Jeffrey M Gimble

List of Publications by Year
in descending order

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216 papers	26,783 citations	9775 73 h-index	6128 159 g-index
243 all docs	243 docs citations	243 times ranked	27241 citing authors

#	Article	IF	Citations
1	Adipose-Derived Stem Cells for Regenerative Medicine. Circulation Research, 2007, 100, 1249-1260.	2.0	2,054
2	Control of Stem Cell Fate by Physical Interactions with the Extracellular Matrix. Cell Stem Cell, 2009, 5, 17-26.	5.2	1,669
3	Stromal cells from the adipose tissue-derived stromal vascular fraction and culture expanded adipose tissue-derived stromal/stem cells: a jointÂstatement of the International Federation for Adipose Therapeutics and Science (IFATS) and the International Society for Cellular TherapyÂ(ISCT). Cytotherapy, 2013, 15, 641-648.	0.3	1,469
4	Immunophenotype of Human Adipose-Derived Cells: Temporal Changes in Stromal-Associated and Stem Cell-Associated Markers. Stem Cells, 2006, 24, 376-385.	1.4	1,007
5	Surface protein characterization of human adipose tissue-derived stromal cells. Journal of Cellular Physiology, 2001, 189, 54-63.	2.0	965
6	Chondrogenic differentiation of adipose-derived adult stem cells in agarose, alginate, and gelatin scaffolds. Biomaterials, 2004, 25, 3211-3222.	5.7	728
7	Neurogenic differentiation of murine and human adipose-derived stromal cells. Biochemical and Biophysical Research Communications, 2002, 294, 371-379.	1.0	717
8	Chondrogenic Potential of Adipose Tissue-Derived Stromal Cells in Vitro and in Vivo. Biochemical and Biophysical Research Communications, 2002, 290, 763-769.	1.0	626
9	Cytokine profile of human adipose-derived stem cells: Expression of angiogenic, hematopoietic, and pro-inflammatory factors. Journal of Cellular Physiology, 2007, 212, 702-709.	2.0	571
10	Adipose Tissue Derived Stem Cells Secretome: Soluble Factors and Their Roles in Regenerative Medicine. Current Stem Cell Research and Therapy, 2010, 5, 103-110.	0.6	497
11	The Immunogenicity of Human Adipose-Derived Cells: Temporal Changes In Vitro. Stem Cells, 2006, 24, 1246-1253.	1.4	490
12	Extracellular Matrix Mineralization and Osteoblast Gene Expression by Human Adipose Tissueâ€“Derived Stromal Cells. Tissue Engineering, 2001, 7, 729-741.	4.9	474
13	Playing with bone and fat. Journal of Cellular Biochemistry, 2006, 98, 251-266.	1.2	471
14	Comparative Epigenomic Analysis of Murine and Human Adipogenesis. Cell, 2010, 143, 156-169.	13.5	460
15	Characterization of Peripheral Circadian Clocks in Adipose Tissues. Diabetes, 2006, 55, 962-970.	0.3	443
16	Clonal analysis of the differentiation potential of human adipose-derived adult stem cells. Journal of Cellular Physiology, 2006, 206, 229-237.	2.0	434
17	Isolation of adipose-derived stem cells and their induction to a chondrogenic phenotype. Nature Protocols, 2010, 5, 1294-1311.	5.5	383
18	Obesity Increases the Production of Proinflammatory Mediators from Adipose Tissue T Cells and Compromises TCR Repertoire Diversity: Implications for Systemic Inflammation and Insulin Resistance. Journal of Immunology, 2010, 185, 1836-1845.	0.4	381

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19	Stromal cells and stem cells in clinical bone regeneration. Nature Reviews Endocrinology, 2015, 11, 140-150.	4.3	342
20	Engineering adipose-like tissue in vitro and in vivo utilizing human bone marrow and adipose-derived mesenchymal stem cells with silk fibroin 3D scaffolds. Biomaterials, 2007, 28, 5280-5290.	5.7	340
