

Jeffrey M Gimble

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Adipose-derived stem cells for regenerative medicine. <i>Circulation Research</i> , 2007 , 100, 1249-60	15.7	1782
211	Control of stem cell fate by physical interactions with the extracellular matrix. <i>Cell Stem Cell</i> , 2009 , 5, 17-26	18	1459
210	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). <i>Cytotherapy</i> , 2013 , 15, 611-8	4.8	1149
209	Immunophenotype of human adipose-derived cells: temporal changes in stromal-associated and stem cell-associated markers. <i>Stem Cells</i> , 2006 , 24, 376-85	5.8	908
208	Surface protein characterization of human adipose tissue-derived stromal cells. <i>Journal of Cellular Physiology</i> , 2001 , 189, 54-63	7	869
207	Chondrogenic differentiation of adipose-derived adult stem cells in agarose, alginate, and gelatin scaffolds. <i>Biomaterials</i> , 2004 , 25, 3211-22	15.6	655
206	Neurogenic differentiation of murine and human adipose-derived stromal cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 294, 371-9	3.4	645
205	Chondrogenic potential of adipose tissue-derived stromal cells in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 763-9	3.4	559
204	Cytokine profile of human adipose-derived stem cells: expression of angiogenic, hematopoietic, and pro-inflammatory factors. <i>Journal of Cellular Physiology</i> , 2007 , 212, 702-9	7	496
203	Extracellular matrix mineralization and osteoblast gene expression by human adipose tissue-derived stromal cells. <i>Tissue Engineering</i> , 2001 , 7, 729-41		441
202	Playing with bone and fat. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 251-66	4.7	426
201	The immunogenicity of human adipose-derived cells: temporal changes in vitro. <i>Stem Cells</i> , 2006 , 24, 1246-53	5.8	425
200	Adipose tissue derived stem cells secretome: soluble factors and their roles in regenerative medicine. <i>Current Stem Cell Research and Therapy</i> , 2010 , 5, 103-10	3.6	402
199	Comparative epigenomic analysis of murine and human adipogenesis. <i>Cell</i> , 2010 , 143, 156-69	56.2	402
198	Clonal analysis of the differentiation potential of human adipose-derived adult stem cells. <i>Journal of Cellular Physiology</i> , 2006 , 206, 229-37	7	390
197	Characterization of peripheral circadian clocks in adipose tissues. <i>Diabetes</i> , 2006 , 55, 962-70	0.9	382
196	Isolation of adipose-derived stem cells and their induction to a chondrogenic phenotype. <i>Nature Protocols</i> , 2010 , 5, 1294-311	18.8	324

195	Obesity increases the production of proinflammatory mediators from adipose tissue T cells and compromises TCR repertoire diversity: implications for systemic inflammation and insulin resistance. <i>Journal of Immunology</i> , 2010 , 185, 1836-45	5.3	309
194	Engineering adipose-like tissue in vitro and in vivo utilizing human bone marrow and adipose-derived mesenchymal stem cells with silk fibroin 3D scaffolds. <i>Biomaterials</i> , 2007 , 28, 5280-90	15.6	309
193	Controlling the balance between osteoblastogenesis and adipogenesis and the consequent therapeutic implications. <i>Current Opinion in Pharmacology</i> , 2004 , 4, 290-4	5.1	299
192	Human adipose-derived adult stem cells produce osteoid in vivo. <i>Tissue Engineering</i> , 2004 , 10, 371-80		272
191	Stromal cells and stem cells in clinical bone regeneration. <i>Nature Reviews Endocrinology</i> , 2015 , 11, 140-50	5.2	266
190	Adipogenic potential of human adipose derived stromal cells from multiple donors is heterogeneous. <i>Journal of Cellular Biochemistry</i> , 2001 , 81, 312-9	4.7	215
189	Differentiation potential of adipose derived adult stem (ADAS) cells. <i>Current Topics in Developmental Biology</i> , 2003 , 58, 137-60	5.3	213
188	Clinical and preclinical translation of cell-based therapies using adipose tissue-derived cells. <i>Stem Cell Research and Therapy</i> , 2010 , 1, 19	8.3	196
187	CAAT/enhancer binding proteins directly modulate transcription from the peroxisome proliferator-activated receptor gamma 2 promoter. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 240, 99-103	3.4	193
186	Development of silk-based scaffolds for tissue engineering of bone from human adipose-derived stem cells. <i>Acta Biomaterialia</i> , 2012 , 8, 2483-92	10.8	184
185	Concise review: Adipose-derived stromal vascular fraction cells and stem cells: let's not get lost in translation. <i>Stem Cells</i> , 2011 , 29, 749-54	5.8	179
