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.	1.8	60
119	Expansion and Harvesting of hMSC-TERT. <i>Open Biomedical Engineering Journal</i> , 2007, 1, 38-46.	0.7	60
120	Multilineage differentiation of porcine bone marrow stromal cells associated with specific gene expression pattern. <i>Journal of Orthopaedic Research</i> , 2008, 26, 56-64.	1.2	58
121	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, 549-561.	1.2	57
122	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, 1457-1471.	3.1	57
123	Dual role of delta-like 1 homolog (DLK1) in skeletal muscle development and adult muscle regeneration. <i>Development (Cambridge)</i> , 2013, 140, 3743-3753.	1.2	57
124	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.	3.3	56
125	Surface-modified functionalized polycaprolactone scaffolds for bone repair: <i>in vitro</i> and <i>in vivo</i> experiments. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2993-3003.	2.1	56
126	Skeletal Stem Cells in Space and Time. <i>Cell</i> , 2015, 160, 17-19.	13.5	56

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127	Cancer stem cell overexpression of nicotinamide N-methyltransferase enhances cellular radiation resistance. <i>Radiotherapy and Oncology</i> , 2011, 99, 373-378.	0.3	55
128	An update of human mesenchymal stem cell biology and their clinical uses. <i>Archives of Toxicology</i> , 2014, 88, 1069-1082.	1.9	55
129	Distinct GAGE and MAGE-A expression during early human development indicate specific roles in lineage differentiation. <i>Human Reproduction</i> , 2008, 23, 2194-2201.	0.4	52
130	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, 318-328.	5.6	52
131	miR-141-3p inhibits human stromal (mesenchymal) stem cell proliferation and differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2114-2121.	1.9	52
132	Aged Human Bone Marrow Stromal Cells Maintaining Bone Forming Capacity in vivo Evaluated Using an Improved Method of Visualization. <i>Biogerontology</i> , 2004, 5, 107-118.	2.0	51
133	Telomerase promoter reprogramming and interaction with general transcription factors in the human mesenchymal stem cell. <i>Regenerative Medicine</i> , 2006, 1, 125-131.	0.8	51
134	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, 128-134.	1.1	51
135	Patients with high-bone-mass phenotype owing to <i>Lrp5-T253I</i> mutation have low plasma levels of serotonin. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 673-675.	3.1	51
136	Human Stromal (Mesenchymal) Stem Cells: Basic Biology and Current Clinical Use for Tissue Regeneration. <i>Annals of Saudi Medicine</i> , 2012, 32, 68-77.	0.5	51
137	Changes in the insulin-like growth factor-system may contribute to in vitro age-related impaired osteoblast functions. <i>Experimental Gerontology</i> , 2000, 35, 1061-1074.	1.2	50
138	Selective isolation and differentiation of a stromal population of human embryonic stem cells with osteogenic potential. <i>Bone</i> , 2011, 48, 231-241.	1.4	50
139	Inhibiting actin depolymerization enhances osteoblast differentiation and bone formation in human stromal stem cells. <i>Stem Cell Research</i> , 2015, 15, 281-289.	0.3	50
140	Myeloma-Modified Adipocytes Exhibit Metabolic Dysfunction and a Senescence-Associated Secretory Phenotype. <i>Cancer Research</i> , 2021, 81, 634-647.	0.4	50
141	Parameters in Three-Dimensional Osteospheroids of Telomerized Human Mesenchymal (Stromal) Stem Cells Grown on Osteoconductive Scaffolds That Predict <i>In Vivo</i> Bone-Forming Potential. <i>Tissue Engineering - Part A</i> , 2010, 16, 2331-2342.	1.6	49
142	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, 32140-32149.	1.6	49
143	Involvement of the MEN1 gene locus in familial isolated hyperparathyroidism. <i>European Journal of Endocrinology</i> , 2002, 147, 313-322.	1.9	48
144	Characterization of Cellular and Molecular Heterogeneity of Bone Marrow Stromal Cells. <i>Stem Cells International</i> , 2016, 2016, 1-18.	1.2	48

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