21	Controlling the balance between osteoblastogenesis and adipogenesis and the consequent therapeutic implications. Current Opinion in Pharmacology, 2004, 4, 290-294.	1.7	326
22	Human Adipose-Derived Adult Stem Cells Produce Osteoid in Vivo. Tissue Engineering, 2004, 10, 371-380.	4.9	304
23	Differentiation Potential of Adipose Derived Adult Stem (ADAS) Cells. Current Topics in Developmental Biology, 2003, 58, 137-160.	1.0	234
24	Adipogenic potential of human adipose derived stromal cells from multiple donors is heterogeneous. Journal of Cellular Biochemistry, 2001, 81, 312-319.	1.2	232
25	Clinical and preclinical translation of cell-based therapies using adipose tissue-derived cells. Stem Cell Research and Therapy, 2010, 1, 19.	2.4	224
26	Characterization of Equine Adipose Tissueâ€Derived Stromal Cells: Adipogenic and Osteogenic Capacity and Comparison with Bone Marrowâ€Derived Mesenchymal Stromal Cells. Veterinary Surgery, 2007, 36, 613-622.	0.5	213
27	Adipose Tissue Engineering for Soft Tissue Regeneration. Tissue Engineering - Part B: Reviews, 2010, 16, 413-426.	2.5	212
28	Concise Review: Adipose-Derived Stromal Vascular Fraction Cells and Stem Cells: Let's Not Get Lost in Translation. Stem Cells, 2011, 29, 749-754.	1.4	212
29	CAAT/Enhancer Binding Proteins Directly Modulate Transcription from the Peroxisome Proliferator-Activated Receptor Î³2 Promoter. Biochemical and Biophysical Research Communications, 1997, 240, 99-103.	1.0	211
30	Development of silk-based scaffolds for tissue engineering of bone from human adipose-derived stem cells. Acta Biomaterialia, 2012, 8, 2483-2492.	4.1	210
31	Micropatterned mammalian cells exhibit phenotype-specific left-right asymmetry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12295-12300.	3.3	209
32	Influence of oxygen on the proliferation and metabolism of adipose derived adult stem cells. Journal of Cellular Physiology, 2005, 204, 184-191.	2.0	200
33	Secretome of Primary Cultures of Human Adipose-derived Stem Cells. Molecular and Cellular Proteomics, 2007, 6, 18-28.	2.5	189
34	Osteoblastic gene expression during adipogenesis in hematopoietic supporting murine bone marrow stromal cells. Journal of Cellular Physiology, 1993, 154, 317-328.	2.0	187
35	Effects of Transforming Growth FactorÎ²1 and Dexamethasone on the Growth and Chondrogenic Differentiation of Adipose-Derived Stromal Cells. Tissue Engineering, 2003, 9, 1301-1312.	4.9	187
36	Tissue-engineered autologous grafts for facial bone reconstruction. Science Translational Medicine, 2016, 8, 343ra83.	5.8	187

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37	Gene expression profiling reveals a regulatory role for RORÎ± and RORÎ³ in phase I and phase II metabolism. Physiological Genomics, 2007, 31, 281-294.	1.0	178
38	Cell Growth Characteristics and Differentiation Frequency of Adherent Equine Bone Marrow?Derived Mesenchymal Stromal Cells: Adipogenic and Osteogenic Capacity. Veterinary Surgery, 2006, 35, 601-610.	0.5	175
39	Comparison of Chondrogenic Potential in Equine Mesenchymal Stromal Cells Derived from Adipose Tissue and Bone Marrow. Veterinary Surgery, 2008, 37, 713-724.	0.5	175
40	Adipose tissue-derived therapeutics. Expert Opinion on Biological Therapy, 2003, 3, 705-713.	1.4	163
41	Bone Grafts Engineered from Human Adipose-Derived Stem Cells in Perfusion Bioreactor Culture. Tissue Engineering - Part A, 2010, 16, 179-189.	1.6	157