184	Adipose tissue engineering for soft tissue regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2010 , 16, 413-26	7.9	176
183	Influence of oxygen on the proliferation and metabolism of adipose derived adult stem cells. <i>Journal of Cellular Physiology</i> , 2005 , 204, 184-91	7	176
182	Effects of transforming growth factor beta1 and dexamethasone on the growth and chondrogenic differentiation of adipose-derived stromal cells. <i>Tissue Engineering</i> , 2003 , 9, 1301-12		174
181	Characterization of equine adipose tissue-derived stromal cells: adipogenic and osteogenic capacity and comparison with bone marrow-derived mesenchymal stromal cells. <i>Veterinary Surgery</i> , 2007 , 36, 613-22	1.7	170
180	Secretome of primary cultures of human adipose-derived stem cells: modulation of serpins by adipogenesis. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 18-28	7.6	169
179	Osteoblastic gene expression during adipogenesis in hematopoietic supporting murine bone marrow stromal cells. <i>Journal of Cellular Physiology</i> , 1993 , 154, 317-28	7	168
178	Micropatterned mammalian cells exhibit phenotype-specific left-right asymmetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12295-300	11.5	160

177	Comparison of chondrogenic potential in equine mesenchymal stromal cells derived from adipose tissue and bone marrow. <i>Veterinary Surgery</i> , 2008 , 37, 713-24	1.7	158
176	Gene expression profiling reveals a regulatory role for ROR alpha and ROR gamma in phase I and phase II metabolism. <i>Physiological Genomics</i> , 2007 , 31, 281-94	3.6	156
175	Cell growth characteristics and differentiation frequency of adherent equine bone marrow-derived mesenchymal stromal cells: adipogenic and osteogenic capacity. <i>Veterinary Surgery</i> , 2006 , 35, 601-10	1.7	152
174	Bone grafts engineered from human adipose-derived stem cells in perfusion bioreactor culture. <i>Tissue Engineering - Part A</i> , 2010 , 16, 179-89	3.9	138
173	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008 , 26, 164-7	44.5	138
172	Adipose tissue-derived therapeutics. <i>Expert Opinion on Biological Therapy</i> , 2003 , 3, 705-13	5.4	137
171	Human adipose-derived cells: an update on the transition to clinical translation. <i>Regenerative Medicine</i> , 2012 , 7, 225-35	2.5	133
170	Tissue-engineered autologous grafts for facial bone reconstruction. <i>Science Translational Medicine</i> , 2016 , 8, 343ra83	17.5	131
169	Adipose-derived adult stem cells for cartilage tissue engineering. <i>Biorheology</i> , 2004 , 41, 389-99	1.7	131
168	Human adipose tissue-derived stromal/stem cells promote migration and early metastasis of triple negative breast cancer xenografts. <i>PLoS ONE</i> , 2014 , 9, e89595	3.7	127
167	Inhibition of fatty acid biosynthesis prevents adipocyte lipotoxicity on human osteoblasts in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 982-91	5.6	123
166	Age-related changes in mesenchymal stem cells derived from rhesus macaque bone marrow. <i>Aging Cell</i> , 2011 , 10, 66-79	9.9	122
165	Proteomic analysis of primary cultures of human adipose-derived stem cells: modulation by Adipogenesis. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 731-40	7.6	118
164	Structural and functional consequences of mitochondrial biogenesis in human adipocytes in vitro. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 6650-6	5.6	115
163	Leptin produced by obese adipose stromal/stem cells enhances proliferation and metastasis of estrogen receptor positive breast cancers. <i>Breast Cancer Research</i> , 2015 , 17, 112	8.3	114
162	The melanocortin-3 receptor is required for entrainment to meal intake. <i>Journal of Neuroscience</i> , 2008 , 28, 12946-55	6.6	110
161	In vitro 3D model for human vascularized adipose tissue. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2227-36	3.9	107
160	A xenogeneic-free bioreactor system for the clinical-scale expansion of human mesenchymal stem/stromal cells. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1116-27	4.9	105

159	Circadian clocks are resounding in peripheral tissues. <i>PLoS Computational Biology</i> , 2006 , 2, e16	5	102
158	Comparative chondrogenesis of human cell sources in 3D scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009 , 3, 348-60	4.4	99
157	Mechanical signals as regulators of stem cell fate. <i>Current Topics in Developmental Biology</i> , 2004 , 60, 91-126	5.3	99
