

# Jennifer H Elisseeff

## List of Publications by Year in Descending Order

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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.

220  
papers

14,556  
citations

65  
h-index

116  
g-index

244  
ext. papers

16,292  
ext. citations

9.1  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
220	An immunologically active, adipose-derived extracellular matrix biomaterial for soft tissue reconstruction: concept to clinical trial.. <i>Npj Regenerative Medicine</i> , <b>2022</b> , 7, 6	15.8	1
219	A framework for addressing senescent cell burden in the osteoarthritic knee <b>2022</b> , 309-334		
218	Senescent cells in tissue engineering. <i>Current Opinion in Biotechnology</i> , <b>2022</b> , 76, 102737	11.4	0
217	Biomaterials direct functional B cell response in a material-specific manner. <i>Science Advances</i> , <b>2021</b> , 7, eabj5830	14.3	3
216	Type 2 immunity induced by bladder extracellular matrix enhances corneal wound healing. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
215	The Immune System and Its Contribution to Variability in Regenerative Medicine. <i>Tissue Engineering - Part B: Reviews</i> , <b>2021</b> , 27, 39-47	7.9	8
214	Computational reconstruction of the signalling networks surrounding implanted biomaterials from single-cell transcriptomics. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 1228-1238	19	6
213	Cellular senescence in musculoskeletal homeostasis, diseases, and regeneration. <i>Bone Research</i> , <b>2021</b> , 9, 41	13.3	9
212	Translational considerations for adipose-derived biological scaffolds for soft tissue repair. <i>Current Opinion in Biomedical Engineering</i> , <b>2021</b> , 20, 100321	4.4	0
211	Glutamine Inhibition Reduces Iatrogenic Laryngotracheal Stenosis. <i>Laryngoscope</i> , <b>2021</b> , 131, E2125-E2130	306	1
210	Immune and Genome Engineering as the Future of Transplantable Tissue.. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 2451-2462	59.2	7
209	Human fibroblast-macrophage tissue spheroids demonstrate ratio-dependent fibrotic activity for in vitro fibrogenesis model development. <i>Biomaterials Science</i> , <b>2020</b> , 8, 1951-1960	7.4	9
208	Multifunctional synthetic Bowman's membrane-stromal biomimetic for corneal reconstruction. <i>Biomaterials</i> , <b>2020</b> , 241, 119880	15.6	3
207	The Canary in the Coal Mine: Biomaterial Implants to Monitor Cancer Recurrence. <i>Cancer Research</i> , <b>2020</b> , 80, 377-378	10.1	
206	Using proteolysis-targeting chimera technology to reduce navitoclax platelet toxicity and improve its senolytic activity. <i>Nature Communications</i> , <b>2020</b> , 11, 1996	17.4	73
205	Interleukin 17 and senescent cells regulate the foreign body response to synthetic material implants in mice and humans. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	42
204	IL-17 and immunologically induced senescence regulate response to injury in osteoarthritis. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5493-5507	15.9	37

