

Bruce A Bunnell

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.

203
papers

12,066
citations

51
h-index

106
g-index

227
ext. papers

13,674
ext. citations

5.7
avg, IF

6.43
L-index

#	Paper	IF	Citations
203	Adipose-derived stem cells for regenerative medicine. <i>Circulation Research</i> , 2007 , 100, 1249-60	15.7	1782
202	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, 641-8	4.8	1149
201	Adipose-derived stem cells: isolation, expansion and differentiation. <i>Methods</i> , 2008 , 45, 115-20	4.6	693
200	Biologic properties of mesenchymal stem cells derived from bone marrow and adipose tissue. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 1285-97	4.7	559
199	Hypoxia enhances proliferation and tissue formation of human mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 948-53	3.4	389
198	Effects of hypoxia on human mesenchymal stem cell expansion and plasticity in 3D constructs. <i>Journal of Cellular Physiology</i> , 2006 , 207, 331-9	7	328
197	Long-term in vitro expansion alters the biology of adult mesenchymal stem cells. <i>Cancer Research</i> , 2008 , 68, 4229-38	10.1	280
196	Stromal cells and stem cells in clinical bone regeneration. <i>Nature Reviews Endocrinology</i> , 2015 , 11, 140-50	5.2	266
195	Adult stem cells from bone marrow stroma differentiate into airway epithelial cells: potential therapy for cystic fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 186-91	11.5	234
194	Effects of hydroxyapatite in 3-D chitosan-gelatin polymer network on human mesenchymal stem cell construct development. <i>Biomaterials</i> , 2006 , 27, 1859-67	15.6	207
193	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
192	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
191	Human multipotent stromal cells attenuate lipopolysaccharide-induced acute lung injury in mice via secretion of tumor necrosis factor- β -induced protein 6. <i>Stem Cell Research and Therapy</i> , 2011 , 2, 27	8.3	169
190	Intratracheal mesenchymal stem cell administration attenuates monocrotaline-induced pulmonary hypertension and endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1120-8	5.2	158
189	Neurogenesis of Rhesus adipose stromal cells. <i>Journal of Cell Science</i> , 2004 , 117, 4289-99	5.3	148
188	A nonhuman primate model of lung regeneration: detergent-mediated decellularization and initial in vitro recellularization with mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2437-52	3.9	134
187	Human adipose-derived cells: an update on the transition to clinical translation. <i>Regenerative Medicine</i> , 2012 , 7, 225-35	2.5	133

186	Stromal stem cells from adipose tissue and bone marrow of age-matched female donors display distinct immunophenotypic profiles. <i>Journal of Cellular Physiology</i> , 2011 , 226, 843-51	7	133
185	A review of cellularization strategies for tissue engineering of whole organs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 43	5.8	131
184	Human mesenchymal stem cells tissue development in 3D PET matrices. <i>Biotechnology Progress</i> , 2004 , 20, 905-12	2.8	130
183	Age-related changes in mesenchymal stem cells derived from rhesus macaque bone marrow. <i>Aging Cell</i> , 2011 , 10, 66-79	9.9	122
182	Engineering HIV-resistant human CD4+ T cells with CXCR4-specific zinc-finger nucleases. <i>PLoS Pathogens</i> , 2011 , 7, e1002020	7.6	118
181	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
180	New concepts on the immune modulation mediated by mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2010 , 1, 34	8.3	100
179	Can stem cells be used to generate new lungs? Ex vivo lung bioengineering with decellularized whole lung scaffolds. <i>Respirology</i> , 2013 , 18, 895-911	3.6	92
178	In vitro Differentiation Potential of Mesenchymal Stem Cells. <i>Transfusion Medicine and Hemotherapy</i> , 2008 , 35, 228-238	4.2	85
177	Characterization of multipotent mesenchymal stem cells from the bone marrow of rhesus macaques. <i>Stem Cells and Development</i> , 2005 , 14, 440-51	4.4	84
176	Differentiation of adipose stem cells. <i>Methods in Molecular Biology</i> , 2008 , 456, 155-71	1.4	83
175	Current status of gene therapy strategies to treat HIV/AIDS. <i>Molecular Therapy</i> , 2005 , 11, 823-42	11.7	81
174	Gene therapy for infectious diseases. <i>Clinical Microbiology Reviews</i> , 1998 , 11, 42-56	34	81
173	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
172	Biological effects of melatonin on osteoblast/osteoclast cocultures, bone, and quality of life: Implications of a role for MT2 melatonin receptors, MEK1/2, and MEK5 in melatonin-mediated osteoblastogenesis. <i>Journal of Pineal Research</i> , 2018 , 64, e12465	10.4	78
171	2070 High-intensity focused ultrasound (HIFU) can be used synergistically with tamoxifen to overcome resistance in preclinical and patient derived xenograft models. <i>Journal of Clinical and Translational Science</i> , 2018 , 2, 14-14	0.4	78
170	2057 L1 expression analysis in adipose-derived stem cells. <i>Journal of Clinical and Translational Science</i> , 2018 , 2, 16-16	0.4	78
169	Bisphenol A enhances adipogenic differentiation of human adipose stromal/stem cells. <i>Journal of Molecular Endocrinology</i> , 2014 , 53, 345-53	4.5	75

