Jeffrey M Gimble

List of Publications by Year in Descending Order

212 papers	22,771 citations	71 h-index	149 g-index
243 ext. papers	24,733 ext. citations	5.8 avg, IF	6.75 L-index

#	Paper	IF	Citations
212	Hybrid adipose graft materials synthesized from chemically modified adipose extracellular matrix. *Journal of Biomedical Materials Research - Part A*, **2022**, 110, 156-163	5.4	2
211	Discussion: The Importance of Protecting the Structure and Viability of Adipose Tissue for Fat Grafting. *Plastic and Reconstructive Surgery*, **2022**, 149, 1369-1369	2.7	
210	Developing a clinical grade human adipose decellularized biomaterial. *Biomaterials and Biosystems*, **2022**, 7, 100053		
209	Human adipose-derived stromal/stem cells expressing doublecortin improve cartilage repair in rabbits and monkeys. *Npj Regenerative Medicine*, **2021**, 6, 82	15.8	0
208	Breast Cancer Reconstruction: Design Criteria for a Humanized Microphysiological System. *Tissue Engineering - Part A*, **2021**, 27, 479-488	3.9	1
207	Human Adipose-Derived Stromal/Stem Cell Culture and Analysis Methods for Adipose Tissue Modeling In Vitro: A Systematic Review. *Cells*, **2021**, 10,	7.9	3
206	Decellularized Adipose Tissue: Biochemical Composition, in vivo Analysis and Potential Clinical Applications. *Advances in Experimental Medicine and Biology*, **2020**, 1212, 57-70	3.6	19
205	Human Adipose Derived Cells in Two- and Three-Dimensional Cultures: Functional Validation of an In Vitro Fat Construct. *Stem Cells International*, **2020**, 2020, 4242130	5	9
204	Fat-On-A-Chip Models for Research and Discovery in Obesity and Its Metabolic Comorbidities. *Tissue Engineering - Part B: Reviews*, **2020**, 26, 586-595	7.9	9
203	Cutaneous wound healing in aged, high fat diet-induced obese female or male C57BL/6 mice. *Aging*, **2020**, 12, 7066-7111	5.6	6
202	Clinical Translational Potential in Skin Wound Regeneration for Adipose-Derived, Blood-Derived, and Cellulose Materials: Cells, Exosomes, and Hydrogels. *Biomolecules*, **2020**, 10,	5.9	9
201	Tissue engineered autologous cartilage-bone grafts for temporomandibular joint regeneration. *Science Translational Medicine*, **2020**, 12,	17.5	16
200	Non-toxic freezing media to retain the stem cell reserves in adipose tissues. *Cryobiology*, **2020**, 96, 137-144	2.7	1
199	Proteomic characterization of a trauma-based rat model of heterotopic ossification identifies interactive signaling networks as potential therapeutic targets. *Journal of Proteomics*, **2020**, 226, 103907	3.9	1
198	Combination of a Gellan Gum-Based Hydrogel With Cell Therapy for the Treatment of Cervical Spinal Cord Injury. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 984	5.8	5
197	Characterization and Proteomic Analysis of Decellularized Adipose Tissue Hydrogels Derived from Lean and Overweight/Obese Human Donors. *Advanced Biology*, **2020**, 4, e2000124	3.5	6
196	Adenosine triphosphate enhances osteoblast differentiation of rat dental pulp stem cells via the PLC-IP pathway and intracellular Ca signaling. *Journal of Cellular Physiology*, **2020**, 235, 1723-1732	7	8

195	Decellularized Adipose Tissue Hydrogel Promotes Bone Regeneration in Critical-Sized Mouse Femoral Defect Model. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 211	5.8	23
194	Transcriptomic Profiling of Adipose Derived Stem Cells Undergoing Osteogenesis by RNA-Seq. *Scientific Reports*, **2019**, 9, 11800	4.9	16
193	Human Platelet Lysate as a Functional Substitute for Fetal Bovine Serum in the Culture of Human Adipose Derived Stromal/Stem Cells. *Cells*, **2019**, 8,	7.9	23
192	Human Adipose-Derived Hydrogel Characterization Based on ASC Biocompatibility and Differentiation. *Stem Cells International*, **2019**, 2019, 9276398	5	10
191	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	5.5	30