203	Serum NT/CT SIRT1 ratio reflects early osteoarthritis and chondrosenescence. <i>Annals of the Rheumatic Diseases</i> , <b>2020</b> , 79, 1370-1380	2.4	13
202	Two-Year Follow-Up and Remodeling Kinetics of ChonDux Hydrogel for Full-Thickness Cartilage Defect Repair in the Knee. <i>Cartilage</i> , <b>2020</b> , 11, 447-457	3	17
201	Tissue-Derived Biological Particles Restore Cornea Properties in an Enzyme-Mediated Corneal Ectatic Model. <i>Bioengineering</i> , <b>2019</b> , 6,	5.3	1
200	A biologic scaffold-associated type 2 immune microenvironment inhibits tumor formation and synergizes with checkpoint immunotherapy. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	62
199	Engineering an immunomodulatory drug-eluting stent to treat laryngotracheal stenosis. <i>Biomaterials Science</i> , <b>2019</b> , 7, 1863-1874	7.4	12
198	Cartilage Tissue Engineering <b>2019</b> , 937-952		4
197	Analyzing the scaffold immune microenvironment using flow cytometry: practices, methods and considerations for immune analysis of biomaterials. <i>Biomaterials Science</i> , <b>2019</b> , 7, 4472-4481	7.4	6
196	Interleukin-36 $\epsilon$ -producing macrophages drive IL-17-mediated fibrosis. <i>Science Immunology</i> , <b>2019</b> , 4,	28	64
195	Microarray Embedding/Sectioning for Parallel Analysis of 3D Cell Spheroids. <i>Scientific Reports</i> , <b>2019</b> , 9, 16287	4.9	5
194	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	53
193	Effects of collagen crosslinking on porcine and human tarsal plate. <i>BMC Ophthalmology</i> , <b>2019</b> , 19, 255	2.3	5
192	Tissue-derived microparticles reduce inflammation and fibrosis in cornea wounds. <i>Acta Biomaterialia</i> , <b>2019</b> , 85, 192-202	10.8	10
191	Divergent immune responses to synthetic and biological scaffolds. <i>Biomaterials</i> , <b>2019</b> , 192, 405-415	15.6	109
190	Synthetic Nanofiber-Reinforced Amniotic Membrane via Interfacial Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14559-14569	9.5	24
189	Entanglement-Based Thermoplastic Shape Memory Polymeric Particles with Photothermal Actuation for Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13333-13341	9.5	39
188	Collagen vitrigels with low-fibril density enhance human embryonic stem cell-derived retinal pigment epithelial cell maturation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 821-829	4.4	2
187	Extracellular matrix particle-glycosaminoglycan composite hydrogels for regenerative medicine applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 147-159	5.4	32
186	Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804076	15.6	21

185	A hyaluronic acid binding peptide-polymer system for treating osteoarthritis. <i>Biomaterials</i> , <b>2018</b> , 183, 93-101	15.6	36
184	Senescent cells and osteoarthritis: a painful connection. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1229-1237	15.7	112
183	Nictitating membrane fixation improves stability of the contact lens on the animal corneal surface. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194795	3.7	5
182	Cornea Implants: Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants (Adv. Funct. Mater. 41/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870297	15.6	
181	Biological scaffold-mediated delivery of myostatin inhibitor promotes a regenerative immune response in an animal model of Duchenne muscular dystrophy. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 15594-15605	5.4	7
180	Metabolically Active Three-Dimensional Brown Adipose Tissue Engineered from White Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 253-262	3.9	12
179	Biomanufacturing Seamless Tubular and Hollow Collagen Scaffolds with Unique Design Features and Biomechanical Properties. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601136	10.1	12
178	Local clearance of senescent cells attenuates the development of post-traumatic osteoarthritis and creates a pro-regenerative environment. <i>Nature Medicine</i> , <b>2017</b> , 23, 775-781	50.5	642
177	Proteomic composition and immunomodulatory properties of urinary bladder matrix scaffolds in homeostasis and injury. <i>Seminars in Immunology</i> , <b>2017</b> , 29, 14-23	10.7	49
176	Targeted delivery of hyaluronic acid to the ocular surface by a polymer-peptide conjugate system for dry eye disease. <i>Acta Biomaterialia</i> , <b>2017</b> , 55, 163-171	10.8	18
175	Key players in the immune response to biomaterial scaffolds for regenerative medicine. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 114, 184-192	18.5	178
174	An In Vitro Model for the Ocular Surface and Tear Film System. <i>Scientific Reports</i> , <b>2017</b> , 7, 6163	4.9	13
173	The Scaffold Immune Microenvironment: Biomaterial-Mediated Immune Polarization in Traumatic and Nontraumatic Applications. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 1044-1053	3.9	48
172	Intra-articular Injection of Urinary Bladder Matrix Reduces Osteoarthritis Development. <i>AAPS Journal</i> , <b>2017</b> , 19, 141-149	3.7	13
171	Metabolic variations in normal and fibrotic human laryngotracheal-derived fibroblasts: A Warburg-like effect. <i>Laryngoscope</i> , <b>2017</b> , 127, E107-E113	3.6	23
170	Chondroitin Sulfate-Based Biocompatible Crosslinker Restores Corneal Mechanics and Collagen Alignment <b>2017</b> , 58, 3887-3895		11
169	Hypoxia-Inducible Factor-Dependent Expression of Angiopoietin-Like 4 by Conjunctival Epithelial Cells Promotes the Angiogenic Phenotype of Pterygia <b>2017</b> , 58, 4514-4523		6
168	Three-Dimensional Culture of Functional Adult Rabbit Lacrimal Gland Epithelial Cells on Decellularized Scaffold. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 65-74	3.9	15