168	Adipose-derived stromal/stem cells: a primer. <i>Organogenesis</i> , 2013 , 9, 3-10	1.7	75
167	Obesity associated alterations in the biology of adipose stem cells mediate enhanced tumorigenesis by estrogen dependent pathways. <i>Breast Cancer Research</i> , 2013 , 15, R102	8.3	75
166	Rhesus monkey model for fetal gene transfer: studies with retroviral- based vector systems. <i>Molecular Therapy</i> , 2001 , 3, 128-38	11.7	63
165	MicroRNA profiling reveals age-dependent differential expression of nuclear factor B and mitogen-activated protein kinase in adipose and bone marrow-derived human mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2011 , 2, 49	8.3	60
164	Expression of telomerase extends the lifespan and enhances osteogenic differentiation of adipose tissue-derived stromal cells. <i>Stem Cells</i> , 2004 , 22, 1356-72	5.8	60
163	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
162	Adipose-derived stem cells on hyaluronic acid-derived scaffold: a new horizon in bioengineered cornea. <i>JAMA Ophthalmology</i> , 2012 , 130, 202-8		58
161	Preferential survival of CD4+ T lymphocytes engineered with anti-human immunodeficiency virus (HIV) genes in HIV-infected individuals. <i>Human Gene Therapy</i> , 2005 , 16, 1065-74	4.8	58
160	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
159	Lentiviral vector gene transfer into fetal rhesus monkeys (<i>Macaca mulatta</i>): lung-targeting approaches. <i>Molecular Therapy</i> , 2001 , 4, 614-21	11.7	57
158	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
157	Aberrant subcellular targeting of the G185R neutrophil elastase mutant associated with severe congenital neutropenia induces premature apoptosis of differentiating promyelocytes. <i>Blood</i> , 2005 , 105, 3397-404	2.2	55
156	Rationale for the clinical use of adipose-derived mesenchymal stem cells for COVID-19 patients. <i>Journal of Translational Medicine</i> , 2020 , 18, 203	8.5	53
155	Circadian mechanisms in murine and human bone marrow mesenchymal stem cells following dexamethasone exposure. <i>Bone</i> , 2008 , 42, 861-70	4.7	52
154	Comparison of human adult stem cells from adipose tissue and bone marrow in the treatment of experimental autoimmune encephalomyelitis. <i>Stem Cell Research and Therapy</i> , 2014 , 5, 2	8.3	51
153	Effects of the endocrine-disrupting chemical DDT on self-renewal and differentiation of human mesenchymal stem cells. <i>Environmental Health Perspectives</i> , 2015 , 123, 42-8	8.4	48
152	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
151	Administration of murine stromal vascular fraction ameliorates chronic experimental autoimmune encephalomyelitis. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 789-96	6.9	48

