Arnold Caplan

List of Publications by Year in Descending Order

369 papers	48,386 citations	97 h-index	217 g-index
384 ext. papers	52,282 ext. citations	5.2 avg, IF	8.13 L-index

#	Paper	IF	Citations
369	Stem Cells 101: Letter to the Editor. *American Journal of Sports Medicine*, **2021**, 49, NP69-NP70	6.8	
368	Donor-defined mesenchymal stem cell antimicrobial potency against nontuberculous mycobacterium. *Stem Cells Translational Medicine*, **2021**, 10, 1202-1216	6.9	4
367	Enhancing Cystic Fibrosis Immune Regulation. *Frontiers in Pharmacology*, **2021**, 12, 573065	5.6	3
366	MicroRNA Regulation of Bone Marrow Mesenchymal Stem Cell Chondrogenesis: Toward Articular Cartilage. *Tissue Engineering - Part A*, **2021**,	3.9	3
365	Intrarenal injection of mesenchymal stem cell for treatment of lupus nephritis in mice - a pilot study. *Lupus*, **2021**, 30, 52-60	2.6	1
364	Mesenchymal Stem Cells Current Clinical Applications: A Systematic Review. *Archives of Medical Research*, **2021**, 52, 93-101	6.6	57
363	Kindlin-3 mutation in mesenchymal stem cells results in enhanced chondrogenesis. *Experimental Cell Research*, **2021**, 399, 112456	4.2	3
362	Placebo Controls: Now???. *Archivum Immunologiae Et Therapiae Experimentalis*, **2021**, 69, 9	4	
361	Engineered nasal cartilage for the repair of osteoarthritic knee cartilage defects. *Science Translational Medicine*, **2021**, 13, eaaz4499	17.5	3
360	The Releasate of Avascular Cartilage Demonstrates Inherent Pro-Angiogenic Properties and. *Cartilage*, **2021**, 19476035211047628	3	0
359	Glucose Availability Affects Extracellular Matrix Synthesis During Chondrogenesis. *Tissue Engineering - Part A*, **2021**, 27, 1321-1332	3.9	1
358	Umbilical cord mesenchymal stem cells for COVID-19 acute respiratory distress syndrome: A double-blind, phase 1/2a, randomized controlled trial. *Stem Cells Translational Medicine*, **2021**, 10, 660-673	6.9	102
357	The Habitat Assay, a Platform to Study Properties of Human Mesenchymal Stem Cells. *Tissue Engineering - Part A*, **2020**, 26, 1378-1387	3.9	
356	Innentitelbild: An Integrated Multi-Function Heterogeneous Biochemical Circuit for High-Resolution Electrochemistry-Based Genetic Analysis (Angew. Chem. 46/2020). *Angewandte Chemie*, **2020**, 132, 20426-20426	3.6	
355	Cell-based therapy to reduce mortality from COVID-19: Systematic review and meta-analysis of human studies on acute respiratory distress syndrome. *Stem Cells Translational Medicine*, **2020**, 9, 1007-1022	6.9	47
354	Enhanced Chondrogenic Capacity of Mesenchymal Stem Cells After TNF‐Pre-treatment. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 658	5.8	2
353	Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra. *Tissue Engineering - Part A*, **2020**, 26, 792-810	3.9	1

352	Angiogenic Potential of Tissue Engineered Cartilage From Human Mesenchymal Stem Cells Is Modulated by Indian Hedgehog and Serpin E1. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 327	5.8	3
351	An Integrated Multi-Function Heterogeneous Biochemical Circuit for High-Resolution Electrochemistry-Based Genetic Analysis. *Angewandte Chemie*, **2020**, 132, 20726-20732	3.6	1
350	An Integrated Multi-Function Heterogeneous Biochemical Circuit for High-Resolution Electrochemistry-Based Genetic Analysis. *Angewandte Chemie - International Edition*, **2020**, 59, 20545-20551	16.4	13
349	Transcriptome dynamics of long noncoding RNAs and transcription factors demarcate human neonatal, adult, and human mesenchymal stem cell-derived engineered cartilage. *Journal of Tissue Engineering and Regenerative Medicine*, **2020**, 14, 29-44	4.4	3