167	Design, clinical translation and immunological response of biomaterials in regenerative medicine. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	136
166	Human iPSC-derived osteoblasts and osteoclasts together promote bone regeneration in 3D biomaterials. <i>Scientific Reports</i> , <b>2016</b> , 6, 26761	4.9	95
165	Influence of collagen source on fibrillar architecture and properties of vitrified collagen membranes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 300-7	3.5	14
164	Orthopedic tissue regeneration: cells, scaffolds, and small molecules. <i>Drug Delivery and Translational Research</i> , <b>2016</b> , 6, 105-20	6.2	27
163	Time to Relax: Mechanical Stress Release Guides Stem Cell Responses. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 166-7	18	14
162	Local delivery of a carbohydrate analog for reducing arthritic inflammation and rebuilding cartilage. <i>Biomaterials</i> , <b>2016</b> , 83, 93-101	15.6	17
161	Evaluation of the biocompatibility of regenerated cellulose hydrogels with high strength and transparency for ocular applications. <i>Journal of Biomaterials Applications</i> , <b>2016</b> , 30, 1049-59	2.9	17
160	Assessment of a Novel Corneal-Shaping Device With Simultaneous Corneal Collagen Cross-Linking Using a Porcine Eye Model. <i>Cornea</i> , <b>2016</b> , 35, 114-21	3.1	4
159	Mimicking biological functionality with polymers for biomedical applications. <i>Nature</i> , <b>2016</b> , 540, 386-394	50.4	278
158	Electrospun Microfiber Scaffolds with Anti-Inflammatory Tributanoylated N-Acetyl-d-Glucosamine Promote Cartilage Regeneration. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 689-97	3.9	15
157	Developing a pro-regenerative biomaterial scaffold microenvironment requires T helper 2 cells. <i>Science</i> , <b>2016</b> , 352, 366-70	33.3	327
156	Three-Dimensional Printing of Bone Extracellular Matrix for Craniofacial Regeneration. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 1806-1816	5.5	111
155	Biodynamic performance of hyaluronic acid versus synovial fluid of the knee in osteoarthritis. <i>Methods</i> , <b>2015</b> , 84, 90-8	4.6	17
154	Tissue matrix arrays for high-throughput screening and systems analysis of cell function. <i>Nature Methods</i> , <b>2015</b> , 12, 1197-204	21.6	115
153	Integrating Tissue Microenvironment with Scaffold Design to Promote Immune-Mediated Regeneration <b>2015</b> , 35-51		
152	Hyaluronic acid-serum hydrogels rapidly restore metabolism of encapsulated stem cells and promote engraftment. <i>Biomaterials</i> , <b>2015</b> , 73, 1-11	15.6	26
151	Use of a chondroitin sulfate bioadhesive to enhance integration of bioglass particles for repairing critical-size bone defects. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 235-42	5.4	19
150	Regeneration of corneal epithelium utilizing a collagen vitrigel membrane in rabbit models for corneal stromal wound and limbal stem cell deficiency. <i>Acta Ophthalmologica</i> , <b>2015</b> , 93, e57-66	3.7	31