150	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
149	Transient expression of a p58 protein kinase cDNA enhances mammalian glycosyltransferase activity. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 171, 196-203	3.4	47
148	Targeted delivery of antisense oligonucleotides by molecular conjugates. <i>Somatic Cell and Molecular Genetics</i> , 1992 , 18, 559-69		45
147	Reduction in SIV replication in rhesus macaques infused with autologous lymphocytes engineered with antiviral genes. <i>Nature Medicine</i> , 1998 , 4, 181-6	50.5	44
146	Development of Responsive Chitosan-Genipin Hydrogels for the Treatment of Wounds.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2879-2888	4.1	43
145	Comparison of the therapeutic effects of human and mouse adipose-derived stem cells in a murine model of lipopolysaccharide-induced acute lung injury. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 13	8.3	43
144	Pervasive supply of therapeutic lysosomal enzymes in the CNS of normal and Krabbe-affected non-human primates by intracerebral lentiviral gene therapy. <i>EMBO Molecular Medicine</i> , 2016 , 8, 489-510 ¹²		40
143	Osteochondral Tissue Chip Derived From iPSCs: Modeling OA Pathologies and Testing Drugs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 411	5.8	40
142	Innate immune activation in the pathogenesis of a murine model of globoid cell leukodystrophy. <i>American Journal of Pathology</i> , 2014 , 184, 382-96	5.8	38
141	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
140	Efficient In Vivo Marking of Primary CD4+ T Lymphocytes in Nonhuman Primates Using a Gibbon Ape Leukemia Virus-Derived Retroviral Vector. <i>Blood</i> , 1997 , 89, 1987-1995	2.2	36
139	Cell-surface expression of neuron-glial antigen 2 (NG2) and melanoma cell adhesion molecule (CD146) in heterogeneous cultures of marrow-derived mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2253-66	3.9	35
138	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
137	Clinical and immunopathologic alterations in rhesus macaques affected with globoid cell leukodystrophy. <i>American Journal of Pathology</i> , 2008 , 172, 98-111	5.8	33
136	Prospective influences of circadian clocks in adipose tissue and metabolism. <i>Nature Reviews Endocrinology</i> , 2011 , 7, 98-107	15.2	32
135	Evaluation of the host immune response to decellularized lung scaffolds derived from EGal knockout pigs in a non-human primate model. <i>Biomaterials</i> , 2018 , 187, 93-104	15.6	32
134	Immunomodulatory Effects of Adipose Stromal Vascular Fraction Cells Promote Alternative Activation Macrophages to Repair Tissue Damage. <i>Stem Cells</i> , 2017 , 35, 2198-2207	5.8	31
133	The Effects of Endocrine Disruptors on Adipogenesis and Osteogenesis in Mesenchymal Stem Cells: A Review. <i>Frontiers in Endocrinology</i> , 2016 , 7, 171	5.7	31

