

# Jennifer H Elisseeff

## List of Publications by Citations

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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	Variable cytocompatibility of six cell lines with photoinitiators used for polymerizing hydrogels and cell encapsulation. <i>Biomaterials</i> , <b>2005</b> , 26, 1211-8	15.6	657
219	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
218	Multifunctional chondroitin sulphate for cartilage tissue-biomaterial integration. <i>Nature Materials</i> , <b>2007</b> , 6, 385-92	27	527
217	Engineering complex tissues. <i>Tissue Engineering</i> , <b>2006</b> , 12, 3307-39		459
216	The effect of incorporating RGD adhesive peptide in polyethylene glycol diacrylate hydrogel on osteogenesis of bone marrow stromal cells. <i>Biomaterials</i> , <b>2005</b> , 26, 5991-8	15.6	395
215	In situ forming degradable networks and their application in tissue engineering and drug delivery. <i>Journal of Controlled Release</i> , <b>2002</b> , 78, 199-209	11.7	393
214	In vitro chondrogenesis of bone marrow-derived mesenchymal stem cells in a photopolymerizing hydrogel. <i>Tissue Engineering</i> , <b>2003</b> , 9, 679-88		345
213	Developing a pro-regenerative biomaterial scaffold microenvironment requires T helper 2 cells. <i>Science</i> , <b>2016</b> , 352, 366-70	33.3	327
212	Chondroitin sulfate based niches for chondrogenic differentiation of mesenchymal stem cells. <i>Matrix Biology</i> , <b>2008</b> , 27, 12-21	11.4	289
211	Mimicking biological functionality with polymers for biomedical applications. <i>Nature</i> , <b>2016</b> , 540, 386-394	50.4	278
210	Controlled differentiation of stem cells. <i>Advanced Drug Delivery Reviews</i> , <b>2008</b> , 60, 199-214	18.5	261
209	A versatile pH sensitive chondroitin sulfate-PEG tissue adhesive and hydrogel. <i>Biomaterials</i> , <b>2010</b> , 31, 2788-97	15.6	245
208	Engineering structurally organized cartilage and bone tissues. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 148-59	4.7	245
207	Chondrogenic differentiation of human embryonic stem cell-derived cells in arginine-glycine-aspartate-modified hydrogels. <i>Tissue Engineering</i> , <b>2006</b> , 12, 2695-706		238
206	Controlled-release of IGF-I and TGF-beta1 in a photopolymerizing hydrogel for cartilage tissue engineering. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 1098-104	3.8	234
205	Human cartilage repair with a photoreactive adhesive-hydrogel composite. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 167ra6	17.5	227
204	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

203	Effects of three-dimensional culture and growth factors on the chondrogenic differentiation of murine embryonic stem cells. <i>Stem Cells</i> , <b>2006</b> , 24, 284-91	5.8	211
202	Synthesis and characterization of a novel degradable phosphate-containing hydrogel. <i>Biomaterials</i> , <b>2003</b> , 24, 3969-80	15.6	196
201	Differential response of adult and embryonic mesenchymal progenitor cells to mechanical compression in hydrogels. <i>Stem Cells</i> , <b>2007</b> , 25, 2730-8	5.8	179
200	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
199	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
198	Collagen mimetic peptide-conjugated photopolymerizable PEG hydrogel. <i>Biomaterials</i> , <b>2006</b> , 27, 5268-76	5.6	165
197	Photocrosslinkable polysaccharides based on chondroitin sulfate. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 68, 28-33		163
196	Bioresponsive phosphoester hydrogels for bone tissue engineering. <i>Tissue Engineering</i> , <b>2005</b> , 11, 201-13		162
195	Biodegradable and photocrosslinkable polyphosphoester hydrogel. <i>Biomaterials</i> , <b>2006</b> , 27, 1027-34	15.6	161
194	Adult stem cell driven genesis of human-shaped articular condyle. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 911-23	4.7	153
193	Abnormalities in cartilage and bone development in the Apert syndrome FGFR2(+S252W) mouse. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 3537-48	6.6	148
192	Transdermal photopolymerization of poly(ethylene oxide)-based injectable hydrogels for tissue-engineered cartilage. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 104, 1014-22	2.7	147
191	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
190	A tissue-engineered conduit for peripheral nerve repair. <i>JAMA Otolaryngology</i> , <b>1998</b> , 124, 1081-6		143
189	Design, clinical translation and immunological response of biomaterials in regenerative medicine. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	136
188	Designing zonal organization into tissue-engineered cartilage. <i>Tissue Engineering</i> , <b>2007</b> , 13, 405-14		125
187	Transdermal Photopolymerization of Poly (Ethylene Oxide)-Based Injectable Hydrogels for Tissue-Engineered Cartilage. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 104, 1014-1022	2.7	125
186	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