42	Human Proteinpedia enables sharing of human protein data. Nature Biotechnology, 2008, 26, 164-167.	9.4	155
43	Leptin produced by obese adipose stromal/stem cells enhances proliferation and metastasis of estrogen receptor positive breast cancers. Breast Cancer Research, 2015, 17, 112.	2.2	152
44	Human Adipose Tissue-Derived Stromal/Stem Cells Promote Migration and Early Metastasis of Triple Negative Breast Cancer Xenografts. PLoS ONE, 2014, 9, e89595.	1.1	150
45	Human adipose-derived cells: an update on the transition to clinical translation. Regenerative Medicine, 2012, 7, 225-235.	0.8	147
46	Adipose-derived adult stem cells for cartilage tissue engineering. Biorheology, 2004, 41, 389-99.	1.2	143
47	Ageâ€related changes in mesenchymal stem cells derived from rhesus macaque bone marrow. Aging Cell, 2011, 10, 66-79.	3.0	142
48	Inhibition of fatty acid biosynthesis prevents adipocyte lipotoxicity on human osteoblasts in vitro. Journal of Cellular and Molecular Medicine, 2010, 14, 982-991.	1.6	141
49	Proteomic Analysis of Primary Cultures of Human Adipose-derived Stem Cells. Molecular and Cellular Proteomics, 2005, 4, 731-740.	2.5	130
50	A xenogeneicâ€free bioreactor system for the clinicalâ€scale expansion of human mesenchymal stem/stromal cells. Biotechnology and Bioengineering, 2014, 111, 1116-1127.	1.7	129
51	In Vitro3D Model for Human Vascularized Adipose Tissue. Tissue Engineering - Part A, 2009, 15, 2227-2236.	1.6	127
52	Structural and Functional Consequences of Mitochondrial Biogenesis in Human Adipocytesin Vitro. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 6650-6656.	1.8	123
53	The Melanocortin-3 Receptor Is Required for Entrainment to Meal Intake. Journal of Neuroscience, 2008, 28, 12946-12955.	1.7	120
54	Circadian Clocks Are Resounding in Peripheral Tissues. PLoS Computational Biology, 2006, 2, e16.	1.5	117

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55	Comparative chondrogenesis of human cell sources in 3D scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 348-360.	1.3	116
56	Concise Review: Using Fat to Fight Disease: A Systematic Review of Nonhomologous Adipose-Derived Stromal/Stem Cell Therapies. Stem Cells, 2018, 36, 1311-1328.	1.4	115
57	Mechanical Signals as Regulators of Stem Cell Fate. Current Topics in Developmental Biology, 2004, 60, 91-126.	1.0	111
58	Yield and characterization of subcutaneous human adipose-derived stem cells by flow cytometric and adipogenic mRNA analyzes. Cytotherapy, 2010, 12, 538-546.	0.3	111
59	In vitro Differentiation Potential of Mesenchymal Stem Cells. Transfusion Medicine and Hemotherapy, 2008, 35, 228-238.	0.7	110
60	Small RNA Sequencing and Functional Characterization Reveals MicroRNA-143 Tumor Suppressor Activity in Liposarcoma. Cancer Research, 2011, 71, 5659-5669.	0.4	106
61	A non-enzymatic method for isolating human adipose tissue-derived stromal stem cells. Cytotherapy, 2013, 15, 979-985.	0.3	106
62	COOH-terminal Disruption of Lipoprotein Lipase in Mice Is Lethal in Homozygotes, but Heterozygotes Have Elevated Triglycerides and Impaired Enzyme Activity. Journal of Biological Chemistry, 1995, 270, 12518-12525.	1.6	105
63	Cryopreservation characteristics of adipose-derived stem cells: maintenance of differentiation potential and viability. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 322-324.	1.3	103
64	Bisphenol A enhances adipogenic differentiation of human adipose stromal/stem cells. Journal of Molecular Endocrinology, 2014, 53, 345-353.	1.1	101