149	A hyaluronic acid-binding contact lens with enhanced water retention. <i>Contact Lens and Anterior Eye</i> , <b>2015</b> , 38, 79-84	4.1	37
148	Carnitine and acetylcarnitine modulate mesenchymal differentiation of adult stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 1352-62	4.4	12
147	Physical and Biological Characterization of the Gamma-Irradiated Human Cornea. <i>Cornea</i> , <b>2015</b> , 34, 1287-94	3.94	12
146	Protective Effects of Soluble Collagen during Ultraviolet-A Crosslinking on Enzyme-Mediated Corneal Ectatic Models. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136999	3.7	8
145	Glycolysis is the primary bioenergetic pathway for cell motility and cytoskeletal remodeling in human prostate and breast cancer cells. <i>Oncotarget</i> , <b>2015</b> , 6, 130-43	3.3	99
144	PEG hydrogel degradation and the role of the surrounding tissue environment. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 315-8	4.4	73
143	Biomaterials and Tissue Engineering Strategies for Conjunctival Reconstruction and Dry Eye Treatment. <i>Middle East African Journal of Ophthalmology</i> , <b>2015</b> , 22, 428-34	0.9	13
142	Intra-articular delivery of glucosamine for treatment of experimental osteoarthritis created by a medial meniscectomy in a rat model. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 302-9	3.8	13
141	Enhanced lubrication on tissue and biomaterial surfaces through peptide-mediated binding of hyaluronic acid. <i>Nature Materials</i> , <b>2014</b> , 13, 988-95	27	143
140	Banded structures in collagen vitrigels for corneal injury repair. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 3615-9	10.8	1
139	Vitrified collagen-based conjunctival equivalent for ocular surface reconstruction. <i>Biomaterials</i> , <b>2014</b> , 35, 7398-406	15.6	26
138	Developing biomimetic collagen-based matrix using cyclodextrin for corneal repair <b>2014</b> ,		2
137	Biomaterials and Tissue Engineering for Soft Tissue Reconstruction <b>2014</b> , 235-241		6
136	Application of a collagen-based membrane and chondroitin sulfate-based hydrogel adhesive for the potential repair of severe ocular surface injuries. <i>Military Medicine</i> , <b>2014</b> , 179, 686-94	1.3	13
135	Tissue extracellular matrix nanoparticle presentation in electrospun nanofibers. <i>BioMed Research International</i> , <b>2014</b> , 2014, 469120	3	23
134	Evolution of autologous chondrocyte repair and comparison to other cartilage repair techniques. <i>BioMed Research International</i> , <b>2014</b> , 2014, 272481	3	89
133	Fibre-reinforced hydrogels with high optical transparency. <i>International Materials Reviews</i> , <b>2014</b> , 59, 264-296	16.1	16
132	An in situ, in vivo murine model for the study of laryngotracheal stenosis. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2014</b> , 140, 961-6	3.9	28

131	A comparison of the rheologic properties of an adipose-derived extracellular matrix biomaterial, lipoaspirate, calcium hydroxylapatite, and cross-linked hyaluronic acid. <i>JAMA Facial Plastic Surgery</i> , <b>2014</b> , 16, 405-9	3.2	14
130	Determination of crosslinking density of hydrogels prepared from microcrystalline cellulose. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4537-4541	2.9	44
129	The independent roles of mechanical, structural and adhesion characteristics of 3D hydrogels on the regulation of cancer invasion and dissemination. <i>Biomaterials</i> , <b>2013</b> , 34, 9486-95	15.6	84
128	Comparison of 3 techniques of fat grafting and cell-supplemented lipotransfer in athymic rats: a pilot study. <i>Aesthetic Surgery Journal</i> , <b>2013</b> , 33, 713-21	2.4	72
127	Tissue engineering for in vitro analysis of matrix metalloproteinases in the pathogenesis of keloid lesions. <i>JAMA Facial Plastic Surgery</i> , <b>2013</b> , 15, 448-56	3.2	24
126	Short-chain fatty acid-modified hexamine for tissue-engineering osteoarthritic cartilage. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2035-44	3.9	12
125	Bonding and fusion of meniscus fibrocartilage using a novel chondroitin sulfate bone marrow tissue adhesive. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 1843-51	3.9	29
124	Enhanced tissue production through redox control in stem cell-laden hydrogels. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2014-23	3.9	10
123	Human cartilage repair with a photoreactive adhesive-hydrogel composite. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 167ra6	17.5	227
122	An orthopedic tissue adhesive for targeted delivery of intraoperative biologics. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 392-400	3.8	21
121	Modulation of keratocyte phenotype by collagen fibril nanoarchitecture in membranes for corneal repair. <i>Biomaterials</i> , <b>2013</b> , 34, 9365-72	15.6	35
120	An adhesive bone marrow scaffold and bone morphogenetic-2 protein carrier for cartilage tissue engineering. <i>Biomacromolecules</i> , <b>2013</b> , 14, 637-43	6.9	26
119	Photomodulation of Cellular Gene Expression in Hydrogels.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 269-272	6.6	14
118	Modular multifunctional poly(ethylene glycol) hydrogels for stem cell differentiation. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 575-582	15.6	47
117	Future perspectives for regenerative medicine in ophthalmology. <i>Middle East African Journal of Ophthalmology</i> , <b>2013</b> , 20, 38-45	0.9	13
116	Biomaterials directed in vivo osteogenic differentiation of mesenchymal cells derived from human embryonic stem cells. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 1723-32	3.9	41
115	Differential response of chondrocytes and chondrogenic-induced mesenchymal stem cells to C1-OH tributanoylated N-acetylhexosamines. <i>PLoS ONE</i> , <b>2013</b> , 8, e58899	3.7	8
114	Thermal denaturation of type I collagen vitrified gels. <i>Thermochimica Acta</i> , <b>2012</b> , 527, 172-179	2.9	24