348	Tissue Engineering: Then, Now, and the Future. *Tissue Engineering - Part A*, **2019**, 25, 515-517	3.9	4
347	There Is No "Stem Cell Mess". *Tissue Engineering - Part B: Reviews*, **2019**, 25, 291-293	7.9	17
346	Mesenchymal Stem Cells in Regenerative Medicine **2019**, 219-227		11
345	Exploring the Trans-Cleavage Activity of CRISPR-Cas12a (cpf1) for the Development of a Universal Electrochemical Biosensor. *Angewandte Chemie*, **2019**, 131, 17560-17566	3.6	16
344	Exploring the Trans-Cleavage Activity of CRISPR-Cas12a (cpf1) for the Development of a Universal Electrochemical Biosensor. *Angewandte Chemie - International Edition*, **2019**, 58, 17399-17405	16.4	176
343	Innentitelbild: Exploring the Trans-Cleavage Activity of CRISPR-Cas12a (cpf1) for the Development of a Universal Electrochemical Biosensor (Angew. Chem. 48/2019). *Angewandte Chemie*, **2019**, 131, 17242-17242	3.6	
342	International Expert Consensus on a Cell Therapy Communication Tool: DOSES. *Journal of Bone and Joint Surgery - Series A*, **2019**, 101, 904-911	5.6	42
341	Mesenchymal stem cell perspective: cell biology to clinical progress. *Npj Regenerative Medicine*, **2019**, 4, 22	15.8	532
340	Analysis of -5p and -3p Strands of miR-145 and miR-140 During Mesenchymal Stem Cell Chondrogenic Differentiation. *Tissue Engineering - Part A*, **2019**, 25, 80-90	3.9	12
339	ROCK Inhibition Promotes the Development of Chondrogenic Tissue by Improved Mass Transport. *Tissue Engineering - Part A*, **2018**, 24, 1218-1227	3.9	5
338	Transcriptome-Wide Analyses of Human Neonatal Articular Cartilage and Human Mesenchymal Stem Cell-Derived Cartilage Provide a New Molecular Target for Evaluating Engineered Cartilage. *Tissue Engineering - Part A*, **2018**, 24, 335-350	3.9	19
337	Nondestructive/Noninvasive Imaging Evaluation of Cellular Differentiation Progression During In Vitro Mesenchymal Stem Cell-Derived Chondrogenesis. *Tissue Engineering - Part A*, **2018**, 24, 662-671	3.9	13
336	Rapid Detection of Shear-Induced Damage in Tissue-Engineered Cartilage Using Ultrasound. *Tissue Engineering - Part C: Methods*, **2018**, 24, 443-456	2.9	4
335	Dynamics of Intrinsic Glucose Uptake Kinetics in Human Mesenchymal Stem Cells During Chondrogenesis. *Annals of Biomedical Engineering*, **2018**, 46, 1896-1910	4.7	2

334	Injectable liquid polymers extend the delivery of corticosteroids for the treatment of osteoarthritis. *Journal of Controlled Release*, **2018**, 284, 112-121	11.7	20
333	Human mesenchymal stem cells induced to differentiate as chondrocytes follow a biphasic pattern of extracellular matrix production. *Journal of Orthopaedic Research*, **2018**, 36, 1757-1766	3.8	8
332	Anti-Inflammatory Therapeutic Development and Optimization of Umbilical Cord Tissue Derived Mesenchymal Stem Cells. *Journal of Stem Cell Research & Therapy*, **2018**, 08,	1	1
331	Cell-Based Therapies: The Nonresponder. *Stem Cells Translational Medicine*, **2018**, 7, 762-766	6.9	18
330	Author Accountability in Biomedical Research. *Stem Cells and Development*, **2018**, 27, 1671-1673	4.4	2
329	Human and Rat Bone Marrow-Derived Mesenchymal Stem Cells Differ in Their Response to Fibroblast Growth Factor and Platelet-Derived Growth Factor. *Tissue Engineering - Part A*, **2018**, 24, 1831-1843	3.9	4
328	Mesenchymal Stem Cells: Time to Change the Name!. *Stem Cells Translational Medicine*, **2017**, 6, 1445-1451	6.9	517