190	Isolation of Human Adipose-Derived Stem Cells from Lipoaspirates. *Methods in Molecular Biology*, **2018**, 1773, 155-165	1.4	13
189	Comparative proteomic analyses of human adipose extracellular matrices decellularized using alternative procedures. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 2481-2493	5.4	25
188	Therapeutic Applications for Adipose-Derived Stem Cells in Wound Healing and Tissue Engineering. *Current Stem Cell Reports*, **2018**, 4, 127-137	1.8	6
187	Bone Marrow Adipocyte Developmental Origin and Biology. *Current Osteoporosis Reports*, **2018**, 16, 312-319	5.4	23
186	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	2.7	16
185	Co-Transplantation of Adipose Tissue-Derived Stromal Cells and Olfactory Ensheathing Cells for Spinal Cord Injury Repair. *Stem Cells*, **2018**, 36, 696-708	5.8	33
184	Gender and age-related cell compositional differences in C57BL/6 murine adipose tissue stromal vascular fraction. *Adipocyte*, **2018**, 7, 183-189	3.2	12
183	Sandwiched White Adipose Tissue: A Microphysiological System of Primary Human Adipose Tissue. *Tissue Engineering - Part C: Methods*, **2018**, 24, 135-145	2.9	18
182	Hybrid Synthetic-Biological Hydrogel System for Adipose Tissue Regeneration. *Macromolecular Bioscience*, **2018**, 18, e1800122	5.5	15
181	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	4.6	14
180	Effects of Decade Long Freezing Storage on Adipose Derived Stem Cells Functionality. *Scientific Reports*, **2018**, 8, 8162	4.9	27
179	Concise Review: Using Fat to Fight Disease: A Systematic Review of Nonhomologous Adipose-Derived Stromal/Stem Cell Therapies. *Stem Cells*, **2018**, 36, 1311-1328	5.8	81
178	Adipose Derived Cells and Tissues for Regenerative Medicine. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1477-1482	5.5	6

177	Inducing Heat Shock Proteins Enhances the Stemness of Frozen-Thawed Adipose Tissue-Derived Stem Cells. *Stem Cells and Development*, **2017**, 26, 608-616	4.4	21
176	Characterization of an Acellular Scaffold for a Tissue Engineering Approach to the Nipple-Areolar Complex Reconstruction. *Cells Tissues Organs*, **2017**, 203, 183-193	2.1	18
175	Foxn1 and Mmp-9 expression in intact skin and during excisional wound repair in young, adult, and old C57Bl/6 mice. *Wound Repair and Regeneration*, **2017**, 25, 248-259	3.6	12
174	Contribution of Adipose-Derived Cells to Skin Wound Healing **2017**, 89-101		
173	Adipose Stromal Vascular Fraction-Mediated Improvements at Late-Stage Disease in a Murine Model of Multiple Sclerosis. *Stem Cells*, **2017**, 35, 532-544	5.8	28
172	Isolation and Primary Culture of Adult Human Adipose-derived Stromal/Stem Cells. *Bio-protocol*, **2017**, 7, e2161	0.9	1
171	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	2.4	20
170	Combination of a peptide-modified gellan gum hydrogel with cell therapy in a lumbar spinal cord injury animal model. *Biomaterials*, **2016**, 105, 38-51	15.6	53
169	Cryopreserved Adipose Tissue-Derived Stromal/Stem Cells: Potential for Applications in Clinic and Therapy. *Advances in Experimental Medicine and Biology*, **2016**, 951, 137-146	3.6	13
168	Tissue-engineered autologous grafts for facial bone reconstruction. *Science Translational Medicine*, **2016**, 8, 343ra83	17.5	131
167	Obesity inhibits the osteogenic differentiation of human adipose-derived stem cells. *Journal of Translational Medicine*, **2016**, 14, 27	8.5	14
166	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, 614-26	5.8	48
165	Vasopressin-induced Ca(2+) signals in human adipose-derived stem cells. *Cell Calcium*, **2016**, 59, 135-9	4	4
164	Strain differences in the attenuation of bone accrual in a young growing mouse model of insulin resistance. *Journal of Bone and Mineral Metabolism*, **2016**, 34, 380-94	2.9	15