156	Regulation of bone marrow stromal cell differentiation by cytokines whose receptors share the gp130 protein. <i>Journal of Cellular Biochemistry</i> , 1994 , 54, 122-33	4.7	94
155	Yield and characterization of subcutaneous human adipose-derived stem cells by flow cytometric and adipogenic mRNA analyzes. <i>Cytotherapy</i> , 2010 , 12, 538-46	4.8	93
154	Small RNA sequencing and functional characterization reveals MicroRNA-143 tumor suppressor activity in liposarcoma. <i>Cancer Research</i> , 2011 , 71, 5659-69	10.1	92
153	COOH-terminal disruption of lipoprotein lipase in mice is lethal in homozygotes, but heterozygotes have elevated triglycerides and impaired enzyme activity. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12518-25	5.4	91
152	Cryopreservation characteristics of adipose-derived stem cells: maintenance of differentiation potential and viability. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2007 , 1, 322-4	4.4	90
151	Modulation of the murine peroxisome proliferator-activated receptor gamma 2 promoter activity by CCAAT/enhancer-binding proteins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27815-22	5.4	87
150	In vitro Differentiation Potential of Mesenchymal Stem Cells. <i>Transfusion Medicine and Hemotherapy</i> , 2008 , 35, 228-238	4.2	85
149	Culture effects of epidermal growth factor (EGF) and basic fibroblast growth factor (bFGF) on cryopreserved human adipose-derived stromal/stem cell proliferation and adipogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009 , 3, 553-61	4.4	83
148	Circadian oscillation of gene expression in murine calvarial bone. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 357-65	6.3	81
147	Concise Review: Using Fat to Fight Disease: A Systematic Review of Nonhomologous Adipose-Derived Stromal/Stem Cell Therapies. <i>Stem Cells</i> , 2018 , 36, 1311-1328	5.8	81
146	A non-enzymatic method for isolating human adipose tissue-derived stromal stem cells. <i>Cytotherapy</i> , 2013 , 15, 979-85	4.8	80
145	Bisphenol A enhances adipogenic differentiation of human adipose stromal/stem cells. <i>Journal of Molecular Endocrinology</i> , 2014 , 53, 345-53	4.5	75
144	Adipose-derived stromal/stem cells: a primer. <i>Organogenesis</i> , 2013 , 9, 3-10	1.7	75
143	Evidence suggesting that the cardiomyocyte circadian clock modulates responsiveness of the heart to hypertrophic stimuli in mice. <i>Chronobiology International</i> , 2011 , 28, 187-203	3.6	74
142	The relationship between adipose tissue and bone metabolism. <i>Clinical Biochemistry</i> , 2012 , 45, 874-9	3.5	71

141	Effect of peroxisome proliferator-activated receptor alpha activators on tumor necrosis factor expression in mice during endotoxemia. <i>Infection and Immunity</i> , 1999 , 67, 3488-93	3.7	66
140	miR-148b-nanoparticle conjugates for light mediated osteogenesis of human adipose stromal/stem cells. <i>Biomaterials</i> , 2013 , 34, 7799-810	15.6	64
139	The derivation and characterization of stromal cell lines from the bone marrow of p53-/- mice: new insights into osteoblast and adipocyte differentiation. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 195-204	6.3	60
138	Age of the donor reduces the ability of human adipose-derived stem cells to alleviate symptoms in the experimental autoimmune encephalomyelitis mouse model. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 797-807	6.9	58
137	Immunogenicity of allogeneic adipose-derived stem cells in a rat spinal fusion model. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2677-86	3.9	58
136	Cryopreservation of stromal vascular fraction of adipose tissue in a serum-free freezing medium. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010 , 4, 224-32	4.4	58
135	Mesenchymal lineage stem cells have pronounced anti-inflammatory effects in the twitcher mouse model of Krabbe's disease. <i>Stem Cells</i> , 2011 , 29, 67-77	5.8	57
134	Mesenchymal stromal cells: past, present, and future. <i>Veterinary Surgery</i> , 2011 , 40, 129-39	1.7	56
133	Concise review: The obesity cancer paradigm: exploration of the interactions and crosstalk with adipose stem cells. <i>Stem Cells</i> , 2015 , 33, 318-26	5.8	55
132	Effect of various freezing parameters on the immediate post-thaw membrane integrity of adipose tissue derived adult stem cells. <i>Biotechnology Progress</i> , 2005 , 21, 1511-24	2.8	54