327	New MSC: MSCs as pericytes are Sentinels and gatekeepers. *Journal of Orthopaedic Research*, **2017**, 35, 1151-1159	3.8	88
326	Chronic asthma and Mesenchymal stem cells: Hyaluronan and airway remodeling. *Journal of Inflammation*, **2017**, 14, 18	6.7	10
325	Mesenchymal Stem Cell Soluble Mediators and Cystic Fibrosis. *Journal of Stem Cell Research & Therapy*, **2017**, 7,	1	21
324	Ultrasound-guided Intracardiac Injection of Human Mesenchymal Stem Cells to Increase Homing to the Intestine for Use in Murine Models of Experimental Inflammatory Bowel Diseases. *Journal of Visualized Experiments*, **2017**,	1.6	3
323	The 3Rs of Cell Therapy. *Stem Cells Translational Medicine*, **2017**, 6, 17-21	6.9	16
322	Proteoglycans in Leiomyoma and Normal Myometrium: Abundance, Steroid Hormone Control, and Implications for Pathophysiology. *Reproductive Sciences*, **2016**, 23, 302-9	3	9
321	Mesenchymal stem cell therapy in a rat model of birth-trauma injury: functional improvements and biodistribution. *International Urogynecology Journal*, **2016**, 27, 291-300	2	18
320	Stem cell characterisation: a guide to stem cell types, technologies, and future applications **2016**, 317-340		
319	Growth Factor Dose Tuning for Bone Progenitor Cell Proliferation and Differentiation on Resorbable Poly(propylene fumarate) Scaffolds. *Tissue Engineering - Part C: Methods*, **2016**, 22, 904-13	2.9	13
318	Therapeutic Stem Cells Answer a Strategic Breakthrough Need of Healthcare **2016**, 1-26		
317	Stem Cells in Veterinary Medicine: A Conceptual Approach **2016**, 257-274		

316	Stem Cell Veterinary Medicines: A Practical Approach **2016**, 275-288		
315	Indication Transformation Maps and The Challenge of Live Cell Delivery **2016**, 375-386		2
314	Immunological barriers to regenerative medicine: do they matter? **2016**, 497-510		
313	The History of Stem Cell Transplantation **2016**, 69-86		1
312	Deployment of stem cell technologies in industry and healthcare **2016**, 693-722		
311	Regulatory and intellectual property considerations for therapeutic human stem cell-based regenerative medicine product development: a US perspective **2016**, 87-124		
310	MSCs: The New Medicine **2016**, 415-422		
309	Allogeneic Versus Autologous Stem Cell Transplantation in Regenerative Medicine **2016**, 487-496		
308	Delivery and Targeting of Therapeutic Cells **2016**, 387-396		
307	MSCs and Asthma. *Pancreatic Islet Biology*, **2016**, 7-24	0.4	
306	Nature or Nurture: Innate versus Cultured Mesenchymal Stem Cells for Tissue Regeneration **2016**, 227-240		
305	Antimicrobial Properties of Mesenchymal Stem Cells: Therapeutic Potential for Cystic Fibrosis Infection, and Treatment. *Stem Cells International*, **2016**, 2016, 5303048	5	85
304	MSCs: The Sentinel and Safe-Guards of Injury. *Journal of Cellular Physiology*, **2016**, 231, 1413-6	7	103
303	Mesenchymal stem cells regulate melanoma cancer cells extravasation to bone and liver at their perivascular niche. *International Journal of Cancer*, **2016**, 138, 417-27	7.5	54
302	Development of a Functional Biomarker for Use in Cell-Based Therapy Studies in Seropositive Rheumatoid Arthritis. *Stem Cells Translational Medicine*, **2016**, 5, 628-31	6.9	1
301	Mesenchymal Stem Cells in Lipogems, a Reverse Story: from Clinical Practice to Basic Science. *Methods in Molecular Biology*, **2016**, 1416, 109-22	1.4	15
300	The Market for Stem Cell Medicines for Domestic and High Value Animals **2016**, 245-256		
299	Body Management: Mesenchymal Stem Cells Control the Internal Regenerator. *Stem Cells Translational Medicine*, **2015**, 4, 695-701	6.9	40