65	Modulation of the Murine Peroxisome Proliferator-activated Receptor Î³2 Promoter Activity by CCAAT/Enhancer-binding Proteins. Journal of Biological Chemistry, 2000, 275, 27815-27822.	1.6	100
66	Culture effects of epidermal growth factor (EGF) and basic fibroblast growth factor (bFGF) on cryopreserved human adipose-derived stromal/stem cell proliferation and adipogenesis. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 553-561.	1.3	99
67	Regulation of bone marrow stromal cell differentiation by cytokines whose receptors share the gp130 Protein. Journal of Cellular Biochemistry, 1994, 54, 122-133.	1.2	97
68	Circadian Oscillation of Gene Expression in Murine Calvarial Bone. Journal of Bone and Mineral Research, 2007, 22, 357-365.	3.1	91
69	Adipose-derived stromal/stem cells. Organogenesis, 2013, 9, 3-10.	0.4	90
70	Evidence Suggesting that the Cardiomyocyte Circadian Clock Modulates Responsiveness of the Heart to Hypertrophic Stimuli in Mice. Chronobiology International, 2011, 28, 187-203.	0.9	87
71	The relationship between adipose tissue and bone metabolism. Clinical Biochemistry, 2012, 45, 874-879.	0.8	81
72	miR-148bâ€“Nanoparticle conjugates for light mediated osteogenesis ofÂhuman adipose stromal/stem cells. Biomaterials, 2013, 34, 7799-7810.	5.7	80

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73	Effect of Peroxisome Proliferator-Activated Receptor Alpha Activators on Tumor Necrosis Factor Expression in Mice during Endotoxemia. Infection and Immunity, 1999, 67, 3488-3493.	1.0	77
74	Concise Review: The Obesity Cancer Paradigm: Exploration of the Interactions and Crosstalk with Adipose Stem Cells. Stem Cells, 2015, 33, 318-326.	1.4	76
75	Age of the Donor Reduces the Ability of Human Adipose-Derived Stem Cells to Alleviate Symptoms in the Experimental Autoimmune Encephalomyelitis Mouse Model. Stem Cells Translational Medicine, 2013, 2, 797-807.	1.6	72
76	Cryopreservation of stromal vascular fraction of adipose tissue in a serum-free freezing medium. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 224-232.	1.3	71
77	The Derivation and Characterization of Stromal Cell Lines from the Bone Marrow of p53â^'/â^' Mice: New Insights into Osteoblast and Adipocyte Differentiation. Journal of Bone and Mineral Research, 1998, 13, 195-204.	3.1	70
78	Immunogenicity of Allogeneic Adipose-Derived Stem Cells in a Rat Spinal Fusion Model. Tissue Engineering - Part A, 2009, 15, 2677-2686.	1.6	70
79	Methylcellulose Based Thermally Reversible Hydrogel System for Tissue Engineering Applications. Cells, 2013, 2, 460-475.	1.8	69
80	Combination of a peptide-modified gellan gum hydrogel with cell therapy in a lumbar spinal cord injury animal model. Biomaterials, 2016, 105, 38-51.	5.7	68
81	Human Adipose Stromal/Stem Cells from Obese Donors Show Reduced Efficacy in Halting Disease Progression in the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. Stem Cells, 2016, 34, 614-626.	1.4	68
82	Relationship between abdominal fat and bone mineral density in white and African American adults. Bone, 2012, 50, 576-579.	1.4	66
83	Administration of Murine Stromal Vascular Fraction Ameliorates Chronic Experimental Autoimmune Encephalomyelitis. Stem Cells Translational Medicine, 2013, 2, 789-796.	1.6	66
84	Effect of Various Freezing Parameters on the Immediate Post-Thaw Membrane Integrity of Adipose Tissue Derived Adult Stem Cells. Biotechnology Progress, 2005, 21, 1511-1524.	1.3	65