163	Serially Transplanted Nonpericytic CD146(-) Adipose Stromal/Stem Cells in Silk Bioscaffolds Regenerate Adipose Tissue In Vivo. *Stem Cells*, **2016**, 34, 1097-111	5.8	19
162	Modulation of mesenchymal stem cell behavior by nano- and micro-sized β-tricalcium phosphate particles in suspension and composite structures. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	6
161	Leptin produced by obese adipose stromal/stem cells enhances proliferation and metastasis of estrogen receptor positive breast cancers. *Breast Cancer Research*, **2015**, 17, 112	8.3	114
160	Photoactivated miR-148b-nanoparticle conjugates improve closure of critical size mouse calvarial defects. *Acta Biomaterialia*, **2015**, 12, 166-173	10.8	41

159	Concise review: The obesity cancer paradigm: exploration of the interactions and crosstalk with adipose stem cells. *Stem Cells*, **2015**, 33, 318-26	5.8	55
158	The Relative Functionality of Freshly Isolated and Cryopreserved Human Adipose-Derived Stromal/Stem Cells. *Cells Tissues Organs*, **2015**, 201, 436-444	2.1	11
157	Platelet-Derived Growth Factor BB Enhances Osteogenesis of Adipose-Derived But Not Bone Marrow-Derived Mesenchymal Stromal/Stem Cells. *Stem Cells*, **2015**, 33, 2773-84	5.8	50
156	Analysis of the Pro- and Anti-Inflammatory Cytokines Secreted by Adult Stem Cells during Differentiation. *Stem Cells International*, **2015**, 2015, 412467	5	15
155	Arginine vasopressin inhibits adipogenesis in human adipose-derived stem cells. *Molecular and Cellular Endocrinology*, **2015**, 406, 1-9	4.4	10
154	Characterization of a Murine Pressure Ulcer Model to Assess Efficacy of Adipose-derived Stromal Cells. *Plastic and Reconstructive Surgery - Global Open*, **2015**, 3, e334	1.2	16
153	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, 632-42	6.9	47
152	Stromal cells and stem cells in clinical bone regeneration. *Nature Reviews Endocrinology*, **2015**, 11, 140-50	15.2	266
151	Interleukin 6 mediates the therapeutic effects of adipose-derived stromal/stem cells in lipopolysaccharide-induced acute lung injury. *Stem Cells*, **2014**, 32, 1616-28	5.8	33
150	A xenogeneic-free bioreactor system for the clinical-scale expansion of human mesenchymal stem/stromal cells. *Biotechnology and Bioengineering*, **2014**, 111, 1116-27	4.9	105
149	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, E217-25	5.6	41
148	Undifferentiated human adipose-derived stromal/stem cells loaded onto wet-spun starch-polycaprolactone scaffolds enhance bone regeneration: nude mice calvarial defect in vivo study. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 3102-11	5.4	44
147	Bisphenol A enhances adipogenic differentiation of human adipose stromal/stem cells. *Journal of Molecular Endocrinology*, **2014**, 53, 345-53	4.5	75
146	Adipocytes and the regulation of bone remodeling: a balancing act. *Calcified Tissue International*, **2014**, 94, 78-87	3.9	48
145	Human adipose-derived stromal/stem cell isolation, culture, and osteogenic differentiation. *Methods in Enzymology*, **2014**, 538, 67-88	1.7	10
144	Human adipose-derived mesenchymal stromal cell pigment epithelium-derived factor cytotherapy modifies genetic and epigenetic profiles of prostate cancer cells. *Cytotherapy*, **2014**, 16, 346-56	4.8	11
143	Transplantation of autologous adipose stem cells lacks therapeutic efficacy in the experimental autoimmune encephalomyelitis model. *PLoS ONE*, **2014**, 9, e85007	3.7	38
142	Human adipose tissue-derived stromal/stem cells promote migration and early metastasis of triple negative breast cancer xenografts. *PLoS ONE*, **2014**, 9, e89595	3.7	127

141	Comparison of Stromal/Stem Cells Isolated from Human Omental and Subcutaneous Adipose Depots: Differentiation and Immunophenotypic Characterization. *Cells Tissues Organs*, **2014**, 200, 204-11	2.1	6