298	The MSC curtain that stops the immune system. *Immunology Letters*, **2015**, 168, 136-9	4.1	75
297	Adult mesenchymal stem cells and women's health. *Menopause*, **2015**, 22, 131-5	2.5	8
296	Sequential exposure to fibroblast growth factors (FGF) 2, 9 and 18 enhances hMSC chondrogenic differentiation. *Osteoarthritis and Cartilage*, **2015**, 23, 443-53	6.2	87
295	Are All Adult Stem Cells The Same?. *Regenerative Engineering and Translational Medicine*, **2015**, 1, 4-10	2.4	10
294	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
293	Adult Mesenchymal Stem Cells: When, Where, and How. *Stem Cells International*, **2015**, 2015, 628767	5	128
292	Regenerative treatments to enhance orthopedic surgical outcome. *PM and R*, **2015**, 7, S41-S52	2.2	31
291	Cancer stem cells: targeting the roots of cancer, seeds of metastasis, and sources of therapy resistance. *Cancer Research*, **2015**, 75, 924-9	10.1	169
290	Future of Cell-Based Therapies in Orthopedic Sports Medicine **2015**, 3217-3222		
289	The role of CXCL12 and CCL7 chemokines in immune regulation, embryonic development, and tissue regeneration. *Cytokine*, **2014**, 69, 277-83	4	35
288	Progressive approval: a proposal for a new regulatory pathway for regenerative medicine. *Stem Cells Translational Medicine*, **2014**, 3, 560-3	6.9	23
287	Chondrogenic differentiation of mesenchymal stem cells: challenges and unfulfilled expectations. *Tissue Engineering - Part B: Reviews*, **2014**, 20, 596-608	7.9	205
286	Identification of a subpopulation of marrow MSC-derived medullary adipocytes that express osteoclast-regulating molecules: marrow adipocytes express osteoclast mediators. *PLoS ONE*, **2014**, 9, e108920	3.7	22
285	Validating continuous digital light processing (cDLP) additive manufacturing accuracy and tissue engineering utility of a dye-initiator package. *Biofabrication*, **2014**, 6, 015003	10.5	46
284	Serial transplantation and long-term engraftment of intra-arterially delivered clonally derived mesenchymal stem cells to injured bone marrow. *Molecular Therapy*, **2014**, 22, 160-8	11.7	47
283	Future of Cell-Based Therapies in Orthopedic Sports Medicine **2014**, 1-6		
282	Mesenchymal stem cells: environmentally responsive therapeutics for regenerative medicine. *Experimental and Molecular Medicine*, **2013**, 45, e54	12.8	767
281	The effects of crosslinking of scaffolds engineered from cartilage ECM on the chondrogenic differentiation of MSCs. *Biomaterials*, **2013**, 34, 5802-12	15.6	130

280	Growth, differentiation capacity, and function of mesenchymal stem cells expanded in serum-free medium developed via combinatorial screening. *Experimental Cell Research*, **2013**, 319, 1409-18	4.2	33
279	Cell Sources for Tissue Engineering: Mesenchymal Stem Cells **2013**, 1159-1164		
278	MSCs as Therapeutics **2013**, 79-90		7
277	Mesenchymal Stem Cells in Regenerative Medicine **2013**, 493-502		
276	Mesenchymal stem cells in tissue repair. *Frontiers in Immunology*, **2013**, 4, 201	8.4	287
275	MSCs: Delivery Routes and Engraftment, Cell-Targeting Strategies, and Immune Modulation. *Stem Cells International*, **2013**, 2013, 732742	5	271
274	Adult mesenchymal stem cells and the NO pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 2695-6	11.5	15
273	Micrometer scale guidance of mesenchymal stem cells to form structurally oriented cartilage extracellular matrix. *Tissue Engineering - Part A*, **2013**, 19, 1081-90	3.9	15
272	Pericytes as the Source of Mesenchymal Stem Cells **2013**, 233-250		3