85	Mesenchymal Lineage Stem Cells Have Pronounced Anti-Inflammatory Effects in the Twitcher Mouse Model of Krabbe's Disease. Stem Cells, 2011, 29, 67-77.	1.4	64
86	Mesenchymal Stromal Cells: Past, Present, and Future. Veterinary Surgery, 2011, 40, 129-139.	0.5	62
87	Adipose Stromal Cells Repair Pressure Ulcers in Both Young and Elderly Mice: Potential Role of Adipogenesis in Skin Repair. Stem Cells Translational Medicine, 2015, 4, 632-642.	1.6	62
88	Platelet-Derived Growth Factor BB Enhances Osteogenesis of Adipose-Derived But Not Bone Marrow-Derived Mesenchymal Stromal/Stem Cells. Stem Cells, 2015, 33, 2773-2784.	1.4	61
89	Acceleration of spinal fusion using syngeneic and allogeneic adult adipose derived stem cells in a rat model. Journal of Orthopaedic Research, 2009, 27, 366-373.	1.2	60
90	Human mesenchymal stem cells from the umbilical cord matrix: Successful isolation and ex vivo expansion using serumâ€/xenoâ€free culture media. Biotechnology Journal, 2013, 8, 448-458.	1.8	60

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91	Differential Expression of Signal Transducers and Activators of Transcription during Human Adipogenesis. Biochemical and Biophysical Research Communications, 2001, 281, 907-912.	1.0	57
92	Circadian mechanisms in murine and human bone marrow mesenchymal stem cells following dexamethasone exposure. Bone, 2008, 42, 861-870.	1.4	57
93	Oncostatin M Is Produced in Adipose Tissue and Is Regulated in Conditions of Obesity and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E217-E225.	1.8	56
94	Adipocytes and the Regulation of Bone Remodeling: A Balancing Act. Calcified Tissue International, 2014, 94, 78-87.	1.5	54
95	Photoactivated miR-148bâ€“nanoparticle conjugates improve closure of critical size mouse calvarial defects. Acta Biomaterialia, 2015, 12, 166-173.	4.1	53
96	Platelet-Derived Growth Factor and Spatiotemporal Cues Induce Development of Vascularized Bone Tissue by Adipose-Derived Stem Cells. Tissue Engineering - Part A, 2013, 19, 2076-2086.	1.6	52
97	Impact of hypoxia and long-term cultivation on the genomic stability and mitochondrial performance of ex vivo expanded human stem/stromal cells. Stem Cell Research, 2012, 9, 225-236.	0.3	51
98	Expression of Peroxisome Proliferator Activated Receptor mRNA in Normal and Tumorigenic Rodent Mammary Glands. Biochemical and Biophysical Research Communications, 1998, 253, 813-817.	1.0	49
99	The Effect of Storage Time on Adipose-Derived Stem Cell Recovery from Human Lipoaspirates. Cells Tissues Organs, 2011, 194, 494-500.	1.3	48
100	Co-Transplantation of Adipose Tissue-Derived Stromal Cells and Olfactory Ensheathing Cells for Spinal Cord Injury Repair. Stem Cells, 2018, 36, 696-708.	1.4	48
101	Adipose tissue as a stem cell source for musculoskeletal regeneration. Frontiers in Bioscience - Scholar, 2011, S3, 69-81.	0.8	47
102	Adipose-Derived Stromal/Stem Cells (ASC) in Regenerative Medicine: Pharmaceutical Applications. Current Pharmaceutical Design, 2011, 17, 332-339.	0.9	47
103	Development and Characterization of a <scp>PHB</scp>â€<scp>HV</scp>â€based 3<scp>D</scp> Scaffold for a Tissue Engineering and Cellâ€therapy Combinatorial Approach for Spinal Cord Injury Regeneration. Macromolecular Bioscience, 2013, 13, 1576-1592.	2.1	47
104	Adipose tissue mitochondrial dysfunction in human obesity is linked to a specific DNA methylation signature in adipose-derived stem cells. International Journal of Obesity, 2019, 43, 1256-1268.	1.6	47
