

Basem M Abdallah

List of Publications by Year in descending order

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77
papers

5,426
citations

81743

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79541

73
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78
all docs

78
docs citations

78
times ranked

7308
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-138 regulates osteogenic differentiation of human stromal (mesenchymal) stem cells in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6139-6144.	3.3	443
2	Human mesenchymal stem cells: from basic biology to clinical applications. Gene Therapy, 2008, 15, 109-116.	2.3	330
3	Adult human mesenchymal stem cell as a target for neoplastic transformation. Oncogene, 2004, 23, 5095-5098.	2.6	326
4	Bone regeneration and stem cells. Journal of Cellular and Molecular Medicine, 2011, 15, 718-746.	1.6	308
5	Maintenance of differentiation potential of human bone marrow mesenchymal stem cells immortalized by human telomerase reverse transcriptase gene despite of extensive proliferation. Biochemical and Biophysical Research Communications, 2005, 326, 527-538.	1.0	234
6	Regulation of Human Skeletal Stem Cells Differentiation by Dlk1/Pref-1. Journal of Bone and Mineral Research, 2004, 19, 841-852.	3.1	209
7	Mesenchymal Stem Cells: Cell Biology and Potential Use in Therapy. Basic and Clinical Pharmacology and Toxicology, 2004, 95, 209-214.	1.2	207
8	Resveratrol Inhibits Myeloma Cell Growth, Prevents Osteoclast Formation, and Promotes Osteoblast Differentiation. Cancer Research, 2005, 65, 9943-9952.	0.4	170
9	Tumorigenic Heterogeneity in Cancer Stem Cells Evolved from Long-term Cultures of Telomerase-Immortalized Human Mesenchymal Stem Cells. Cancer Research, 2005, 65, 3126-3135.	0.4	161
10	Induction of Adipocyte-Like Phenotype in Human Mesenchymal Stem Cells by Hypoxia. Stem Cells, 2004, 22, 1346-1355.	1.4	152
11	Patients With High Bone Mass Phenotype Exhibit Enhanced Osteoblast Differentiation and Inhibition of Adipogenesis of Human Mesenchymal Stem Cells. Journal of Bone and Mineral Research, 2007, 22, 1720-1731.	3.1	149
12	Inhibition of osteoblast differentiation but not adipocyte differentiation of mesenchymal stem cells by sera obtained from aged females. Bone, 2006, 39, 181-188.	1.4	127
13	The function of CreA, the carbon catabolite repressor of Aspergillus nidulans, is regulated at the transcriptional and post-transcriptional level. Molecular Microbiology, 1999, 32, 169-178.	1.2	125
14	Demonstration of the presence of independent pre-osteoblastic and pre-adipocytic cell populations in bone marrow-derived mesenchymal stem cells. Bone, 2008, 43, 32-39.	1.4	125
15	Human bone-marrow-derived mesenchymal stem cells: biological characteristics and potential role in therapy of degenerative diseases. Cell and Tissue Research, 2008, 331, 157-163.	1.5	108
16	New factors controlling the balance between osteoblastogenesis and adipogenesis. Bone, 2012, 50, 540-545.	1.4	105
17	Enhanced differentiation of human embryonic stem cells to mesenchymal progenitors by inhibition of TGF- β 2/activin/nodal signaling using SB-431542. Journal of Bone and Mineral Research, 2010, 25, 1216-1233.	3.1	102
18	Wnt signalling mediates the cross-talk between bone marrow derived pre-adipocytic and pre-osteoblastic cell populations. Experimental Cell Research, 2011, 317, 745-756.	1.2	101

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19	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
20	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
21	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
22	Skeletal (stromal) stem cells: An update on intracellular signaling pathways controlling osteoblast differentiation. <i>Bone</i> , 2015, 70, 28-36.	1.4	87
23	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
24	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
25	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
26	Osteoblastic cells: Differentiation and trans-differentiation. <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 183-187.	1.4	70
27	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
28	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
29	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
30	Increased expression of 11beta-hydroxysteroid dehydrogenase type 1 in type 2 diabetic myotubes. <i>European Journal of Clinical Investigation</i> , 2005, 35, 627-634.	1.7	61
31	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
32	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
33	Transcriptional profiling of myotubes from patients with type 2 diabetes: no evidence for a primary defect in oxidative phosphorylation genes. <i>Diabetologia</i> , 2008, 51, 2068-2077.	2.9	52
34	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
35	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
36	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