132	Maresin-like lipid mediators are produced by leukocytes and platelets and rescue reparative function of diabetes-impaired macrophages. <i>Chemistry and Biology</i> , 2014 , 21, 1318-1329		30
131	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
130	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
129	Biological Differences in rAAV Transduction of Airway Epithelia in Humans and in Old World Non-human Primates. <i>Molecular Therapy</i> , 2007 , 15, 2114-23	11.7	28
128	Laser direct-write based fabrication of a spatially-defined, biomimetic construct as a potential model for breast cancer cell invasion into adipose tissue. <i>Biofabrication</i> , 2017 , 9, 025013	10.5	27
127	Beyond the Present Constraints That Prevent a Wide Spread of Tissue Engineering and Regenerative Medicine Approaches. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 95	5.8	27
126	Nonhuman primate lung decellularization and recellularization using a specialized large-organ bioreactor. <i>Journal of Visualized Experiments</i> , 2013 , e50825	1.6	27
125	Comparative characterization of mesenchymal stem cells from eGFP transgenic and non-transgenic mice. <i>BMC Cell Biology</i> , 2009 , 10, 3		27
124	Methods and protocols. Preface. <i>Methods in Molecular Biology</i> , 2008 , 449, v-vii	1.4	27
123	Accelerate Healing of Severe Burn Wounds by Mouse Bone Marrow Mesenchymal Stem Cell-Seeded Biodegradable Hydrogel Scaffold Synthesized from Arginine-Based Poly(ester amide) and Chitosan. <i>Stem Cells and Development</i> , 2018 , 27, 1605-1620	4.4	27
122	Decoy TRAIL receptor CD264: a cell surface marker of cellular aging for human bone marrow-derived mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 201	8.3	26
121	Neural differentiation of human adipose tissue-derived stem cells. <i>Methods in Molecular Biology</i> , 2011 , 702, 219-31	1.4	26
120	Leptin produced by obesity-altered adipose stem cells promotes metastasis but not tumorigenesis of triple-negative breast cancer in orthotopic xenograft and patient-derived xenograft models. <i>Breast Cancer Research</i> , 2019 , 21, 67	8.3	25
119	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
118	Therapeutic Potential of Adipose Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1341, 15-25	3.6	25
117	Density-Dependent Metabolic Heterogeneity in Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2015 , 33, 3368-81	5.8	25
116	The 4th dimension and adult stem cells: Can timing be everything?. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 569-78	4.7	25
115	Endocrine disruptors and the tumor microenvironment: A new paradigm in breast cancer biology. <i>Molecular and Cellular Endocrinology</i> , 2017 , 457, 13-19	4.4	24

114	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
113	Obesity Enhances the Conversion of Adipose-Derived Stromal/Stem Cells into Carcinoma-Associated Fibroblast Leading to Cancer Cell Proliferation and Progression to an Invasive Phenotype. <i>Stem Cells International</i> , 2017 , 2017, 9216502	5	23
112	Bone Marrow Adipocyte Developmental Origin and Biology. <i>Current Osteoporosis Reports</i> , 2018 , 16, 312-319	3.4	23
111	Re-endothelialization of rat lung scaffolds through passive, gravity-driven seeding of segment-specific pulmonary endothelial cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e786-e806	4.4	22
110	Application of adipose-derived stem cells on scleral contact lens carrier in an animal model of severe acute alkaline burn. <i>Eye and Contact Lens</i> , 2014 , 40, 243-7	3.2	22
109	Isolation of adult rhesus neural stem and progenitor cells and differentiation into immature oligodendrocytes. <i>Stem Cells and Development</i> , 2006 , 15, 191-9	4.4	22
108	Characterization of human adipose-derived stem cells using flow cytometry. <i>Methods in Molecular Biology</i> , 2011 , 702, 121-31	1.4	22
107	CRISPR based editing of SIV proviral DNA in ART treated non-human primates. <i>Nature Communications</i> , 2020 , 11, 6065	17.4	22
106	Multipotent stromal cells alleviate inflammation, neuropathology, and symptoms associated with globoid cell leukodystrophy in the twitcher mouse. <i>Stem Cells</i> , 2013 , 31, 1523-34	5.8	21
105	Hypertensive rat lungs retain hallmarks of vascular disease upon decellularization but support the growth of mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , 2014 , 20, 1426-43	3.9	21
104	Design, synthesis, and osteogenic activity of daidzein analogs on human mesenchymal stem cells. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 143-8	4.3	20
103	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
102	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
101	Adipose Tissue-Derived Stem Cells: Immunomodulatory Effects and Therapeutic Potential. <i>Physiology</i> , 2020 , 35, 125-133	9.8	19
100	Cell growth characteristics, differentiation frequency, and immunophenotype of adult ear mesenchymal stem cells. <i>Stem Cells and Development</i> , 2010 , 19, 83-92	4.4	19
99	Explosive mutation accumulation triggered by heterozygous human Pol δ proofreading-deficiency is driven by suppression of mismatch repair. <i>ELife</i> , 2018 , 7,	8.9	19
98	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
97	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