140	Histamine-induced Ca□+ signalling is mediated by TRPM4 channels in human adipose-derived stem cells. *Biochemical Journal*, **2014**, 463, 123-34	3.8	15
139	Adipose-derived stromal cells promote allograft tolerance induction. *Stem Cells Translational Medicine*, **2014**, 3, 1444-50	6.9	26
138	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	8.3	20
137	Burned to the bone. *Science Translational Medicine*, **2014**, 6, 255fs37	17.5	12
136	In vitro human adipose-derived stromal/stem cells osteogenesis in akermanite:poly-□caprolactone scaffolds. *Journal of Biomaterials Applications*, **2014**, 28, 998-1007	2.9	7
135	Antimicrobial biocompatible bioscaffolds for orthopaedic implants. *Journal of Tissue Engineering and Regenerative Medicine*, **2014**, 8, 386-95	4.4	22
134	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, 757-62	4.4	26
133	Human adipose-derived cells can serve as a single-cell source for the in vitro cultivation of vascularized bone grafts. *Journal of Tissue Engineering and Regenerative Medicine*, **2014**, 8, 629-39	4.4	20
132	Glycemic control is impaired in the evening in prediabetes through multiple diurnal rhythms. *Journal of Diabetes and Its Complications*, **2014**, 28, 836-43	3.2	24
131	Impact of low oxygen on the secretome of human adipose-derived stromal/stem cell primary cultures. *Biochimie*, **2013**, 95, 2286-96	4.6	31
130	Development and characterization of a PHB-HV-based 3D scaffold for a tissue engineering and cell-therapy combinatorial approach for spinal cord injury regeneration. *Macromolecular Bioscience*, **2013**, 13, 1576-92	5.5	42
129	Methylcellulose based thermally reversible hydrogel system for tissue engineering applications. *Cells*, **2013**, 2, 460-75	7.9	51
128	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	6.9	58
127	miR-148b-nanoparticle conjugates for light mediated osteogenesis of human adipose stromal/stem cells. *Biomaterials*, **2013**, 34, 7799-810	15.6	64
126	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	4.9	21
125	Evolution and future prospects of adipose-derived immunomodulatory cell therapeutics. *Expert Review of Clinical Immunology*, **2013**, 9, 175-84	5.1	33
124	Platelet-derived growth factor and spatiotemporal cues induce development of vascularized bone tissue by adipose-derived stem cells. *Tissue Engineering - Part A*, **2013**, 19, 2076-86	3.9	46

123	Human mesenchymal stem cells from the umbilical cord matrix: successful isolation and ex vivo expansion using serum-/xeno-free culture media. *Biotechnology Journal*, **2013**, 8, 448-58	5.6	45
122	Adipose Tissue Derived Stem Cells and Their Regeneration Potential **2013**, 241-258		6
121	Stromal cells from the adipose tissue-derived stromal vascular fraction and culture expanded adipose tissue-derived stromal/stem cells: a joint statement of the International Federation for Adipose Therapeutics and Science (IFATS) and the International Society for Cellular Therapy (ISCT). *Cytotherapy*, **2013**, 15, 641-8	4.8	1149
120	A non-enzymatic method for isolating human adipose tissue-derived stromal stem cells. *Cytotherapy*, **2013**, 15, 979-85	4.8	80
119	Administration of murine stromal vascular fraction ameliorates chronic experimental autoimmune encephalomyelitis. *Stem Cells Translational Medicine*, **2013**, 2, 789-96	6.9	48
118	Adipose-derived stromal/stem cells: a primer. *Organogenesis*, **2013**, 9, 3-10	1.7	75
117	Discussion: Prevalence of endogenous CD34+ adipose stem cells predicts human fat graft retention in a xenograft model. *Plastic and Reconstructive Surgery*, **2013**, 132, 859-860	2.7	2
116	A novel mouse model of metastatic thyroid carcinoma using human adipose tissue-derived stromal/stem cells. *Anticancer Research*, **2013**, 33, 4213-7	2.3	8