271	Cell based therapy aides in infection and inflammation resolution in the murine model of cystic fibrosis lung disease. *Stem Cell Discovery*, **2013**, 03, 139-153	0.5	25
270	Development of a peptide-targeted, myocardial ischemia-homing, mesenchymal stem cell. *Journal of Drug Targeting*, **2012**, 20, 23-32	5.4	47
269	The inhibition by interleukin 1 of MSC chondrogenesis and the development of biomechanical properties in biomimetic 3D woven PCL scaffolds. *Biomaterials*, **2012**, 33, 8967-74	15.6	46
268	Imaging stem cell differentiation for cell-based tissue repair. *Methods in Enzymology*, **2012**, 506, 247-63	1.7	8
267	Hepatocyte growth factor mediates mesenchymal stem cell□induced recovery in multiple sclerosis models. *Nature Neuroscience*, **2012**, 15, 862-70	25.5	304
266	Stem cells in dental pulp of deciduous teeth. *Tissue Engineering - Part B: Reviews*, **2012**, 18, 129-38	7.9	98
265	Proteoglycans of uterine fibroids and keloid scars: similarity in their proteoglycan composition. *Biochemical Journal*, **2012**, 443, 361-8	3.8	30
264	Cell transplantation as an initiator of endogenous stem cell-based tissue repair. *Current Opinion in Organ Transplantation*, **2012**, 17, 670-4	2.5	22
263	The effect of extended first passage culture on the proliferation and differentiation of human marrow-derived mesenchymal stem cells. *Stem Cells Translational Medicine*, **2012**, 1, 279-88	6.9	17

262	Scaling-up of dental pulp stem cells isolated from multiple niches. *PLoS ONE*, **2012**, 7, e39885	3.7	71
261	Efficient lentiviral transduction of human mesenchymal stem cells that preserves proliferation and differentiation capabilities. *Stem Cells Translational Medicine*, **2012**, 1, 886-97	6.9	49
260	Age-related differences in human skin proteoglycans. *Glycobiology*, **2011**, 21, 257-68	5.8	48
259	The MSC: an injury drugstore. *Cell Stem Cell*, **2011**, 9, 11-5	18	1146
258	Biological evaluation of a new C-xylopyranoside derivative (C-Xyloside) and its role in glycosaminoglycan biosynthesis. *European Journal of Dermatology*, **2011**, 21, 359-70	0.8	8
257	Polybrene inhibits human mesenchymal stem cell proliferation during lentiviral transduction. *PLoS ONE*, **2011**, 6, e23891	3.7	41
256	The creation of an in vitro adipose tissue that contains a vascular-adipocyte complex. *Biomaterials*, **2011**, 32, 9667-76	15.6	30
255	Mesenchymal stem cells: mechanisms of inflammation. *Annual Review of Pathology: Mechanisms of Disease*, **2011**, 6, 457-78	34	606
254	Nondestructive evaluation of hydrogel mechanical properties using ultrasound. *Annals of Biomedical Engineering*, **2011**, 39, 2521-30	4.7	45
253	PDGF in bone formation and regeneration: new insights into a novel mechanism involving MSCs. *Journal of Orthopaedic Research*, **2011**, 29, 1795-803	3.8	200
252	Quantitative microscopy in murine models of lung inflammation **2011**, 33, 245-52		5
251	MSCs in Regenerative Medicine **2011**, 253-262		3
250	Low oxygen tension during incubation periods of chondrocyte expansion is sufficient to enhance postexpansion chondrogenesis. *Tissue Engineering - Part A*, **2010**, 16, 1585-93	3.9	23
249	Chondrogenesis and mineralization during in vitro culture of human mesenchymal stem cells on three-dimensional woven scaffolds. *Tissue Engineering - Part A*, **2010**, 16, 3709-18	3.9	69
248	Fibroblast growth factor-2 enhances proliferation and delays loss of chondrogenic potential in human adult bone-marrow-derived mesenchymal stem cells. *Tissue Engineering - Part A*, **2010**, 16, 1009-19	3.9	149
