Myron Spector

List of Publications by Citations

154 papers	6,387 citations	46 h-index	76 g-index
168 ext. papers	6,908 ext. citations	6.2 avg, IF	5.79 L-index

#	Paper	IF	Citations
154	Matrix collagen type and pore size influence behaviour of seeded canine chondrocytes. *Biomaterials*, **1997**, 18, 769-76	15.6	346
153	Effect of cultured autologous chondrocytes on repair of chondral defects in a canine model. *Journal of Bone and Joint Surgery - Series A*, **1997**, 79, 1439-51	5.6	259
152	Modulation of mesenchymal stem cell chondrogenesis in a tunable hyaluronic acid hydrogel microenvironment. *Biomaterials*, **2012**, 33, 3835-45	15.6	218
151	Canine chondrocytes seeded in type I and type II collagen implants investigated in vitro. *Journal of Biomedical Materials Research Part B*, **1997**, 38, 95-104		209
150	Healing of canine articular cartilage defects treated with microfracture, a type-II collagen matrix, or cultured autologous chondrocytes. *Journal of Orthopaedic Research*, **2000**, 18, 781-9	3.8	195
149	Early bone apposition in vivo on plasma-sprayed and electrochemically deposited hydroxyapatite coatings on titanium alloy. *Biomaterials*, **2006**, 27, 4192-203	15.6	173
148	Role of loads and prosthesis material properties on the mechanics of the proximal femur after total hip arthroplasty. *Journal of Orthopaedic Research*, **1992**, 10, 405-22	3.8	157
147	The biologic effects of implant materials. *Journal of Orthopaedic Research*, **1991**, 9, 760-75	3.8	156
146	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. *ACS Nano*, **2016**, 10, 4441-50	16.7	152
145	The effectiveness of the controlled release of gentamicin from polyelectrolyte multilayers in the treatment of Staphylococcus aureus infection in a rabbit bone model. *Biomaterials*, **2010**, 31, 6019-30	15.6	131
144	Tendon cell contraction of collagen-GAG matrices in vitro: effect of cross-linking. *Biomaterials*, **2000**, 21, 1607-19	15.6	126
143	Effects of cross-linking type II collagen-GAG scaffolds on chondrogenesis in vitro: dynamic pore reduction promotes cartilage formation. *Tissue Engineering*, **2006**, 12, 1345-55		117
142	Development of hyaluronic acid-based scaffolds for brain tissue engineering. *Acta Biomaterialia*, **2009**, 5, 2371-84	10.8	113
141	Meniscus cells seeded in type I and type II collagen-GAG matrices in vitro. *Biomaterials*, **1999**, 20, 701-9	15.6	111
140	Articular cartilage chondrocytes in type I and type II collagen-GAG matrices exhibit contractile behavior in vitro. *Tissue Engineering*, **2000**, 6, 555-65		109
139	Adaptive growth factor delivery from a polyelectrolyte coating promotes synergistic bone tissue repair and reconstruction. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12847-52	11.5	105
138	Composition of joint fluid in patients undergoing total knee replacement and revision arthroplasty: correlation with flow properties. *Biomaterials*, **2004**, 25, 4433-45	15.6	102

137	Collagen-based matrices with axially oriented pores. *Journal of Biomedical Materials Research - Part A*, **2008**, 85, 757-67	5.4	98
136	Surface-mediated bone tissue morphogenesis from tunable nanolayered implant coatings. *Science Translational Medicine*, **2013**, 5, 191ra83	17.5	96
135	Anorganic Bovine Bone and Ceramic Analogs of Bone Mineral as Implants to Facilitate Bone Regeneration. *Clinics in Plastic Surgery*, **1994**, 21, 437-444	3	90
134	Collagen-GAG scaffolds grafted onto myocardial infarcts in a rat model: a delivery vehicle for mesenchymal stem cells. *Tissue Engineering*, **2006**, 12, 2467-78		88
133	Rheology of joint fluid in total knee arthroplasty patients. *Journal of Orthopaedic Research*, **2002**, 20, 1157-63	3.8	84