113	Hyaluronic acid-human blood hydrogels for stem cell transplantation. <i>Biomaterials</i> , <b>2012</b> , 33, 8026-33	15.6	47
112	Validation of a small animal model for soft tissue filler characterization. <i>Dermatologic Surgery</i> , <b>2012</b> , 38, 471-8	1.7	13
111	Regulating synthetic gene networks in 3D materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15217-22	11.5	31
110	Light activated cell migration in synthetic extracellular matrices. <i>Biomaterials</i> , <b>2012</b> , 33, 8040-6	15.6	23
109	Structure and properties of collagen vitrigel membranes for ocular repair and regeneration applications. <i>Biomaterials</i> , <b>2012</b> , 33, 8286-95	15.6	53
108	Moxifloxacin in situ gelling microparticles-bioadhesive delivery system. <i>Results in Pharma Sciences</i> , <b>2012</b> , 2, 66-71		11
107	Hyaluronic acid-binding scaffold for articular cartilage repair. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 2497-506	15.6	70
106	Matrix metalloproteinases and inhibitors in cartilage tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2012</b> , 6, 144-54	4.4	9
105	Bioinspired nanofibers support chondrogenesis for articular cartilage repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 10012-7	11.5	170
104	Evaluating Osteoarthritic Chondrocytes through a Novel 3-Dimensional In Vitro System for Cartilage Tissue Engineering and Regeneration. <i>Cartilage</i> , <b>2012</b> , 3, 128-40	3	4
103	Multifunctional aliphatic polyester nanofibers for tissue engineering. <i>Biomatter</i> , <b>2012</b> , 2, 202-12		32
102	An injectable adipose matrix for soft-tissue reconstruction. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 1247-1257	2.7	93
101	Cartilage Tissue Engineering <b>2011</b> , 981-995		
100	Injectable Polymers <b>2011</b> , 631-664		1
99	Regulation of osteogenic and chondrogenic differentiation of mesenchymal stem cells in PEG-ECM hydrogels. <i>Cell and Tissue Research</i> , <b>2011</b> , 344, 499-509	4.2	98
98	The influence of biological motifs and dynamic mechanical stimulation in hydrogel scaffold systems on the phenotype of chondrocytes. <i>Biomaterials</i> , <b>2011</b> , 32, 1508-16	15.6	52
97	Engineering Cartilage: From Materials to Small Molecules <b>2011</b> , 181-209		
96	Mesenchymal stem cell stimulation of tissue growth depends on differentiation state. <i>Stem Cells and Development</i> , <b>2011</b> , 20, 405-14	4.4	22