105	Transplantation of Autologous Adipose Stem Cells Lacks Therapeutic Efficacy in the Experimental Autoimmune Encephalomyelitis Model. PLoS ONE, 2014, 9, e85007.	1.1	46
106	Undifferentiated human adiposeâ€derived stromal/stem cells loaded onto wetâ€spun starchâ€“polycaprolactone scaffolds enhance bone regeneration: Nude mice calvarial defect in vivo study. Journal of Biomedical Materials Research - Part A, 2014, 102, 3102-3111.	2.1	46
107	Transport phenomena during freezing of adipose tissue derived adult stem cells. Biotechnology and Bioengineering, 2005, 92, 372-383.	1.7	45
108	Digital Signal Processing Reveals Circadian Baseline Oscillation in Majority of Mammalian Genes. PLoS Computational Biology, 2007, 3, e120.	1.5	45

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109	Cloning and characterization of the promoter of the murine lipoprotein lipase-encoding gene: structural and functional analysis. Gene, 1991, 107, 247-258.	1.0	44
110	Isolation of Human Adipose-Derived Stem Cells from Lipoaspirates. Methods in Molecular Biology, 2018, 1773, 155-165.	0.4	44
111	Central nervous system melanocortinâ€3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle. FASEB Journal, 2010, 24, 862-872.	0.2	43
112	Characterization of an Acellular Scaffold for a Tissue Engineering Approach to the Nipple-Areolar Complex Reconstruction. Cells Tissues Organs, 2017, 203, 183-193.	1.3	43
113	Fat circadian biology. Journal of Applied Physiology, 2009, 107, 1629-1637.	1.2	42
114	Glycemic control is impaired in the evening in prediabetes through multiple diurnal rhythms. Journal of Diabetes and Its Complications, 2014, 28, 836-843.	1.2	42
115	Adipose Stromal Vascular Fraction-Mediated Improvements at Late-Stage Disease in a Murine Model of Multiple Sclerosis. Stem Cells, 2017, 35, 532-544.	1.4	42
116	Decellularized Adipose Tissue Hydrogel Promotes Bone Regeneration in Critical-Sized Mouse Femoral Defect Model. Frontiers in Bioengineering and Biotechnology, 2019, 7, 211.	2.0	42
117	Evolution and future prospects of adipose-derived immunomodulatory cell therapeutics. Expert Review of Clinical Immunology, 2013, 9, 175-184.	1.3	41
118	Human Platelet Lysate as a Functional Substitute for Fetal Bovine Serum in the Culture of Human Adipose Derived Stromal/Stem Cells. Cells, 2019, 8, 724.	1.8	41
119	Interleukin 6 Mediates the Therapeutic Effects of Adipose-Derived Stromal/Stem Cells in Lipopolysaccharide-Induced Acute Lung Injury. Stem Cells, 2014, 32, 1616-1628.	1.4	40
120	Prospective influences of circadian clocks in adipose tissue and metabolism. Nature Reviews Endocrinology, 2011, 7, 98-107.	4.3	38
121	Novel daidzein analogs enhance osteogenic activity of bone marrow-derived mesenchymal stem cells and adipose-derived stromal/stem cells through estrogen receptor dependent and independent mechanisms. Stem Cell Research and Therapy, 2014, 5, 105.	2.4	38
122	Effects of Decade Long Freezing Storage on Adipose Derived Stem Cells Functionality. Scientific Reports, 2018, 8, 8162.	1.6	38
123	Decellularized Adipose Tissue: Biochemical Composition, in vivo Analysis and Potential Clinical Applications. Advances in Experimental Medicine and Biology, 2019, 1212, 57-70.	0.8	38
124	Obesityâ€Associated Dysregulation of Calpastatin and MMPâ€15 in Adiposeâ€Derived Stromal Cells Results in their Enhanced Invasion. Stem Cells, 2012, 30, 2774-2783.	1.4	37