132	Calcification of axons in experimental spinal cord trauma. *Annals of Neurology*, **1977**, 2, 520-3	9.4	83
131	Quantitative characterization of cells at the interface of long-term implants of selected polymers. *Journal of Biomedical Materials Research Part B*, **1986**, 20, 653-66		82
130	The effect of injectable gelatin-hydroxyphenylpropionic acid hydrogel matrices on the proliferation, migration, differentiation and oxidative stress resistance of adult neural stem cells. *Biomaterials*, **2012**, 33, 3446-55	15.6	80
129	Formation of lung alveolar-like structures in collagen-glycosaminoglycan scaffolds in vitro. *Tissue Engineering*, **2005**, 11, 1436-48		74
128	Genetically enhanced engineering of meniscus tissue using ex vivo delivery of transforming growth factor-beta 1 complementary deoxyribonucleic acid. *Tissue Engineering*, **2007**, 13, 2227-37		71
127	Scaffold-based articular cartilage repair. *IEEE Engineering in Medicine and Biology Magazine*, **2003**, 22, 42-50		70
126	Cationic carbon quantum dots derived from alginate for gene delivery: One-step synthesis and cellular uptake. *Acta Biomaterialia*, **2016**, 42, 209-219	10.8	67
125	Cellular senescence in aging and osteoarthritis. *Monthly Notices of the Royal Astronomical Society: Letters*, **2016**, 87, 6-14	4.3	66
124	Regional variations in certain cellular characteristics in human lumbar intervertebral discs, including the presence of alpha-smooth muscle actin. *Journal of Orthopaedic Research*, **2001**, 19, 597-604	3.8	65
123	Injectable Collagen□Genipin Gel for the Treatment of Spinal Cord Injury: In Vitro Studies. *Advanced Functional Materials*, **2011**, 21, 4788-4797	15.6	64
122	Novel Magnetic Hydroxyapatite Nanoparticles as Non-Viral Vectors for the Glial Cell Line-Derived Neurotrophic Factor Gene. *Advanced Functional Materials*, **2010**, 20, 67-77	15.6	64
121	The reparative response to cross-linked collagen-based scaffolds in a rat spinal cord gap model. *Biomaterials*, **2012**, 33, 2050-9	15.6	60
120	Bone bonding to hydroxyapatite and titanium surfaces on femoral stems retrieved from human subjects at autopsy. *Biomaterials*, **2004**, 25, 5199-208	15.6	60

119	Cross-linking affects cellular condensation and chondrogenesis in type II collagen-GAG scaffolds seeded with bone marrow-derived mesenchymal stem cells. *Journal of Orthopaedic Research*, **2010**, 28, 1184-92	3.8	59
118	Connective tissue response to tubular implants for peripheral nerve regeneration: the role of myofibroblasts. *Journal of Comparative Neurology*, **2000**, 417, 415-30	3.4	59
117	Lubricin distribution in the goat infraspinatus tendon: a basis for interfascicular lubrication. *Journal of Bone and Joint Surgery - Series A*, **2008**, 90, 803-14	5.6	56
116	Translation from research to applications. *Tissue Engineering*, **2006**, 12, 3341-64		56
115	An experimental test of stroke recovery by implanting a hyaluronic acid hydrogel carrying a Nogo receptor antibody in a rat model. *Biomedical Materials (Bristol)*, **2007**, 2, 233-40	3.5	52
114	Biomaterial-mediated delivery of microenvironmental cues for repair and regeneration of articular cartilage. *Molecular Pharmaceutics*, **2011**, 8, 994-1001	5.6	51
113	Photoluminescent Cationic Carbon Dots as efficient Non-Viral Delivery of Plasmid SOX9 and Chondrogenesis of Fibroblasts. *Scientific Reports*, **2018**, 8, 7057	4.9	50
112	Chemotactic recruitment of adult neural progenitor cells into multifunctional hydrogels providing sustained SDF-1α release and compatible structural support. *FASEB Journal*, **2013**, 27, 1023-33	0.9	50