185	In vivo chondrogenesis of mesenchymal stem cells in a photopolymerized hydrogel. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 119, 112-120	2.7	113
184	Senescent cells and osteoarthritis: a painful connection. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1229-1237	15.7	112
183	Hydrogels for Musculoskeletal Tissue Engineering. <i>Advances in Polymer Science</i> , <b>2006</b> , 95-144	1.3	111
182	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
181	Divergent immune responses to synthetic and biological scaffolds. <i>Biomaterials</i> , <b>2019</b> , 192, 405-415	15.6	109
180	Decellularization of bovine corneas for tissue engineering applications. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1839-1848	14.7	106
179	Morphogenetic signals from chondrocytes promote chondrogenic and osteogenic differentiation of mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 212, 281-4	7	105
178	Derivation of chondrogenically-committed cells from human embryonic cells for cartilage tissue regeneration. <i>PLoS ONE</i> , <b>2008</b> , 3, e2498	3.7	104
177	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
176	Enhanced chondrogenic differentiation of murine embryonic stem cells in hydrogels with glucosamine. <i>Biomaterials</i> , <b>2006</b> , 27, 6015-23	15.6	100
175	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
174	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
173	Injectable cartilage tissue engineering. <i>Expert Opinion on Biological Therapy</i> , <b>2004</b> , 4, 1849-59	5.4	97
172	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
171	An injectable adipose matrix for soft-tissue reconstruction. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 1247-1257	2.7	93
170	Evolution of autologous chondrocyte repair and comparison to other cartilage repair techniques. <i>BioMed Research International</i> , <b>2014</b> , 2014, 272481	3	89
169	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
168	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

167	Heterogeneous-Phase Reaction of Glycidyl Methacrylate and Chondroitin Sulfate: Mechanism of Ring-Opening $\beta$ -transesterification Competition. <i>Macromolecules</i> , <b>2003</b> , 36, 2556-2562	5.5	80
166	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
165	In vitro prefabrication of human cartilage shapes using fibrin glue and human chondrocytes. <i>Annals of Plastic Surgery</i> , <b>1998</b> , 40, 413-20; discussion 420-1	1.7	77
164	Synthesis and Characterization of Photo-Cross-Linked Polymers Based on Poly(l-lactic acid-co-l-aspartic acid). <i>Macromolecules</i> , <b>1997</b> , 30, 2182-2184	5.5	76
163	The role of biomaterials in stem cell differentiation: applications in the musculoskeletal system. <i>Stem Cells and Development</i> , <b>2006</b> , 15, 295-303	4.4	75
162	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
161	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
160	Response of zonal chondrocytes to extracellular matrix-hydrogels. <i>FEBS Letters</i> , <b>2007</b> , 581, 4172-8	3.8	73
159	In situ immobilization of proteins and RGD peptide on polyurethane surfaces via poly(ethylene oxide) coupling polymers for human endothelial cell growth. <i>Biomacromolecules</i> , <b>2002</b> , 3, 1286-95	6.9	73
158	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
157	Hyaluronic acid-binding scaffold for articular cartilage repair. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 2497-506	5.6	70
156	Interleukin-36 $\beta$ -producing macrophages drive IL-17-mediated fibrosis. <i>Science Immunology</i> , <b>2019</b> , 4,	28	64
155	A modified chondroitin sulfate aldehyde adhesive for sealing corneal incisions. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1247-50		64
154	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
153	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
152	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
151	Biomaterials engineered for integration. <i>Materials Today</i> , <b>2008</b> , 11, 44-51	21.8	62
150	Musculoskeletal differentiation of cells derived from human embryonic germ cells. <i>Stem Cells</i> , <b>2005</b> , 23, 113-23	5.8	59

149	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
148	Metabolic changes in mesenchymal stem cells in osteogenic medium measured by autofluorescence spectroscopy. <i>Stem Cells</i> , <b>2006</b> , 24, 1213-7	5.8	54
147	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
146	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	53
145	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
144	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
143	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
142	Hyaluronic acid-human blood hydrogels for stem cell transplantation. <i>Biomaterials</i> , <b>2012</b> , 33, 8026-33	15.6	47
141	Modular multifunctional poly(ethylene glycol) hydrogels for stem cell differentiation. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 575-582	15.6	47
140	Cartilage tissue engineering: Directed differentiation of embryonic stem cells in three-dimensional hydrogel culture. <i>Methods in Molecular Biology</i> , <b>2007</b> , 407, 351-73	1.4	47
139	Size of the embryoid body influences chondrogenesis of mouse embryonic stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2008</b> , 2, 499-506	4.4	46
138	Keratocyte behavior in three-dimensional photopolymerizable poly(ethylene glycol) hydrogels. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 1139-1147	10.8	45
137	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
136	Immobilized fibrinogen in PEG hydrogels does not improve chondrocyte-mediated matrix deposition in response to mechanical stimulation. <i>Biotechnology and Bioengineering</i> , <b>2006</b> , 95, 1061-9	4.9	43
135	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
134	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
133	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
132	Biomaterials for stem cell differentiation. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8832		39