131	Combination of a peptide-modified gellan gum hydrogel with cell therapy in a lumbar spinal cord injury animal model. <i>Biomaterials</i> , 2016 , 105, 38-51	15.6	53
130	Acceleration of spinal fusion using syngeneic and allogeneic adult adipose derived stem cells in a rat model. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 366-73	3.8	52
129	Circadian mechanisms in murine and human bone marrow mesenchymal stem cells following dexamethasone exposure. <i>Bone</i> , 2008 , 42, 861-70	4.7	52
128	Differential expression of signal transducers and activators of transcription during human adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 907-12	3.4	52
127	Methylcellulose based thermally reversible hydrogel system for tissue engineering applications. <i>Cells</i> , 2013 , 2, 460-75	7.9	51
126	Platelet-Derived Growth Factor BB Enhances Osteogenesis of Adipose-Derived But Not Bone Marrow-Derived Mesenchymal Stromal/Stem Cells. <i>Stem Cells</i> , 2015 , 33, 2773-84	5.8	50
125	Human Adipose Stromal/Stem Cells from Obese Donors Show Reduced Efficacy in Halting Disease Progression in the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. <i>Stem Cells</i> , 2016 , 34, 614-26	5.8	48
124	Adipocytes and the regulation of bone remodeling: a balancing act. <i>Calcified Tissue International</i> , 2014 , 94, 78-87	3.9	48

123	Relationship between abdominal fat and bone mineral density in white and African American adults. <i>Bone</i> , 2012 , 50, 576-9	4.7	48
122	Administration of murine stromal vascular fraction ameliorates chronic experimental autoimmune encephalomyelitis. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 789-96	6.9	48
121	Adipose stromal cells repair pressure ulcers in both young and elderly mice: potential role of adipogenesis in skin repair. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 632-42	6.9	47
120	Platelet-derived growth factor and spatiotemporal cues induce development of vascularized bone tissue by adipose-derived stem cells. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2076-86	3.9	46
119	Impact of hypoxia and long-term cultivation on the genomic stability and mitochondrial performance of ex vivo expanded human stem/stromal cells. <i>Stem Cell Research</i> , 2012 , 9, 225-36	1.6	45
118	Human mesenchymal stem cells from the umbilical cord matrix: successful isolation and ex vivo expansion using serum-/xeno-free culture media. <i>Biotechnology Journal</i> , 2013 , 8, 448-58	5.6	45
117	Undifferentiated human adipose-derived stromal/stem cells loaded onto wet-spun starch-polycaprolactone scaffolds enhance bone regeneration: nude mice calvarial defect in vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3102-11	5.4	44
116	Adipose tissue as a stem cell source for musculoskeletal regeneration. <i>Frontiers in Bioscience - Scholar</i> , 2011 , 3, 69-81	2.4	43
115	The effect of storage time on adipose-derived stem cell recovery from human lipoaspirates. <i>Cells Tissues Organs</i> , 2011 , 194, 494-500	2.1	43
114	Development and characterization of a PHB-HV-based 3D scaffold for a tissue engineering and cell-therapy combinatorial approach for spinal cord injury regeneration. <i>Macromolecular Bioscience</i> , 2013 , 13, 1576-92	5.5	42
113	Adipose-derived stromal/stem cells (ASC) in regenerative medicine: pharmaceutical applications. <i>Current Pharmaceutical Design</i> , 2011 , 17, 332-9	3.3	42
112	Expression of peroxisome proliferator activated receptor mRNA in normal and tumorigenic rodent mammary glands. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 253, 813-7	3.4	42
111	Photoactivated miR-148b-nanoparticle conjugates improve closure of critical size mouse calvarial defects. <i>Acta Biomaterialia</i> , 2015 , 12, 166-173	10.8	41
110	Oncostatin m is produced in adipose tissue and is regulated in conditions of obesity and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E217-25	5.6	41
109	Central nervous system melanocortin-3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle. <i>FASEB Journal</i> , 2010 , 24, 862-72	0.9	40
108	Cloning and characterization of the promoter of the murine lipoprotein lipase-encoding gene: structural and functional analysis. <i>Gene</i> , 1991 , 107, 247-58	3.8	39
107	Transplantation of autologous adipose stem cells lacks therapeutic efficacy in the experimental autoimmune encephalomyelitis model. <i>PLoS ONE</i> , 2014 , 9, e85007	3.7	38