111	Astrocyte infiltration into injectable collagen-based hydrogels containing FGF-2 to treat spinal cord injury. *Biomaterials*, **2013**, 34, 3591-602	15.6	49
110	Proteoglycans synthesized by canine intervertebral disc cells grown in a type I collagen-glycosaminoglycan matrix. *Tissue Engineering*, **2002**, 8, 1037-47		49
109	Fabrication and characterization of porous hyaluronic acid-collagen composite scaffolds. *Journal of Biomedical Materials Research - Part A*, **2007**, 82, 323-35	5.4	46
108	Contractile forces generated by articular chondrocytes in collagen-glycosaminoglycan matrices. *Biomaterials*, **2004**, 25, 1299-308	15.6	46
107	The John Charnley Award Paper. The role of joint fluid in the tribology of total joint arthroplasty. *Clinical Orthopaedics and Related Research*, **2004**, 17-32	2.2	46
106	Musculoskeletal connective tissue cells with muscle: expression of muscle actin in and contraction of fibroblasts, chondrocytes, and osteoblasts. *Wound Repair and Regeneration*, **2001**, 9, 11-8	3.6	45
105	Connective tissue orientation around dental implants in a canine model. *Clinical Oral Implants Research*, **2001**, 12, 433-40	4.8	45
104	Non-viral endostatin plasmid transfection of mesenchymal stem cells via collagen scaffolds. *Biomaterials*, **2009**, 30, 1222-31	15.6	41
103	Healing of defects in canine articular cartilage: distribution of nonvascular alpha-smooth muscle actin-containing cells. *Wound Repair and Regeneration*, **2000**, 8, 145-58	3.6	41
102	Lapine and canine bone marrow stromal cells contain smooth muscle actin and contract a collagen-glycosaminoglycan matrix. *Tissue Engineering*, **2001**, 7, 829-41		41

101	Biomaterials-based tissue engineering and regenerative medicine solutions to musculoskeletal problems. *Swiss Medical Weekly*, **2006**, 136, 293-301	3.1	41
100	Clinical application of extracorporeal shock wave therapy in orthopedics: focused versus unfocused shock waves. *Ultrasound in Medicine and Biology*, **2012**, 38, 1673-80	3.5	39
99	Cell outgrowth from the human ACL in vitro: regional variation and response to TGF-beta1. *Journal of Orthopaedic Research*, **2002**, 20, 875-80	3.8	39
98	Scaffolds for central nervous system tissue engineering. *Frontiers of Materials Science*, **2012**, 6, 1-25	2.5	36
97	Cell Seeding Densities in Autologous Chondrocyte Implantation Techniques for Cartilage Repair. *Cartilage*, **2012**, 3, 108-17	3	36
96	Delivery of plasmid IGF-1 to chondrocytes via cationized gelatin nanoparticles. *Journal of Biomedical Materials Research - Part A*, **2008**, 84, 73-83	5.4	36
95	Outgrowth of chondrocytes from human articular cartilage explants and expression of alpha-smooth muscle actin. *Wound Repair and Regeneration*, **2000**, 8, 383-91	3.6	35
94	Implantation of a collagen scaffold seeded with adult rat hippocampal progenitors in a rat model of penetrating brain injury. *Journal of Neuroscience Methods*, **2012**, 209, 199-211	3	34
93	Incorporation of hyaluronic acid into collagen scaffolds for the control of chondrocyte-mediated contraction and chondrogenesis. *Biomedical Materials (Bristol)*, **2007**, 2, S135-41	3.5	34
92	Endogenous regeneration: Engineering growth factors for stroke. *Neurochemistry International*, **2017**, 107, 57-65	4.4	33
91	Cartilaginous deposits in subchondral bone in regions of exposed bone in osteoarthritis of the human knee: histomorphometric study of PRG4 distribution in osteoarthritic cartilage. *Journal of Orthopaedic Research*, **2007**, 25, 873-83	3.8	32
90	Periosteum stimulates subchondral bone densification in autologous chondrocyte transplantation in a sheep model. *Cell and Tissue Research*, **2005**, 319, 133-42	4.2	31