115	Tools for the identification of bioactives impacting the metabolic syndrome: screening of a botanical extract library using subcutaneous and visceral human adipose-derived stem cell-based assays. *Journal of Nutritional Biochemistry*, **2012**, 23, 519-25	6.3	4
114	The relationship between adipose tissue and bone metabolism. *Clinical Biochemistry*, **2012**, 45, 874-9	3.5	71
113	Obesity-associated dysregulation of calpastatin and MMP-15 in adipose-derived stromal cells results in their enhanced invasion. *Stem Cells*, **2012**, 30, 2774-83	5.8	30
112	Development of silk-based scaffolds for tissue engineering of bone from human adipose-derived stem cells. *Acta Biomaterialia*, **2012**, 8, 2483-92	10.8	184
111	Relationship between abdominal fat and bone mineral density in white and African American adults. *Bone*, **2012**, 50, 576-9	4.7	48
110	Vascular morphogenesis of adipose-derived stem cells is mediated by heterotypic cell-cell interactions. *Tissue Engineering - Part A*, **2012**, 18, 1729-40	3.9	33
109	Stem cells bleed into brown fat. *Cell Metabolism*, **2012**, 16, 288-9	24.6	3
108	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, 225-36	1.6	45
107	Human adipose-derived cells: an update on the transition to clinical translation. *Regenerative Medicine*, **2012**, 7, 225-35	2.5	133
106	In vitro chondrogenic differentiation of human adipose-derived stem cells with silk scaffolds. *Journal of Tissue Engineering*, **2012**, 3, 2041731412466405	7.5	19

105	Proteome of human subcutaneous adipose tissue stromal vascular fraction cells versus mature adipocytes based on DIGE. *Journal of Proteome Research*, **2011**, 10, 1519-27	5.6	26
104	Prospective influences of circadian clocks in adipose tissue and metabolism. *Nature Reviews Endocrinology*, **2011**, 7, 98-107	15.2	32
103	Micropatterned mammalian cells exhibit phenotype-specific left-right asymmetry. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12295-300	11.5	160
102	Use of animal protein-free products for passaging adherent human adipose-derived stromal/stem cells. *Cytotherapy*, **2011**, 13, 594-7	4.8	27
101	Effect of intrastriatal mesenchymal stromal cell injection on progression of a murine model of Krabbe disease. *Behavioural Brain Research*, **2011**, 225, 415-25	3.4	14
100	Prospecting for adipose progenitor cell biomarkers: biopanning for gold with in vivo phage display. *Cell Stem Cell*, **2011**, 9, 1-2	18	4
99	Adipose tissue as a stem cell source for musculoskeletal regeneration. *Frontiers in Bioscience - Scholar*, **2011**, 3, 69-81	2.4	43
98	Age-related changes in mesenchymal stem cells derived from rhesus macaque bone marrow. *Aging Cell*, **2011**, 10, 66-79	9.9	122
97	Mesenchymal stromal cells: past, present, and future. *Veterinary Surgery*, **2011**, 40, 129-39	1.7	56
96	Metabolism: what causes the gut's circadian instincts?. *Current Biology*, **2011**, 21, R624-6	6.3	4
95	Small RNA sequencing and functional characterization reveals MicroRNA-143 tumor suppressor activity in liposarcoma. *Cancer Research*, **2011**, 71, 5659-69	10.1	92
94	Pharmacokinetic pilot study of the antiangiogenic activity of standardized platycodi radix. *Advances in Therapy*, **2011**, 28, 857-65	4.1	6
93	Mesenchymal lineage stem cells have pronounced anti-inflammatory effects in the twitcher mouse model of Krabbe's disease. *Stem Cells*, **2011**, 29, 67-77	5.8	57
92	Concise review: Adipose-derived stromal vascular fraction cells and stem cells: let's not get lost in translation. *Stem Cells*, **2011**, 29, 749-54	5.8	179
91	Leptin's balancing act between bone and fat. *Journal of Bone and Mineral Research*, **2011**, 26, 1694-7	6.3	16
90	Phases I-III Clinical Trials Using Adult Stem Cells. *Stem Cells International*, **2011**, 2010, 604713	5	11