96	Common transcriptional gene profile in neurospheres-derived from pATSCs, pBMSCs, and pNSCs. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 343, 762-71	3.4	18
95	Transgene expression after stable transfer of a mammalian artificial chromosome into human hematopoietic cells. <i>Experimental Hematology</i> , 2005 , 33, 1470-6	3.1	17
94	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
93	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
92	Circadian rhythms in adipose tissue: an update. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 554-61	3.8	16
91	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
90	Mesenchymal stem cells as a novel vaccine platform. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012 , 2, 140	5.9	15
89	Mesenchymal stem cell-based therapy in a mouse model of experimental autoimmune encephalomyelitis (EAE). <i>Methods in Molecular Biology</i> , 2014 , 1213, 303-19	1.4	15
88	Increase in Leptin and PPAR- α Gene Expression in Lipedema Adipocytes Differentiated in vitro from Adipose-Derived Stem Cells. <i>Cells</i> , 2020 , 9,	7.9	14
87	Obesity inhibits the osteogenic differentiation of human adipose-derived stem cells. <i>Journal of Translational Medicine</i> , 2016 , 14, 27	8.5	14
86	Human cytomegalovirus infection of human adipose-derived stromal/stem cells restricts differentiation along the adipogenic lineage. <i>Adipocyte</i> , 2016 , 5, 53-64	3.2	14
85	Effect of intrastriatal mesenchymal stromal cell injection on progression of a murine model of Krabbe disease. <i>Behavioural Brain Research</i> , 2011 , 225, 415-25	3.4	14
84	Potential application for mesenchymal stem cells in the treatment of cardiovascular diseases. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005 , 83, 529-39	2.4	14
83	Targeted transduction of CD34+ cells by transdominant negative Rev-expressing retrovirus yields partial anti-HIV protection of progeny macrophages. <i>Human Gene Therapy</i> , 1998 , 9, 1197-207	4.8	14
82	Obesity-Altered Adipose Stem Cells Promote ER+ Breast Cancer Metastasis through Estrogen Independent Pathways. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
81	Large animal models of neurological disorders for gene therapy. <i>ILAR Journal</i> , 2009 , 50, 128-43	1.7	13
80	Differentiation of nonhuman primate embryonic stem cells along neural lineages. <i>Differentiation</i> , 2009 , 77, 229-38	3.5	13
79	A dominant negative mutation in two proteins created by ectopic expression of an AU-rich 3R untranslated region. <i>Somatic Cell and Molecular Genetics</i> , 1990 , 16, 151-62		13