89	Collagen scaffolds incorporating select therapeutic agents to facilitate a reparative response in a standardized hemiresection defect in the rat spinal cord. *Tissue Engineering - Part A*, **2012**, 18, 2158-72	3.9	30
88	Porphyra polysaccharide-derived carbon dots for non-viral co-delivery of different gene combinations and neuronal differentiation of ectodermal mesenchymal stem cells. *Nanoscale*, **2017** , 9, 10820-10831	7.7	29
87	Distribution of Basement Membrane Molecules, Laminin and Collagen Type IV, in Normal and Degenerated Cartilage Tissues. *Cartilage*, **2014**, 5, 123-32	3	29
86	Lubricin distribution in the human intervertebral disc. *Journal of Bone and Joint Surgery - Series A*, **2009**, 91, 2205-12	5.6	29
85	Comparison of three types of chondrocytes in collagen scaffolds for cartilage tissue engineering. *Biomedical Materials (Bristol)*, **2009**, 4, 045012	3.5	29
84	Canine chondrocytes seeded in type I and type II collagen implants investigated In Vitro **1997**, 38, 95		27

83	The presence and distribution of lubricin in the caprine intervertebral disc. *Journal of Orthopaedic Research*, **2008**, 26, 1398-406	3.8	26
82	Plasmid size influences chitosan nanoparticle mediated gene transfer to chondrocytes. *Journal of Biomedical Materials Research - Part A*, **2008**, 84, 1038-48	5.4	26
81	Non-viral delivery of the gene for glial cell line-derived neurotrophic factor to mesenchymal stem cells in vitro via a collagen scaffold. *Tissue Engineering - Part C: Methods*, **2008**, 14, 207-19	2.9	25
80	Injectable biomaterials: a perspective on the next wave of injectable therapeutics. *Biomedical Materials (Bristol)*, **2016**, 11, 014110	3.5	23
79	Basement membrane molecule expression attendant to chondrogenesis by nucleus pulposus cells and mesenchymal stem cells. *Journal of Orthopaedic Research*, **2013**, 31, 1136-43	3.8	23
78	Engineering endostatin-producing cartilaginous constructs for cartilage repair using nonviral transfection of chondrocyte-seeded and mesenchymal-stem-cell-seeded collagen scaffolds. *Tissue Engineering - Part A*, **2010**, 16, 3011-21	3.9	23
77	Characteristics of Articular Chondrocytes Seeded in Collagen Matrices in Vitro. *Tissue Engineering*, **1998**, 4, 175-183		23
76	EMSCs Build an All-in-One Niche via Cell-Cell Lipid Raft Assembly for Promoted Neuronal but Suppressed Astroglial Differentiation of Neural Stem Cells. *Advanced Materials*, **2019**, 31, e1806861	24	22
75	Extracorporeal shockwave-induced expression of lubricin in tendons and septa. *Cell and Tissue Research*, **2011**, 346, 255-62	4.2	22
74	Chondrogenic differentiation of adult mesenchymal stem cells and embryonic cells in collagen scaffolds. *Journal of Biomedical Materials Research - Part A*, **2011**, 99, 275-82	5.4	21
73	The use of extracorporeal shock wave-stimulated periosteal cells for orthotopic bone generation. *Tissue Engineering - Part A*, **2012**, 18, 1500-8	3.9	21
72	Association of fibroblast orientation around titanium in vitro with expression of a muscle actin. *Biomaterials*, **2000**, 21, 1887-96	15.6	21
71	Biomaterials for Enhancing CNS Repair. *Translational Stroke Research*, **2017**, 8, 57-64	7.8	20
70	No effect of topical application of tranexamic acid on articular cartilage. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2019**, 27, 931-935	5.5	19
69	A Stereological Method for the Quantitative Evaluation of Cartilage Repair Tissue. *Cartilage*, **2015**, 6, 123-32	3	18
68	Viscoelastic characterization of rat cerebral cortex and type I collagen scaffolds for central nervous system tissue engineering. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012**, 12, 63-73	4.1	18