125	Impact of low oxygen on the secretome of human adipose-derived stromal/stem cell primary cultures. Biochimie, 2013, 95, 2286-2296.	1.3	37
126	Comparative proteomic analyses of human adipose extracellular matrices decellularized using alternative procedures. Journal of Biomedical Materials Research - Part A, 2018, 106, 2481-2493.	2.1	37

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127	Tissue engineered autologous cartilage-bone grafts for temporomandibular joint regeneration. Science Translational Medicine, 2020, 12, .	5.8	37
128	Differentiated human adiposeâ€derived stem cells exhibit hepatogenic capability in vitro and in vivo. Journal of Cellular Physiology, 2010, 225, 429-436.	2.0	33
129	True or false: All genes are rhythmic. Annals of Medicine, 2011, 43, 1-12.	1.5	33
130	Vascular Morphogenesis of Adipose-Derived Stem Cells is Mediated by Heterotypic Cell-Cell Interactions. Tissue Engineering - Part A, 2012, 18, 1729-1740.	1.6	33
131	Comparison of infrapatellar and subcutaneous adipose tissue stromal vascular fraction and stromal/stem cells in osteoarthritic subjects. Journal of Tissue Engineering and Regenerative Medicine, 2014, 8, 757-762.	1.3	33
132	Effects of prolyl hydroxylase inhibitors on adipogenesis and hypoxia inducible factor 1 alpha levels under normoxic conditions. Journal of Cellular Biochemistry, 2007, 101, 1545-1557.	1.2	32
133	Fat-On-A-Chip Models for Research and Discovery in Obesity and Its Metabolic Comorbidities. Tissue Engineering - Part B: Reviews, 2020, 26, 586-595.	2.5	32
134	Use of animal protein-free products for passaging adherent human adipose-derived stromal/stem cells. Cytotherapy, 2011, 13, 594-597.	0.3	31
135	Adipose-Derived Stromal Cells Promote Allograft Tolerance Induction. Stem Cells Translational Medicine, 2014, 3, 1444-1450.	1.6	31
136	Transcriptomic Profiling of Adipose Derived Stem Cells Undergoing Osteogenesis by RNA-Seq. Scientific Reports, 2019, 9, 11800.	1.6	31
137	Secretome of mesenchymal stem/stromal cells in regenerative medicine. Biochimie, 2013, 95, 2195.	1.3	29
138	Human Adipose Tissue-Derived Stromal/Stem Cells Promote Migration and Early Metastasis of Head and Neck Cancer Xenografts. Aesthetic Surgery Journal, 2016, 36, 93-104.	0.9	29
139	The 4th dimension and adult stem cells: Can timing be everything?. Journal of Cellular Biochemistry, 2009, 107, 569-578.	1.2	28
140	Effects of Hyperinsulinemia on Lipolytic Function of Three-Dimensional Adipocyte/Endothelial Co-Cultures. Tissue Engineering - Part C: Methods, 2010, 16, 1157-1165.	1.1	28
141	Proteome of Human Subcutaneous Adipose Tissue Stromal Vascular Fraction Cells versus Mature Adipocytes Based on DIGE. Journal of Proteome Research, 2011, 10, 1519-1527.	1.8	28
142	Bone Marrow Adipocyte Developmental Origin and Biology. Current Osteoporosis Reports, 2018, 16, 312-319.	1.5	27
143	DNA Bending Is Induced by Binding of the Peroxisome Proliferator-Activated Receptor Î³2 Heterodimer to Its Response Element in the Murine Lipoprotein Lipase Promoter. Biochemical and Biophysical Research Communications, 1998, 244, 671-677.	1.0	26
144	Food entrainment of circadian gene expression altered in PPARÎ±â^'/â^' brown fat and heart. Biochemical and Biophysical Research Communications, 2007, 360, 828-833.	1.0	26

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145	Flow cytometric and immunohistochemical detection of in vivo BrdU-labeled cells in mouse fat depots. Biochemical and Biophysical Research Communications, 2009, 378, 539-544.	1.0	26