247	What's in a name?. *Tissue Engineering - Part A*, **2010**, 16, 2415-7	3.9	114
246	Chondrogenesis of adult stem cells from adipose tissue and bone marrow: induction by growth factors and cartilage-derived matrix. *Tissue Engineering - Part A*, **2010**, 16, 523-33	3.9	196
245	Human mesenchymal stem cells suppress chronic airway inflammation in the murine ovalbumin asthma model. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 299, L760-70	5.8	150

244	Mesenchymal Stem Cells: The Past, the Present, the Future. *Cartilage*, **2010**, 1, 6-9	3	41
243	Topical delivery of mesenchymal stem cells and their function in wounds. *Stem Cell Research and Therapy*, **2010**, 1, 30	8.3	83
242	In vitro generation of mechanically functional cartilage grafts based on adult human stem cells and 3D-woven poly(epsilon-caprolactone) scaffolds. *Biomaterials*, **2010**, 31, 2193-200	15.6	90
241	Defining human mesenchymal stem cell efficacy in vivo. *Journal of Inflammation*, **2010**, 7, 51	6.7	58
240	The potential of mesenchymal stem cells for neural repair. *Discovery Medicine*, **2010**, 9, 236-42	2.5	31
239	Adult mesenchymal stem cells: an innovative therapeutic for lung diseases. *Discovery Medicine*, **2010**, 9, 337-45	2.5	44
238	MSC frequency correlates with blood vessel density in equine adipose tissue. *Tissue Engineering - Part A*, **2009**, 15, 221-9	3.9	81
237	Influence of adult mesenchymal stem cells on in vitro vascular formation. *Tissue Engineering - Part A* , **2009**, 15, 1751-61	3.9	123
236	Human bone marrow-derived mesenchymal stem cells induce Th2-polarized immune response and promote endogenous repair in animal models of multiple sclerosis. *Glia*, **2009**, 57, 1192-203	9	418
235	Effect of dual growth factor delivery on chondrogenic differentiation of rabbit marrow mesenchymal stem cells encapsulated in injectable hydrogel composites. *Journal of Biomedical Materials Research - Part A*, **2009**, 88, 889-97	5.4	90
234	Dexamethasone inhibition of confluence-induced apoptosis in human mesenchymal stem cells. *Journal of Orthopaedic Research*, **2009**, 27, 216-21	3.8	45
233	In vitro dexamethasone pretreatment enhances bone formation of human mesenchymal stem cells in vivo. *Journal of Orthopaedic Research*, **2009**, 27, 916-21	3.8	71
232	Why are MSCs therapeutic? New data: new insight. *Journal of Pathology*, **2009**, 217, 318-24	9.4	895
231	A point mutation in KINDLIN3 ablates activation of three integrin subfamilies in humans. *Nature Medicine*, **2009**, 15, 313-8	50.5	281
230	Optimizing mesenchymal stem cell-based therapeutics. *Current Opinion in Biotechnology*, **2009**, 20, 531-6	11.4	141
229	Fibroblasts-a diverse population at the center of it all. *International Review of Cell and Molecular Biology*, **2009**, 276, 161-214	6	140
228	Effect of swelling ratio of injectable hydrogel composites on chondrogenic differentiation of encapsulated rabbit marrow mesenchymal stem cells in vitro. *Biomacromolecules*, **2009**, 10, 541-6	6.9	256
227	Mechanisms involved in the therapeutic properties of mesenchymal stem cells. *Cytokine and Growth Factor Reviews*, **2009**, 20, 419-27	17.9	1056

226	Mesenchymal Stem Cells **2009**, 243-248		4
225	New era of cell-based orthopedic therapies. *Tissue Engineering - Part B: Reviews*, **2009**, 15, 195-200	7.9	89
224	Human dermal fibroblast subpopulations; differential interactions with vascular endothelial cells in coculture: nonsoluble factors in the extracellular matrix influence interactions. *Wound Repair and Regeneration*, **2008**, 16, 300-9	3.6	52