67	Tissue-engineered cartilaginous constructs for the treatment of caprine cartilage defects, including distribution of laminin and type IV collagen. *Tissue Engineering - Part A*, **2013**, 19, 2267-74	3.9	16
66	Hydrogel-Based Therapy for Brain Repair After Intracerebral Hemorrhage. *Translational Stroke Research*, **2020**, 11, 412-417	7.8	16

65	In Situ Cross-linking Hydrogel as a Vehicle for Retinal Progenitor Cell Transplantation. *Cell Transplantation*, **2019**, 28, 596-606	4	15
64	Extracorporeal shock wave-induced proliferation of periosteal cells. *Journal of Orthopaedic Research*, **2011**, 29, 1536-43	3.8	15
63	Lubricin distribution in the torn human anterior cruciate ligament and meniscus. *Journal of Orthopaedic Research*, **2011**, 29, 1916-22	3.8	15
62	Contractile actin expression in torn human menisci. *Wound Repair and Regeneration*, **2002**, 10, 259-66	3.6	15
61	Distribution of lubricin in the ruptured human rotator cuff and biceps tendon: a pilot study. *Clinical Orthopaedics and Related Research*, **2010**, 468, 1588-99	2.2	14
60	Chondrogenic differentiation and lubricin expression of caprine infraspinatus tendon cells. *Journal of Orthopaedic Research*, **2010**, 28, 716-25	3.8	14
59	Quantitation of osteoblast-like cell mineralization on tissue culture polystyrene and Ti-6Al-4V alloy disks by Tc-99m-MDP labeling and imaging in vitro. *Bone*, **2005**, 36, 84-92	4.7	14
58	Engineering endostatin-expressing cartilaginous constructs using injectable biopolymer hydrogels. *Acta Biomaterialia*, **2012**, 8, 2203-12	10.8	13
57	The Long-Term Clinical Outcomes Following Autogenous Bone Grafting for Large-Volume Defects of the Knee: 12- to 21-Year Follow-Up. *Cartilage*, **2014**, 5, 86-96	3	12
56	Collagen Type IV and Laminin Expressions during Cartilage Repair and in Late Clinically Failed Repair Tissues from Human Subjects. *Cartilage*, **2016**, 7, 52-61	3	12
55	Characterization of a bilateral penetrating brain injury in rats and evaluation of a collagen biomaterial for potential treatment. *Journal of Neurotrauma*, **2012**, 29, 2086-102	5.4	11
54	A Novel Three-Dimensional Culture System for Oligodendrocyte Precursor Cells. *Stem Cells and Development*, **2017**, 26, 1078-1085	4.4	10
53	Contact Area as a Critical Determinant in the Tribology Of Metal-on-Polyethylene Total Joint Arthroplasty. *Journal of Tribology*, **2006**, 128, 113-121	1.8	10
52	Testing Biomaterials **1996**, 215-242		10
51	Presence and distribution of the lubricating protein, lubricin, in the meibomian gland in rabbits. *Molecular Vision*, **2011**, 17, 3055-61	2.3	10
50	Ectoderm mesenchymal stem cells promote differentiation and maturation of oligodendrocyte precursor cells. *Biochemical and Biophysical Research Communications*, **2016**, 480, 727-733	3.4	10
49	Promoting Neuro-Supportive Properties of Astrocytes with Epidermal Growth Factor Hydrogels. *Stem Cells Translational Medicine*, **2019**, 8, 1242-1248	6.9	9
48	Status of articular cartilage tissue engineering. *Current Opinion in Orthopaedics*, **1998**, 9, 88-94		9

47	Fracture of human dentin: a high resolution scanning electron microscope study. *Journal of Dental Research*, **1976**, 55, 1136	8.1	9
46	Exploiting Stem Cell-Extracellular Matrix Interactions for Cartilage Regeneration: A Focus on Basement Membrane Molecules. *Current Stem Cell Research and Therapy*, **2016**, 11, 618-625	3.6	8
45	Treatment of penetrating brain injury in a rat model using collagen scaffolds incorporating soluble Nogo receptor. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 137-50	4.4	7