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37	Marrow adipocytes inhibit the differentiation of mesenchymal stem cells into osteoblasts via suppressing BMP-signaling. <i>Journal of Biomedical Science</i> , 2017, 24, 11.	2.6	46
38	Mechanosensitivity of dental pulp stem cells is related to their osteogenic maturity. <i>European Journal of Oral Sciences</i> , 2010, 118, 29-38.	0.7	41
39	DLK1 Regulates Whole-Body Glucose Metabolism: A Negative Feedback Regulation of the Osteocalcin-Insulin Loop. <i>Diabetes</i> , 2015, 64, 3069-3080.	0.3	41
40	Activin B mediated induction of Pdx1 in human embryonic stem cell derived embryoid bodies. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 568-574.	1.0	40
41	Secreted Clusterin protein inhibits osteoblast differentiation of bone marrow mesenchymal stem cells by suppressing ERK1/2 signaling pathway. <i>Bone</i> , 2018, 110, 221-229.	1.4	31
42	Transit amplifying cells coordinate mouse incisor mesenchymal stem cell activation. <i>Nature Communications</i> , 2019, 10, 3596.	5.8	31
43	Green Synthesis of Silver Nanoparticles Using the <i>Lotus lalambensis</i> Aqueous Leaf Extract and Their Anti-Candidal Activity against Oral Candidiasis. <i>ACS Omega</i> , 2021, 6, 8151-8162.	1.6	31
44	Effective Inhibition of Candidiasis Using an Eco-Friendly Leaf Extract of <i>Calotropis-gigantea</i> -Mediated Silver Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 422.	1.9	29
45	Potential of Resveratrol Analogues as Antagonists of Osteoclasts and Promoters of Osteoblasts. <i>Calcified Tissue International</i> , 2010, 87, 437-449.	1.5	28
46	CD34 defines an osteoprogenitor cell population in mouse bone marrow stromal cells. <i>Stem Cell Research</i> , 2015, 15, 449-458.	0.3	28
47	Telomerase activity promotes osteoblast differentiation by modulating IGF-signaling pathway. <i>Biogerontology</i> , 2015, 16, 733-745.	2.0	28
48	The use of hTERT-immortalized cells in tissue engineering. <i>Cytotechnology</i> , 2004, 45, 39-46.	0.7	26
49	Isolation and Differentiation of Chondrocytic Cells Derived from Human Embryonic Stem Cells Using dlk1/FA1 as a Novel Surface Marker. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 353-368.	5.6	26
50	A simple and reliable protocol for long-term culture of murine bone marrow stromal (mesenchymal) stem cells that retained their in vitro and in vivo stemness in long-term culture. <i>Biological Procedures Online</i> , 2019, 21, 3.	1.4	24
51	Estrogen inhibits Dlk1/FA1 production: A potential mechanism for estrogen effects on bone turnover. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2548-2551.	3.1	20
52	5 α -hydroxy Auraptene stimulates osteoblast differentiation of bone marrow-derived mesenchymal stem cells via a BMP-dependent mechanism. <i>Journal of Biomedical Science</i> , 2019, 26, 51.	2.6	20
53	Derivation of Stromal (Skeletal and Mesenchymal) Stem-Like Cells from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2012, 21, 3114-3124.	1.1	18
54	The Coumarin Derivative 5 α -Hydroxy Auraptene Suppresses Osteoclast Differentiation via Inhibiting MAPK and c-Fos/NFATc1 Pathways. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	18