89	True or false: all genes are rhythmic. *Annals of Medicine*, **2011**, 43, 1-12	1.5	24
88	Evidence suggesting that the cardiomyocyte circadian clock modulates responsiveness of the heart to hypertrophic stimuli in mice. *Chronobiology International*, **2011**, 28, 187-203	3.6	74

87	Impaired expansion and multipotentiality of adult stromal cells in a rat chronic alcohol abuse model. *Alcohol*, **2011**, 45, 393-402	2.7	6
86	Lipolytic function of adipocyte/endothelial cocultures. *Tissue Engineering - Part A*, **2011**, 17, 1437-44	3.9	22
85	Circadian rhythms in adipose tissue: an update. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2011**, 14, 554-61	3.8	16
84	The effect of storage time on adipose-derived stem cell recovery from human lipoaspirates. *Cells Tissues Organs*, **2011**, 194, 494-500	2.1	43
83	Adipose-derived stromal/stem cells (ASC) in regenerative medicine: pharmaceutical applications. *Current Pharmaceutical Design*, **2011**, 17, 332-9	3.3	42
82	Isolation of adipose-derived stem cells and their induction to a chondrogenic phenotype. *Nature Protocols*, **2010**, 5, 1294-311	18.8	324
81	Central nervous system melanocortin-3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle. *FASEB Journal*, **2010**, 24, 862-72	0.9	40
80	Bone grafts engineered from human adipose-derived stem cells in perfusion bioreactor culture. *Tissue Engineering - Part A*, **2010**, 16, 179-89	3.9	138
79	Adipose tissue engineering for soft tissue regeneration. *Tissue Engineering - Part B: Reviews*, **2010**, 16, 413-26	7.9	176
78	Adipose tissue derived stem cells secretome: soluble factors and their roles in regenerative medicine. *Current Stem Cell Research and Therapy*, **2010**, 5, 103-10	3.6	402
77	Effects of hyperinsulinemia on lipolytic function of three-dimensional adipocyte/endothelial co-cultures. *Tissue Engineering - Part C: Methods*, **2010**, 16, 1157-65	2.9	23
76	Comparative epigenomic analysis of murine and human adipogenesis. *Cell*, **2010**, 143, 156-69	56.2	402
75	Yield and characterization of subcutaneous human adipose-derived stem cells by flow cytometric and adipogenic mRNA analyzes. *Cytotherapy*, **2010**, 12, 538-46	4.8	93
74	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, 1836-45	5.3	309
73	Clinical and preclinical translation of cell-based therapies using adipose tissue-derived cells. *Stem Cell Research and Therapy*, **2010**, 1, 19	8.3	196
72	Inhibition of fatty acid biosynthesis prevents adipocyte lipotoxicity on human osteoblasts in vitro. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 982-91	5.6	123
71	Differentiated human adipose-derived stem cells exhibit hepatogenic capability in vitro and in vivo. *Journal of Cellular Physiology*, **2010**, 225, 429-36	7	29
70	Cryopreservation of stromal vascular fraction of adipose tissue in a serum-free freezing medium. *Journal of Tissue Engineering and Regenerative Medicine*, **2010**, 4, 224-32	4.4	58

69	In vitro 3D model for human vascularized adipose tissue. *Tissue Engineering - Part A*, **2009**, 15, 2227-36	3.9	107
68	Immunogenicity of allogeneic adipose-derived stem cells in a rat spinal fusion model. *Tissue Engineering - Part A*, **2009**, 15, 2677-86	3.9	58
67	Fat circadian biology. *Journal of Applied Physiology*, **2009**, 107, 1629-37	3.7	35
66	The 4th dimension and adult stem cells: Can timing be everything?. *Journal of Cellular Biochemistry*, **2009**, 107, 569-78	4.7	25
65	Acceleration of spinal fusion using syngeneic and allogeneic adult adipose derived stem cells in a rat model. *Journal of Orthopaedic Research*, **2009**, 27, 366-73	3.8	52
64	Comparative chondrogenesis of human cell sources in 3D scaffolds. *Journal of Tissue Engineering and Regenerative Medicine*, **2009**, 3, 348-60	4.4	99
63	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, 553-61	4.4	83