131	Stem cells in musculoskeletal engineered tissue. <i>Current Opinion in Biotechnology</i> , <b>2009</b> , 20, 537-44	11.4	38
130	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
129	Engineering musculoskeletal tissues with human embryonic germ cell derivatives. <i>Stem Cells</i> , <b>2010</b> , 28, 765-74	5.8	37
128	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
127	A hyaluronic acid binding peptide-polymer system for treating osteoarthritis. <i>Biomaterials</i> , <b>2018</b> , 183, 93-101	15.6	36
126	Application of stem cells for articular cartilage regeneration. <i>Journal of Knee Surgery</i> , <b>2009</b> , 22, 60-71	2.4	36
125	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
124	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
123	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
122	An analysis of the integration between articular cartilage and nondegradable hydrogel using magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2006</b> , 77, 144-8	3.5	33
121	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
120	Multifunctional aliphatic polyester nanofibers for tissue engineering. <i>Biomatter</i> , <b>2012</b> , 2, 202-12		32
119	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
118	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
117	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
116	Novel human endothelial cell-engineered polyurethane biomaterials for cardiovascular biomedical applications. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 65, 498-510		29
115	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
114	Reorganization of actin filaments enhances chondrogenic differentiation of cells derived from murine embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 348, 421-7	3.4	28

113	Transdermal photopolymerized adhesive for seroma prevention. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 103, 531-5	2.7	28
112	Orthopedic tissue regeneration: cells, scaffolds, and small molecules. <i>Drug Delivery and Translational Research</i> , <b>2016</b> , 6, 105-20	6.2	27
111	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
110	Vitrified collagen-based conjunctival equivalent for ocular surface reconstruction. <i>Biomaterials</i> , <b>2014</b> , 35, 7398-406	15.6	26
109	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
108	Development of a PEG Derivative Containing Hydrolytically Degradable Hemiacetals. <i>Macromolecules</i> , <b>2010</b> , 43, 9588-9590	5.5	26
107	Synthetic Nanofiber-Reinforced Amniotic Membrane via Interfacial Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14559-14569	9.5	24
106	Thermal denaturation of type I collagen vitrified gels. <i>Thermochimica Acta</i> , <b>2012</b> , 527, 172-179	2.9	24
105	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
104	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
103	Tissue extracellular matrix nanoparticle presentation in electrospun nanofibers. <i>BioMed Research International</i> , <b>2014</b> , 2014, 469120	3	23
102	Light activated cell migration in synthetic extracellular matrices. <i>Biomaterials</i> , <b>2012</b> , 33, 8040-6	15.6	23
101	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
100	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
99	Modified microkeratome-assisted posterior lamellar keratoplasty using a tissue adhesive. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 210-4		22
98	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
97	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
96	Improving long-term projection in nipple reconstruction using human acellular dermal matrix: an animal model. <i>Annals of Plastic Surgery</i> , <b>2005</b> , 55, 304-9	1.7	21



95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	Fibre-reinforced hydrogels with high optical transparency. <i>International Materials Reviews</i> , <b>2014</b> , 59, 264-296	16.1	16
86	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
85	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
84	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
83	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
82	Time to Relax: Mechanical Stress Release Guides Stem Cell Responses. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 166-7	18	14
81	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
80	Photomodulation of Cellular Gene Expression in Hydrogels.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 269-272	6.6	14
79	Embryonic stem cells: potential for more impact. <i>Trends in Biotechnology</i> , <b>2004</b> , 22, 155-6	15.1	14
78	An extracellular matrix extract for tissue-engineered cartilage. <i>IEEE Engineering in Medicine and Biology Magazine</i> , <b>2003</b> , 22, 71-6		14

77	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
76	An In Vitro Model for the Ocular Surface and Tear Film System. <i>Scientific Reports</i> , <b>2017</b> , 7, 6163	4.9	13
75	Intra-articular Injection of Urinary Bladder Matrix Reduces Osteoarthritis Development. <i>AAPS Journal</i> , <b>2017</b> , 19, 141-149	3.7	13
74	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
73	Validation of a small animal model for soft tissue filler characterization. <i>Dermatologic Surgery</i> , <b>2012</b> , 38, 471-8	1.7	13
72	Future perspectives for regenerative medicine in ophthalmology. <i>Middle East African Journal of Ophthalmology</i> , <b>2013</b> , 20, 38-45	0.9	13
71	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
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