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55	TAF2 Induces Skeletal (Stromal) Stem Cell Migration Through Activation of Rac1-p38 Signaling. <i>Stem Cells</i> , 2019, 37, 407-416.	1.4	18
56	Association between in vivo bone formation and ex vivo migratory capacity of human bone marrow stromal cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 196.	2.4	17
57	Pharmacological Inhibition of Protein Kinase G1 Enhances Bone Formation by Human Skeletal Stem Cells Through Activation of RhoA-Akt Signaling. <i>Stem Cells</i> , 2015, 33, 2219-2231.	1.4	17
58	The Crosstalk Between Transforming Growth Factor- β 1 and Delta Like-1 Mediates Early Chondrogenesis During Embryonic Endochondral Ossification. <i>Stem Cells</i> , 2012, 30, 304-313.	1.4	16
59	CRMP4 Inhibits Bone Formation by Negatively Regulating BMP and RhoA Signaling. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 913-926.	3.1	16
60	Glucose does not activate the plasma-membrane-bound H ⁺ -ATPase but affects pmaA transcript abundance in <i>Aspergillus nidulans</i> . <i>Archives of Microbiology</i> , 2000, 174, 340-345.	1.0	12
61	Butein Promotes Lineage Commitment of Bone Marrow-Derived Stem Cells into Osteoblasts via Modulating ERK1/2 Signaling Pathways. <i>Molecules</i> , 2020, 25, 1885.	1.7	11
62	Coumarin derivative, 5-hydroxy-auraptene, extracted from <i>Lotus lalambensis</i> , displays antifungal and anti-aflatoxigenic activities against <i>Aspergillus flavus</i> . <i>Journal of King Saud University - Science</i> , 2021, 33, 101216.	1.6	11
63	FA1 Induces Pro-Inflammatory and Anti-Adipogenic Pathways/Markers in Human Myotubes Established from Lean, Obese, and Type 2 Diabetic Subjects but Not Insulin Resistance. <i>Frontiers in Endocrinology</i> , 2013, 4, 45.	1.5	10
64	Antibody-based inhibition of circulating DLK1 protects from estrogen deficiency-induced bone loss in mice. <i>Bone</i> , 2018, 110, 312-320.	1.4	8
65	Therapeutic Effect of Green Synthesized Silver Nanoparticles Using <i>Erodium glaucophyllum</i> Extract against Oral Candidiasis: In Vitro and In Vivo Study. <i>Molecules</i> , 2022, 27, 4221.	1.7	8
66	Osteoblast differentiation of NIH3T3 fibroblasts is associated with changes in the IGF-I/IGFBP expression pattern. <i>Cellular and Molecular Biology Letters</i> , 2006, 11, 461-74.	2.7	7
67	Recent Approaches to Isolating and Culturing Mouse Bone Marrow-derived Mesenchymal Stromal Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 599-607.	0.6	6
68	Effective Inhibition of Invasive Pulmonary Aspergillosis by Silver Nanoparticles Biosynthesized with <i>Artemisia sieberi</i> Leaf Extract. <i>Nanomaterials</i> , 2022, 12, 51.	1.9	6
69	Bone Marrow Stromal Stem Cells for Bone Repair: Basic and Translational Aspects. <i>Pancreatic Islet Biology</i> , 2016, , 213-232.	0.1	4
70	Human Mesenchymal Stem Cells: Basic Biology and Clinical Applications for Bone Tissue Regeneration. , 2009, , 177-190.		4
71	Serum Levels of Fetal Antigen 1 in Extreme Nutritional States. <i>Isrn Endocrinology</i> , 2012, 2012, 1-6.	2.0	2
72	Carnosol induces the osteogenic differentiation of bone marrow-derived mesenchymal stem cells via activating BMP-signaling pathway. <i>Korean Journal of Physiology and Pharmacology</i> , 2021, 25, 197-206.	0.6	2

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73	Therapeutic Potential of Green Synthesized Gold Nanoparticles Using Extract of <i>Leptadenia hastata</i> against Invasive Pulmonary Aspergillosis. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 442.	1.5	2
74	Erratum. <i>Cytotechnology</i> , 2004, 46, 65-66.	0.7	1
75	A-769662 stimulates the differentiation of bone marrow-derived mesenchymal stem cells into osteoblasts via AMP-activated protein kinase-dependent mechanism. <i>Journal of Applied Biomedicine</i> , 2021, 19, 159-169.	0.6	1
76	A Bootstrap Correspondence Analysis for Factorial Microarray Experiments with Replications. , 2007, , 73-84.		1
77	Delta-like 1/fetal antigen 1 (DLK1/FA1) inhibits BMP2-induced osteoblast differentiation by modulating Nf[κ]b signaling pathway: a novel mechanism for regulation of bone formation. <i>Bone Abstracts</i> , 0, , .	0.0	0