78	Osteoinductive effects of glyceollins on adult mesenchymal stromal/stem cells from adipose tissue and bone marrow. <i>Phytomedicine</i> , 2017 , 27, 39-51	6.5	12
77	A novel patient-derived xenograft model for claudin-low triple-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2018 , 169, 381-390	4.4	12
76	Gender and age-related cell compositional differences in C57BL/6 murine adipose tissue stromal vascular fraction. <i>Adipocyte</i> , 2018 , 7, 183-189	3.2	12
75	Biological aging alters circadian mechanisms in murine adipose tissue depots. <i>Age</i> , 2013 , 35, 533-47		12
74	Drug resistance profiling of a new triple negative breast cancer patient-derived xenograft model. <i>BMC Cancer</i> , 2019 , 19, 205	4.8	11
73	Adipose stromal vascular fraction attenuates T1 cell-mediated pathology in a model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2018 , 15, 77	10.1	11
72	High-throughput screening of stem cell therapy for globoid cell leukodystrophy using automated neurophenotyping of twitcher mice. <i>Behavioural Brain Research</i> , 2013 , 236, 35-47	3.4	11
71	Phases I-III Clinical Trials Using Adult Stem Cells. <i>Stem Cells International</i> , 2011 , 2010, 604713	5	11
70	Adipose Tissue-Derived Stem Cells Retain Their Adipocyte Differentiation Potential in Three-Dimensional Hydrogels and Bioreactors. <i>Biomolecules</i> , 2020 , 10,	5.9	11
69	Macrophage Effects on Mesenchymal Stem Cell Osteogenesis in a Three-Dimensional Bone Model. <i>Tissue Engineering - Part A</i> , 2020 , 26, 1099-1111	3.9	11
68	Arginine vasopressin inhibits adipogenesis in human adipose-derived stem cells. <i>Molecular and Cellular Endocrinology</i> , 2015 , 406, 1-9	4.4	10
67	Serial electrophysiologic studies in rhesus monkeys with Krabbe disease. <i>Muscle and Nerve</i> , 2005 , 32, 185-90	3.4	10
66	Isolation and culture of rhesus adipose-derived stem cells. <i>Methods in Molecular Biology</i> , 2011 , 702, 3-16	1.4	10
65	Culture Expansion Shifts the Immune Phenotype of Human Adipose-Derived Mesenchymal Stem Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 621744	8.4	10
64	Human Adipose-Derived Hydrogel Characterization Based on ASC Biocompatibility and Differentiation. <i>Stem Cells International</i> , 2019 , 2019, 9276398	5	10
63	Current Models for Development of Disease-Modifying Osteoarthritis Drugs. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 124-138	2.9	10
62	Adipose Stem Cells and Cancer: Concise Review. <i>Stem Cells</i> , 2019 , 37, 1261-1266	5.8	9
61	Competitive DNA transfection formulation via electroporation for human adipose stem cells and mesenchymal stem cells. <i>Biological Procedures Online</i> , 2012 , 14, 7	8.3	9

60	Selective extraction and effective separation of galactosylsphingosine (psychosine) and glucosylsphingosine from other glycosphingolipids in pathological tissue samples. <i>Neurochemical Research</i> , 2011 , 36, 1612-22	4.6	9
59	Differentiation of Human Adipose-derived Stem Cells along the Keratocyte Lineage. <i>Journal of Clinical & Experimental Ophthalmology</i> , 2013 , 4,	0	9
58	American Society for Bone and Mineral Research-Orthopaedic Research Society Joint Task Force Report on Cell-Based Therapies. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 3-17	6.3	9
57	Molecular beacon genotyping for globoid cell leukodystrophy from hair roots in the twitcher mouse and rhesus macaque. <i>Journal of Neuroscience Methods</i> , 2007 , 163, 60-6	3	8
56	Panobinostat suppresses the mesenchymal phenotype in a novel claudin-low triple negative patient-derived breast cancer model. <i>Oncoscience</i> , 2018 , 5, 99-108	0.8	8
55	Survival of aging CD264 and CD264 populations of human bone marrow mesenchymal stem cells is independent of colony-forming efficiency. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 223-237	4.9	8
54	Bisphenol A alters the self-renewal and differentiation capacity of human bone-marrow-derived mesenchymal stem cells. <i>Endocrine Disruptors (Austin, Tex)</i> , 2016 , 4, e1200344		8
53	Adipose Derived Cells and Tissues for Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1477-1482	5.5	6
52	A novel tissue culture model for evaluating the effect of aging on stem cell fate in adult microvascular networks. <i>GeroScience</i> , 2020 , 42, 515-526	8.9	6
51	Safety of Human Adipose Stromal Vascular Fraction Cells Isolated with a Closed System Device in an Immunocompetent Murine Pressure Ulcer Model. <i>Stem Cells and Development</i> , 2020 , 29, 452-461	4.4	6
50	Therapeutic Applications for Adipose-Derived Stem Cells in Wound Healing and Tissue Engineering. <i>Current Stem Cell Reports</i> , 2018 , 4, 127-137	1.8	6
49	Doublecortin may play a role in defining chondrocyte phenotype. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 6941-60	6.3	6
48	Gene delivery to mesenchymal stem cells. <i>Methods in Molecular Biology</i> , 2008 , 449, 153-67	1.4	6
47	Characterization and Proteomic Analysis of Decellularized Adipose Tissue Hydrogels Derived from Lean and Overweight/Obese Human Donors. <i>Advanced Biology</i> , 2020 , 4, e2000124	3.5	6
46	Initial gene vector dosing for studying symptomatology of amyotrophic lateral sclerosis in non-human primates. <i>Journal of Medical Primatology</i> , 2015 , 44, 66-75	0.7	5
45	Safety and Efficacy of Human Adipose-Derived Stromal/Stem Cell Therapy in an Immunocompetent Murine Pressure Ulcer Model. <i>Stem Cells and Development</i> , 2020 , 29, 440-451	4.4	5
44	Obesity-Altered Adipose Stem Cells Promote Radiation Resistance of Estrogen Receptor Positive Breast Cancer through Paracrine Signaling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
43	Development of mammalian artificial chromosomes for the treatment of genetic diseases: Sandhoff and Krabbe diseases. <i>Expert Opinion on Biological Therapy</i> , 2005 , 5, 195-206	5.4	5