95	Photoactivated composite biomaterial for soft tissue restoration in rodents and in humans. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 93ra67	17.5	77
94	Biomimetics of the Extracellular Matrix: An Integrated Three-Dimensional Fiber-Hydrogel Composite for Cartilage Tissue Engineering. <i>Smart Structures and Systems</i> , <b>2011</b> , 7, 213-222		101
93	Characterization of human mesenchymal stem cell-engineered cartilage: analysis of its ultrastructure, cell density and chondrocyte phenotype compared to native adult and fetal cartilage. <i>Cells Tissues Organs</i> , <b>2010</b> , 191, 12-20	2.1	22
92	Embryonic progenitor cells in adipose tissue engineering. <i>Facial Plastic Surgery</i> , <b>2010</b> , 26, 405-12	1.2	4
91	Development of a PEG Derivative Containing Hydrolytically Degradable Hemiacetals. <i>Macromolecules</i> , <b>2010</b> , 43, 9588-9590	5.5	26
90	The life of a cell: probing the complex relationships with the world. <i>Cell Stem Cell</i> , <b>2010</b> , 6, 499-501	18	5
89	A tale of two tissues: stem cells in cartilage and corneal tissue engineering. <i>Current Stem Cell Research and Therapy</i> , <b>2010</b> , 5, 37-48	3.6	13
88	ENGINEERING PEPTIDES IN HYDROGELS FOR CARTILAGE TISSUE REGENERATION <b>2010</b> , 311-345		1
87	Biomaterials for stem cell differentiation. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8832		39
86	A versatile pH sensitive chondroitin sulfate-PEG tissue adhesive and hydrogel. <i>Biomaterials</i> , <b>2010</b> , 31, 2788-97	15.6	245
85	Engineering musculoskeletal tissues with human embryonic germ cell derivatives. <i>Stem Cells</i> , <b>2010</b> , 28, 765-74	5.8	37
84	Bone and Cartilage <b>2010</b> , 219-242		
83	Embryonic germ cells are capable of adipogenic differentiation in vitro and in vivo. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 479-86	3.9	16
82	Application of stem cells for articular cartilage regeneration. <i>Journal of Knee Surgery</i> , <b>2009</b> , 22, 60-71	2.4	36
81	Collagen Vitrigel membranes for the in vitro reconstruction of separate corneal epithelial, stromal, and endothelial cell layers. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 90, 818-31	3.5	63
80	Stem cells in musculoskeletal engineered tissue. <i>Current Opinion in Biotechnology</i> , <b>2009</b> , 20, 537-44	11.4	38
79	Real-time monitoring of force response measured in mechanically stimulated tissue-engineered cartilage. <i>Artificial Organs</i> , <b>2009</b> , 33, 318-27	2.6	19
78	The differential effect of scaffold composition and architecture on chondrocyte response to mechanical stimulation. <i>Biomaterials</i> , <b>2009</b> , 30, 518-25	15.6	55

77	Decellularization of bovine corneas for tissue engineering applications. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1839-1847	4.78	106
76	Synthesis and characterization of a chondroitin sulfate-polyethylene glycol corneal adhesive. <i>Journal of Cataract and Refractive Surgery</i> , <b>2009</b> , 35, 567-76	2.3	35
75	Integration and application of vitrified collagen in multilayered microfluidic devices for corneal microtissue culture. <i>Lab on A Chip</i> , <b>2009</b> , 9, 3221-7	7.2	63
74	Characterizing ECM production by cells encapsulated in hydrogels. <i>Methods in Molecular Biology</i> , <b>2009</b> , 522, 349-62	1.4	10
73	Cartilage Tissue Engineering <b>2008</b> , 1176-1197		
72	Chondroitin sulfate based niches for chondrogenic differentiation of mesenchymal stem cells. <i>Matrix Biology</i> , <b>2008</b> , 27, 12-21	11.4	289
71	The study of abnormal bone development in the Apert syndrome Fgfr2+/S252W mouse using a 3D hydrogel culture model. <i>Bone</i> , <b>2008</b> , 43, 55-63	4.7	33
70	Enhanced chondrogenesis of mesenchymal stem cells in collagen mimetic peptide-mediated microenvironment. <i>Tissue Engineering - Part A</i> , <b>2008</b> , 14, 1843-51	3.9	82
69	In vivo commitment and functional tissue regeneration using human embryonic stem cell-derived mesenchymal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 20641-6	11.5	223
68	Enhanced chondrogenic differentiation of embryonic stem cells by coculture with hepatic cells. <i>Stem Cells and Development</i> , <b>2008</b> , 17, 555-63	4.4	18
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6	Polysaccharide hydrogels for regenerative medicine applications247-262		

- 5 Single cell RNA-seq in regenerative and fibrotic biomaterial environments defines new macrophage subsets 1
- 4 Intercellular signaling dynamics from a single cell atlas of the biomaterials response 1
- 3 Interleukin-17 and senescence regulate the foreign body response 6
- 2 Photopolymerization5971-5983
- 1 Tissue Engineering, Cartilage: Injectable Systems7972-7985