106	Digital signal processing reveals circadian baseline oscillation in majority of mammalian genes. <i>PLoS Computational Biology</i> , 2007 , 3, e120	5	38

105	Transport phenomena during freezing of adipose tissue derived adult stem cells. <i>Biotechnology and Bioengineering</i> , 2005 , 92, 372-83	4.9	38
104	Fat circadian biology. <i>Journal of Applied Physiology</i> , 2009 , 107, 1629-37	3.7	35
103	Co-Transplantation of Adipose Tissue-Derived Stromal Cells and Olfactory Ensheathing Cells for Spinal Cord Injury Repair. <i>Stem Cells</i> , 2018 , 36, 696-708	5.8	33
102	Interleukin 6 mediates the therapeutic effects of adipose-derived stromal/stem cells in lipopolysaccharide-induced acute lung injury. <i>Stem Cells</i> , 2014 , 32, 1616-28	5.8	33
101	Vascular morphogenesis of adipose-derived stem cells is mediated by heterotypic cell-cell interactions. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1729-40	3.9	33
100	Evolution and future prospects of adipose-derived immunomodulatory cell therapeutics. <i>Expert Review of Clinical Immunology</i> , 2013 , 9, 175-84	5.1	33
99	Prospective influences of circadian clocks in adipose tissue and metabolism. <i>Nature Reviews Endocrinology</i> , 2011 , 7, 98-107	15.2	32
98	Impact of low oxygen on the secretome of human adipose-derived stromal/stem cell primary cultures. <i>Biochimie</i> , 2013 , 95, 2286-96	4.6	31
97	Obesity-associated dysregulation of calpastatin and MMP-15 in adipose-derived stromal cells results in their enhanced invasion. <i>Stem Cells</i> , 2012 , 30, 2774-83	5.8	30
96	Adipose tissue mitochondrial dysfunction in human obesity is linked to a specific DNA methylation signature in adipose-derived stem cells. <i>International Journal of Obesity</i> , 2019 , 43, 1256-1268	5.5	30
95	Differentiated human adipose-derived stem cells exhibit hepatogenic capability in vitro and in vivo. <i>Journal of Cellular Physiology</i> , 2010 , 225, 429-36	7	29
94	Effects of prolyl hydroxylase inhibitors on adipogenesis and hypoxia inducible factor 1 alpha levels under normoxic conditions. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 1545-57	4.7	29
93	Adipose Stromal Vascular Fraction-Mediated Improvements at Late-Stage Disease in a Murine Model of Multiple Sclerosis. <i>Stem Cells</i> , 2017 , 35, 532-544	5.8	28
92	Use of animal protein-free products for passaging adherent human adipose-derived stromal/stem cells. <i>Cytotherapy</i> , 2011 , 13, 594-7	4.8	27
91	Effects of Decade Long Freezing Storage on Adipose Derived Stem Cells Functionality. <i>Scientific Reports</i> , 2018 , 8, 8162	4.9	27
90	Adipose-derived stromal cells promote allograft tolerance induction. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1444-50	6.9	26
89	Comparison of infrapatellar and subcutaneous adipose tissue stromal vascular fraction and stromal/stem cells in osteoarthritic subjects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014 , 8, 757-62	4.4	26
88	Proteome of human subcutaneous adipose tissue stromal vascular fraction cells versus mature adipocytes based on DIGE. <i>Journal of Proteome Research</i> , 2011 , 10, 1519-27	5.6	26

87	Comparative proteomic analyses of human adipose extracellular matrices decellularized using alternative procedures. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2481-2493	5.4	25
86	The 4th dimension and adult stem cells: Can timing be everything?. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 569-78	4.7	25
85	Flow cytometric and immunohistochemical detection of in vivo BrdU-labeled cells in mouse fat depots. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 378, 539-44	3.4	25
84	Glycemic control is impaired in the evening in prediabetes through multiple diurnal rhythms. <i>Journal of Diabetes and Its Complications</i> , 2014 , 28, 836-43	3.2	24
83	True or false: all genes are rhythmic. <i>Annals of Medicine</i> , 2011 , 43, 1-12	1.5	24
82	DNA bending is induced by binding of the peroxisome proliferator-activated receptor gamma 2 heterodimer to its response element in the murine lipoprotein lipase promoter. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 244, 671-7	3.4	24
81	Decellularized Adipose Tissue Hydrogel Promotes Bone Regeneration in Critical-Sized Mouse Femoral Defect Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 211	5.8	23
80	Bone Marrow Adipocyte Developmental Origin and Biology. <i>Current Osteoporosis Reports</i> , 2018 , 16, 312-319	3.4	23