146	Antimicrobial biocompatible bioscaffolds for orthopaedic implants. Journal of Tissue Engineering and Regenerative Medicine, 2014, 8, 386-395.	1.3	26
147	Obesity inhibits the osteogenic differentiation of human adipose-derived stem cells. Journal of Translational Medicine, 2016, 14, 27.	1.8	26
148	Clinical Translational Potential in Skin Wound Regeneration for Adipose-Derived, Blood-Derived, and Cellulose Materials: Cells, Exosomes, and Hydrogels. Biomolecules, 2020, 10, 1373.	1.8	26
149	Lipolytic Function of Adipocyte/Endothelial Cocultures. Tissue Engineering - Part A, 2011, 17, 1437-1444.	1.6	25
150	Inducing Heat Shock Proteins Enhances the Stemness of Frozenâ€“Thawed Adipose Tissue-Derived Stem Cells. Stem Cells and Development, 2017, 26, 608-616.	1.1	25
151	Sandwiched White Adipose Tissue: A Microphysiological System of Primary Human Adipose Tissue. Tissue Engineering - Part C: Methods, 2018, 24, 135-145.	1.1	25
152	A Flow Cytometric Protocol for Titering Recombinant Adenoviral Vectors Containing the Green Fluorescent Protein. Molecular Biotechnology, 2000, 14, 197-203.	1.3	24
153	Direct Head-To-Head Comparison of Cationic Liposome-Mediated Gene Delivery to Mesenchymal Stem/Stromal Cells of Different Human Sources: A Comprehensive Study. Human Gene Therapy Methods, 2013, 24, 38-48.	2.1	24
154	Hybrid Syntheticâ€Biological Hydrogel System for Adipose Tissue Regeneration. Macromolecular Bioscience, 2018, 18, e1800122.	2.1	24
155	Human adipose-derived cells can serve as a single-cell source for thein vitrocultivation of vascularized bone grafts. Journal of Tissue Engineering and Regenerative Medicine, 2014, 8, 629-639.	1.3	23
156	Serially Transplanted Nonpericytic CD146â^' Adipose Stromal/Stem Cells in Silk Bioscaffolds Regenerate Adipose Tissue In Vivo. Stem Cells, 2016, 34, 1097-1111.	1.4	23
157	Human Adipose-Derived Hydrogel Characterization Based on In Vitro ASC Biocompatibility and Differentiation. Stem Cells International, 2019, 2019, 1-13.	1.2	23
158	Circadian rhythms in adipose tissue. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 554-561.	1.3	22
159	In vitro chondrogenic differentiation of human adipose-derived stem cells with silk scaffolds. Journal of Tissue Engineering, 2012, 3, 204173141246640.	2.3	22
160	Analysis of the Pro- and Anti-Inflammatory Cytokines Secreted by Adult Stem Cells during Differentiation. Stem Cells International, 2015, 2015, 1-12.	1.2	21
161	Characterization of a Murine Pressure Ulcer Model to Assess Efficacy of Adipose-derived Stromal Cells. Plastic and Reconstructive Surgery - Global Open, 2015, 3, e334.	0.3	20
162	Effect of Cryopreservation on Human Adipose Tissue and Isolated Stromal Vascular Fraction Cells: In Vitro and In Vivo Analyses. Plastic and Reconstructive Surgery, 2018, 141, 232e-243e.	0.7	20

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163	Influence of passage number on the impact of the secretome of adipose tissue stem cells on neural survival, neurodifferentiation and axonal growth. Biochimie, 2018, 155, 119-128.	1.3	20
164	Leptin's balancing act between bone and fat. Journal of Bone and Mineral Research, 2011, 26, 1694-1697.	3.1	19
165	Histamine-induced Ca2+ signalling is mediated by TRPM4 channels in human adipose-derived stem cells. Biochemical Journal, 2014, 463, 123-134.	1.7	19
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