42	Arguments for a Different Regulatory Categorization and Framework for Stromal Vascular Fraction. <i>Stem Cells and Development</i> , 2020 , 29, 257-262	4.4	5
41	3D Spheroids Derived from Human Lipedema ASCs Demonstrated Similar Adipogenic Differentiation Potential and ECM Remodeling to Non-Lipedema ASCs In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
40	Characterization of adipose-derived stromal/stem cells from the Twitcher mouse model of Krabbe disease. <i>BMC Cell Biology</i> , 2013 , 14, 20		4
39	Prospecting for adipose progenitor cell biomarkers: biopanning for gold with in vivo phage display. <i>Cell Stem Cell</i> , 2011 , 9, 1-2	1.8	4
38	Analysis of gene transfer efficiency of retrovirus producer cell transplantation for in situ gene transfer to hematopoietic cells. <i>Experimental Hematology</i> , 2001 , 29, 163-73	3.1	4
37	Adipose-Derived Stem Cells from Obese Donors Polarize Macrophages and Microglia toward a Pro-Inflammatory Phenotype. <i>Cells</i> , 2020 , 10,	7.9	4
36	Evaluation of deacetylase inhibition in metaplastic breast carcinoma using multiple derivations of preclinical models of a new patient-derived tumor. <i>PLoS ONE</i> , 2020 , 15, e0226464	3.7	4
35	A Novel, Sterilized Microvascular Tissue Product Improves Healing in a Murine Pressure Ulcer Model. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018 , 6, e2010	1.2	4
34	American Society for Bone and Mineral Research-Orthopaedic Research Society Joint Task Force Report on Cell-Based Therapies - Secondary Publication. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 485-502	3.8	4
33	Acellular Biologic Nipple-Areolar Complex Graft: Murine and Nonhuman Primate Host Response Evaluation. <i>Tissue Engineering - Part A</i> , 2020 , 26, 872-885	3.9	3
32	Evaluation of Extracellular Matrix Composition to Improve Breast Cancer Modeling. <i>Tissue Engineering - Part A</i> , 2021 , 27, 500-511	3.9	3
31	Discussion: CRISPR/Cas9-Mediated BRCA1 Knockdown Adipose Stem Cells Promote Breast Cancer Progression. <i>Plastic and Reconstructive Surgery</i> , 2019 , 143, 757-758	2.7	3
30	Lipedema: A Painful Adipose Tissue Disorder 2019 ,		3
29	Aging phenotype(s) in kidneys of diabetic mice are p66ShcA dependent. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1833-F1842	4.3	3
28	Isolation and Flow Cytometric Analysis of the Stromal Vascular Fraction Isolated from Mouse Adipose Tissue. <i>Methods in Molecular Biology</i> , 2018 , 1773, 1-9	1.4	2
27	Obesity Modulates the Gut Microbiome in Triple-Negative Breast Cancer. <i>Nutrients</i> , 2021 , 13,	6.7	2
26	Isolation and Growth of Stem Cells 2011 , 93-111		2
25	The Effects of Macrophage Phenotype on Osteogenic Differentiation of MSCs in the Presence of Polyethylene Particles. <i>Biomedicines</i> , 2021 , 9,	4.8	2