223	Embryonic Development and the Principles of Tissue Engineering. *Novartis Foundation Symposium*, **2008**, 17-33		26
222	All MSCs are pericytes?. *Cell Stem Cell*, **2008**, 3, 229-30	18	572
221	Effects of initial seeding density and fluid perfusion rate on formation of tissue-engineered bone. *Tissue Engineering - Part A*, **2008**, 14, 1809-20	3.9	186
220	Chairs Introduction. *Novartis Foundation Symposium*, **2008**, 1-1		1
219	In search of the in vivo identity of mesenchymal stem cells. *Stem Cells*, **2008**, 26, 2287-99	5.8	838
218	A self-assembled fibroblast-endothelial cell co-culture system that supports in vitro vasculogenesis by both human umbilical vein endothelial cells and human dermal microvascular endothelial cells. *Cells Tissues Organs*, **2007**, 186, 157-68	2.1	91
217	Adult mesenchymal stem cells for tissue engineering versus regenerative medicine. *Journal of Cellular Physiology*, **2007**, 213, 341-7	7	1538
216	Human mesenchymal stem cells signals regulate neural stem cell fate. *Neurochemical Research*, **2007**, 32, 353-62	4.6	78
215	Clonal characterization of fibroblasts in the superficial layer of the adult human dermis. *Cell and Tissue Research*, **2007**, 327, 499-510	4.2	42
214	Injectable biodegradable hydrogel composites for rabbit marrow mesenchymal stem cell and growth factor delivery for cartilage tissue engineering. *Biomaterials*, **2007**, 28, 3217-27	15.6	295
213	Cartilage tissue engineering for laryngotracheal reconstruction: comparison of chondrocytes from three anatomic locations in the rabbit. *Tissue Engineering*, **2007**, 13, 843-53		53
212	Fundamentals of Stem Cell Tissue Engineering **2007**, 1-1-1-10		2
211	Characterization of placental proteoglycans. *FASEB Journal*, **2007**, 21, A269	0.9	1
210	Isolation of human marrow-derived mesenchymal stem cells. *Experimental Hematology*, **2006**, 34, 1604-5	3.1	154
209	Isolation of rat marrow-derived mesenchymal stem cells. *Experimental Hematology*, **2006**, 34, 1606-7	3.1	103

208	Mesenchymal stem cells as trophic mediators. *Journal of Cellular Biochemistry*, **2006**, 98, 1076-84	4.7	2261
207	Hyaluronan-based polymer scaffold modulates the expression of inflammatory and degradative factors in mesenchymal stem cells: Involvement of Cd44 and Cd54. *Journal of Cellular Physiology*, **2006**, 207, 364-73	7	82
206	A rapid seeding technique for the assembly of large cell/scaffold composite constructs. *Tissue Engineering*, **2006**, 12, 1851-63		83
205	Mesenchymal Stem Cells for Tissue Engineering **2006**, 23-59		12
204	Isolation and characterization of a population of immature dental pulp stem cells expressing OCT-4 and other embryonic stem cell markers. *Cells Tissues Organs*, **2006**, 184, 105-16	2.1	331
203	Toxic effects of gentamicin on marrow-derived human mesenchymal stem cells. *Clinical Orthopaedics and Related Research*, **2006**, 452, 242-9	2.2	47
202	A Rapid Seeding Technique for the Assembly of Large Cell/Scaffold Composite Constructs. *Tissue Engineering*, **2006**, 060802052515026		
201	Effect of transforming growth factor beta 2 on marrow-infused foam poly(propylene fumarate) tissue-engineered constructs for the repair of critical-size cranial defects in rabbits. *Tissue Engineering*, **2005**, 11, 923-39		30
200	A simple method for stem cell labeling with fluorine 18. *Nuclear Medicine and Biology*, **2005**, 32, 701-5	2.1	50
199	Review: mesenchymal stem cells: cell-based reconstructive therapy in orthopedics. *Tissue Engineering*, **2005**, 11, 1198-211		643