62	Flow cytometric and immunohistochemical detection of in vivo BrdU-labeled cells in mouse fat depots. *Biochemical and Biophysical Research Communications*, **2009**, 378, 539-44	3.4	25
61	Control of stem cell fate by physical interactions with the extracellular matrix. *Cell Stem Cell*, **2009**, 5, 17-26	18	1459
60	Human Proteinpedia enables sharing of human protein data. *Nature Biotechnology*, **2008**, 26, 164-7	44.5	138
59	Comparison of chondrogenic potential in equine mesenchymal stromal cells derived from adipose tissue and bone marrow. *Veterinary Surgery*, **2008**, 37, 713-24	1.7	158
58	IFATS collection: Stem cell antigen-1-positive ear mesenchymal stem cells display enhanced adipogenic potential. *Stem Cells*, **2008**, 26, 2666-73	5.8	16
57	Circadian mechanisms in murine and human bone marrow mesenchymal stem cells following dexamethasone exposure. *Bone*, **2008**, 42, 861-70	4.7	52
56	In vitro Differentiation Potential of Mesenchymal Stem Cells. *Transfusion Medicine and Hemotherapy*, **2008**, 35, 228-238	4.2	85
55	The melanocortin-3 receptor is required for entrainment to meal intake. *Journal of Neuroscience*, **2008**, 28, 12946-55	6.6	110
54	Fat Stem Cells **2008**, 143-174		
53	Secretome of primary cultures of human adipose-derived stem cells: modulation of serpins by adipogenesis. *Molecular and Cellular Proteomics*, **2007**, 6, 18-28	7.6	169
52	Effects of prolyl hydroxylase inhibitors on adipogenesis and hypoxia inducible factor 1 alpha levels under normoxic conditions. *Journal of Cellular Biochemistry*, **2007**, 101, 1545-57	4.7	29

51	Cytokine profile of human adipose-derived stem cells: expression of angiogenic, hematopoietic, and pro-inflammatory factors. *Journal of Cellular Physiology*, **2007**, 212, 702-9	7	496
50	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, 5280-90	15.6	309
49	Cryopreservation characteristics of adipose-derived stem cells: maintenance of differentiation potential and viability. *Journal of Tissue Engineering and Regenerative Medicine*, **2007**, 1, 322-4	4.4	90
48	Characterization of equine adipose tissue-derived stromal cells: adipogenic and osteogenic capacity and comparison with bone marrow-derived mesenchymal stromal cells. *Veterinary Surgery*, **2007**, 36, 613-22	1.7	170
47	Circadian oscillation of gene expression in murine calvarial bone. *Journal of Bone and Mineral Research*, **2007**, 22, 357-65	6.3	81
46	Adipose-derived stem cells for regenerative medicine. *Circulation Research*, **2007**, 100, 1249-60	15.7	1782
45	Digital signal processing reveals circadian baseline oscillation in majority of mammalian genes. *PLoS Computational Biology*, **2007**, 3, e120	5	38
44	Gene expression profiling reveals a regulatory role for ROR alpha and ROR gamma in phase I and phase II metabolism. *Physiological Genomics*, **2007**, 31, 281-94	3.6	156
43	Food entrainment of circadian gene expression altered in PPARalpha-/- brown fat and heart. *Biochemical and Biophysical Research Communications*, **2007**, 360, 828-33	3.4	23
42	Playing with bone and fat. *Journal of Cellular Biochemistry*, **2006**, 98, 251-66	4.7	426
41	Clonal analysis of the differentiation potential of human adipose-derived adult stem cells. *Journal of Cellular Physiology*, **2006**, 206, 229-37	7	390
40	Circadian clocks are resounding in peripheral tissues. *PLoS Computational Biology*, **2006**, 2, e16	5	102
39	Characterization of peripheral circadian clocks in adipose tissues. *Diabetes*, **2006**, 55, 962-70	0.9	382
38	Cell growth characteristics and differentiation frequency of adherent equine bone marrow-derived mesenchymal stromal cells: adipogenic and osteogenic capacity. *Veterinary Surgery*, **2006**, 35, 601-10	1.7	152
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