24	MED31 involved in regulating self-renewal and adipogenesis of human mesenchymal stem cells. <i>Molecular Biology Reports</i> , 2018 , 45, 1545-1550	2.8	1
23	Glycinol enhances osteogenic differentiation and attenuates the effects of age on mesenchymal stem cells. <i>Regenerative Medicine</i> , 2017 , 12, 513-524	2.5	1
22	Stem Cell-Based Therapy for Lysosomal Storage Diseases 2012 , 61-90		1
21	Adipose Stem Cells in Regenerative Medicine: Looking Forward.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 837464	5.8	1
20	Isolation and Primary Culture of Adult Human Adipose-derived Stromal/Stem Cells. <i>Bio-protocol</i> , 2017 , 7, e2161	0.9	1
19	Tracking Human Adipose-Derived Stem Cells (hASCs) in an Ex Vivo Microvascular Network Model. <i>FASEB Journal</i> , 2015 , 29, 790.2	0.9	1
18	NODDI highlights recovery mechanisms in white and gray matter in ischemic stroke following human stem cell treatment. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 3211-3223	4.4	1
17	Comparative Analysis of Human Adipose-Derived Stromal/Stem Cells and Dermal Fibroblasts. <i>Stem Cells and Development</i> , 2021 , 30, 1171-1178	4.4	1
16	Establishing the adipose stem cell identity: Characterization assays and functional properties 2022 , 23-56		1
15	Human Mesenchymal Stem Cell-Derived Miniature Joint System for Disease Modeling and Drug Testing.. <i>Advanced Science</i> , 2022 , e2105909	13.6	1
14	A Role for Adipocytes and Adipose Stem Cells in the Breast Tumor Microenvironment and Regenerative Medicine.. <i>Frontiers in Physiology</i> , 2021 , 12, 751239	4.6	0
13	Patient-Derived Xenografts as an Innovative Surrogate Tumor Model for the Investigation of Health Disparities in Triple Negative Breast Cancer. <i>Women S Health Reports</i> , 2020 , 1, 383-392	0.5	0
12	Viability of acellular biologic graft for nipple-areolar complex reconstruction in a non-human primate model. <i>Scientific Reports</i> , 2021 , 11, 15085	4.9	0
11	Illuminating the Regenerative Properties of Stem Cells In Vivo with Bioluminescence Imaging. <i>Biotechnology Journal</i> , 2021 , 16, e2000248	5.6	0
10	The Effects of Endocrine Disruptors on Mesenchymal Stem Cells 2016 , 196-237		
9	MSC Studies in Large-Animal Models 2013 , 237-258		
8	Contribution of Adipose-Derived Cells to Skin Wound Healing 2017 , 89-101		
7	Biology of Adipose Tissue Stem Cells 2010 , 69-80		

- 6 Sleeping Beauty awakens!. *Blood*, **2006**, 107, 416-417 2.2
- 5 Excision of latent HIV-1: CRISPR technology overcomes viral strain diversity. *EBioMedicine*, **2021**, 74, 103820
- 4 Preferential Survival of CD4+ T Lymphocytes Engineered with Anti-Human Immunodeficiency Virus (HIV) Genes in HIV-Infected Individuals. *Human Gene Therapy*, **2005**, 050810083459001 4.8
- 3 Fat Stem Cells **2008**, 143-174
- 2 Marrow Stromal Mesenchymal Stem Cells **2010**, 121-138
- 1 A novel screening approach comparing kinase activity of small molecule inhibitors with similar molecular structures and distinct biologic effects in triple-negative breast cancer to identify targetable signaling pathways. *Anti-Cancer Drugs*, **2020**, 31, 759-775 2.4