79	Human Platelet Lysate as a Functional Substitute for Fetal Bovine Serum in the Culture of Human Adipose Derived Stromal/Stem Cells. <i>Cells</i> , 2019 , 8,	7.9	23
78	Effects of hyperinsulinemia on lipolytic function of three-dimensional adipocyte/endothelial co-cultures. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 1157-65	2.9	23
77	Food entrainment of circadian gene expression altered in PPARalpha-/- brown fat and heart. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 360, 828-33	3.4	23
76	Antimicrobial biocompatible bioscaffolds for orthopaedic implants. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014 , 8, 386-95	4.4	22
75	Lipolytic function of adipocyte/endothelial cocultures. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1437-44	3.9	22
74	Inducing Heat Shock Proteins Enhances the Stemness of Frozen-Thawed Adipose Tissue-Derived Stem Cells. <i>Stem Cells and Development</i> , 2017 , 26, 608-616	4.4	21
73	Direct head-to-head comparison of cationic liposome-mediated gene delivery to mesenchymal stem/stromal cells of different human sources: a comprehensive study. <i>Human Gene Therapy Methods</i> , 2013 , 24, 38-48	4.9	21
72	Human Adipose Tissue-Derived Stromal/Stem Cells Promote Migration and Early Metastasis of Head and Neck Cancer Xenografts. <i>Aesthetic Surgery Journal</i> , 2016 , 36, 93-104	2.4	20
71	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. <i>Stem Cell Research and Therapy</i> , 2014 , 5, 105	8.3	20
70	Human adipose-derived cells can serve as a single-cell source for the in vitro cultivation of vascularized bone grafts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014 , 8, 629-39	4.4	20

69	A flow cytometric protocol for titering recombinant adenoviral vectors containing the green fluorescent protein. <i>Molecular Biotechnology</i> , 2000 , 14, 197-203	3	20
68	Decellularized Adipose Tissue: Biochemical Composition, in vivo Analysis and Potential Clinical Applications. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1212, 57-70	3.6	19
67	In vitro chondrogenic differentiation of human adipose-derived stem cells with silk scaffolds. <i>Journal of Tissue Engineering</i> , 2012 , 3, 2041731412466405	7.5	19
66	Serially Transplanted Nonpericytic CD146(-) Adipose Stromal/Stem Cells in Silk Bioscaffolds Regenerate Adipose Tissue In Vivo. <i>Stem Cells</i> , 2016 , 34, 1097-111	5.8	19
65	Characterization of an Acellular Scaffold for a Tissue Engineering Approach to the Nipple-Areolar Complex Reconstruction. <i>Cells Tissues Organs</i> , 2017 , 203, 183-193	2.1	18
64	Sandwiched White Adipose Tissue: A Microphysiological System of Primary Human Adipose Tissue. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 135-145	2.9	18
63	Effect of Cryopreservation on Human Adipose Tissue and Isolated Stromal Vascular Fraction Cells: In Vitro and In Vivo Analyses. <i>Plastic and Reconstructive Surgery</i> , 2018 , 141, 232e-243e	2.7	16
62	Transcriptomic Profiling of Adipose Derived Stem Cells Undergoing Osteogenesis by RNA-Seq. <i>Scientific Reports</i> , 2019 , 9, 11800	4.9	16
61	Characterization of a Murine Pressure Ulcer Model to Assess Efficacy of Adipose-derived Stromal Cells. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2015 , 3, e334	1.2	16
60	Leptin's balancing act between bone and fat. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1694-7	6.3	16
59	Circadian rhythms in adipose tissue: an update. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 554-61	3.8	16
58	IFATS collection: Stem cell antigen-1-positive ear mesenchymal stem cells display enhanced adipogenic potential. <i>Stem Cells</i> , 2008 , 26, 2666-73	5.8	16
57	Tissue engineered autologous cartilage-bone grafts for temporomandibular joint regeneration. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	16
56	Strain differences in the attenuation of bone accrual in a young growing mouse model of insulin resistance. <i>Journal of Bone and Mineral Metabolism</i> , 2016 , 34, 380-94	2.9	15
55	Analysis of the Pro- and Anti-Inflammatory Cytokines Secreted by Adult Stem Cells during Differentiation. <i>Stem Cells International</i> , 2015 , 2015, 412467	5	15
54	Histamine-induced Ca ²⁺ signalling is mediated by TRPM4 channels in human adipose-derived stem cells. <i>Biochemical Journal</i> , 2014 , 463, 123-34	3.8	15
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