198	Repair of osteochondral defects with hyaluronan- and polyester-based scaffolds. *Osteoarthritis and Cartilage*, **2005**, 13, 297-309	6.2	157
197	Sustained Wnt protein expression in chondral constructs from mesenchymal stem cells. *Journal of Cellular Physiology*, **2005**, 203, 6-14	7	13
196	FGF-2 enhances the mitotic and chondrogenic potentials of human adult bone marrow-derived mesenchymal stem cells. *Journal of Cellular Physiology*, **2005**, 203, 398-409	7	395
195	Tissue engineering of autologous cartilage grafts in three-dimensional in vitro macroaggregate culture system. *Tissue Engineering*, **2004**, 10, 1695-706		76
194	Fibroblast heterogeneity: more than skin deep. *Journal of Cell Science*, **2004**, 117, 667-75	5.3	342
193	Generation of pluripotent stem cells and their differentiation to the chondrocytic phenotype. *Methods in Molecular Medicine*, **2004**, 100, 53-68		21
192	Controlled release of hyaluronan oligomers from biodegradable polymeric microparticle carriers. *Journal of Controlled Release*, **2004**, 100, 257-66	11.7	27
191	Adult stem cell driven genesis of human-shaped articular condyle. *Annals of Biomedical Engineering*, **2004**, 32, 911-23	4.7	153

190	Targeted delivery of progenitor cells for cartilage repair. *Journal of Orthopaedic Research*, **2004**, 22, 735-41	3.8	69
189	A new human somatic stem cell from placental cord blood with intrinsic pluripotent differentiation potential. *Journal of Experimental Medicine*, **2004**, 200, 123-35	16.6	878
188	Mesenchymal Stem Cells **2004**, 299-308		8
187	Osteochondral defect repair by demineralized cortical bone matrix. *Clinical Orthopaedics and Related Research*, **2004**, S62-6	2.2	29
186	Advances in mesenchymal stem cell biology. *Current Opinion in Orthopaedics*, **2004**, 15, 341-346		8
185	Cellular interactions and bone healing responses to a novel porous tricalcium phosphate bone graft material. *Orthopedics*, **2004**, 27, s167-73	1.5	11
184	Design Parameters For Functional Tissue Engineering **2003**, 129-138		2
183	Cytokines and glucocorticoids differentially regulate APN/CD13 and DPPIV/CD26 enzyme activities in cultured human dermal fibroblasts. *Archives of Dermatological Research*, **2003**, 295, 160-8	3.3	23
182	Production of a monoclonal antibody, DF-5, that identifies cells at the epithelial-mesenchymal interface in normal human skin. APN/CD13 is an epithelial-mesenchymal marker in skin. *Experimental Dermatology*, **2003**, 12, 315-23	4	26
181	Age-related changes in the proteoglycans of human skin. Specific cleavage of decorin to yield a major catabolic fragment in adult skin. *Journal of Biological Chemistry*, **2003**, 278, 17566-72	5.4	72
180	Dental Pulp Cells with Multi-Potential for Differentiation to Odontoblast and Chondroblast. *Journal of Hard Tissue Biology*, **2003**, 12, 49-55	0.4	3
179	Embryonic development and the principles of tissue engineering. *Novartis Foundation Symposium*, **2003**, 249, 17-25; discussion 25-33, 170-4, 239-41		11
178	In vivo remodeling. *Annals of the New York Academy of Sciences*, **2002**, 961, 307-8	6.5	9
177	Immunochemical and mechanical characterization of cartilage subtypes in rabbit. *Journal of Histochemistry and Cytochemistry*, **2002**, 50, 1049-58	3.4	128
176	The STRO-1+ marrow cell population is multipotential. *Cells Tissues Organs*, **2002**, 170, 73-82	2.1	273
175	HYALURONAN AND TISSUE ENGINEERING **2002**, 45-54		1
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