44	Isolation and in vitro proliferation of chondrocytes, tenocytes, and ligament cells. *Methods in Molecular Medicine*, **1999**, 18, 195-203		7
43	Injectable gelatin hydroxyphenyl propionic acid hydrogel protects human retinal progenitor cells (hRPCs) from shear stress applied during small-bore needle injection. *Applied Materials Today*, **2020** , 19, 100602	6.6	6
42	Alpha-smooth muscle actin in pathological human disc nucleus pulposus cells in vivo and in vitro. *Wound Repair and Regeneration*, **2004**, 12, 430-8	3.6	6
41	Extracorporeal Shock Wave Stimulates Angiogenesis and Collagen Production in Facial Soft Tissue. *Journal of Surgical Research*, **2020**, 245, 483-491	2.5	6
40	Biomaterials for Stroke Therapy. *Stroke*, **2019**, 50, 2278-2284	6.7	5
39	The pathology of the end-stage osteoarthritic lesion of the knee: potential role in cartilage repair. *Knee*, **2011**, 18, 402-6	2.6	5
38	Tc-Methyl-Diphosphonate Binding to Mineral Deposits in Cultures of Marrow-Derived Mesenchymal Stem Cells in Osteogenic Medium. *Tissue Engineering - Part C: Methods*, **2019**, 25, 49-57	2.9	5
37	Lubricin Distribution in the Menisci and Labra of Human Osteoarthritic Joints. *Cartilage*, **2012**, 3, 165-72	3	4
36	The effects of shock wave stimulation of mesenchymal stem cells on proliferation, migration, and differentiation in an injectable gelatin matrix for osteogenic regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2020**, 14, 1630-1640	4.4	4
35	Controlling Growth Factor Diffusion by Modulating Water Content in Injectable Hydrogels. *Tissue Engineering - Part A*, **2021**, 27, 714-723	3.9	4
34	Biomaterials-based tissue engineering and regenerative medicine solutions to musculoskeletal problems. *Swiss Medical Weekly*, **2007**, 137 Suppl 155, 157S-165S	3.1	4
33	The New Microfracture: All Things Considered. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2015**, 31, 1028-31	5.4	3
32	Lubricin in human breast tissue expander capsules. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2012**, 100, 1961-9	3.5	3
31	alpha-Smooth muscle actin-expressing cells and lubricin in periprosthetic tissue. *Journal of Biomedical Materials Research - Part A*, **2010**, 93, 515-27	5.4	3
30	A bioinspired gelatin-hyaluronic acid-based hybrid interpenetrating network for the enhancement of retinal ganglion cells replacement therapy.. *Npj Regenerative Medicine*, **2021**, 6, 85	15.8	3

29	Lubricin and smooth muscle α-actin-containing myofibroblasts in the pseudomembranes around loose hip and knee prostheses. *Acta Biomaterialia*, **2013**, 9, 5751-8	10.8	2
28	Effects of PDGF-BB and OP-1 on mesenchymal stem cells in a porous mineral block. *International Journal of Periodontics and Restorative Dentistry*, **2013**, 33, e72-8	2.1	2
27	The Biological Response following Autogenous Bone Grafting for Large-Volume Defects of the Knee: Index Surgery through 12 to 21 YearsSFollow-up. *Cartilage*, **2012**, 3, 86-99	3	2
26	Biomaterials: taming the beast. *Journal of Biomedical Materials Research Part B*, **1992**, 26, 1-5		2
25	Translational relevance of the goat as a preclinical model of the human labrum and chondrolabral junction-histological study. *Journal of Orthopaedic Research*, **2020**, 38, 1070-1080	3.8	2
24	Tissue Engineering: EMSCs Build an All-in-One Niche via Cell–Cell Lipid Raft Assembly for Promoted Neuronal but Suppressed Astroglial Differentiation of Neural Stem Cells (Adv. Mater. 10/2019). *Advanced Materials*, **2019**, 31, 1970069	24	1
23	An interview with Joyce Y Wong: ensuring all voices in biomaterials community are heard. *Biomedical Materials (Bristol)*, **2019**, 14, 030201	3.5	1
22	Articular Cartilage **2011**, 761-777		1
21	Articular Cartilage **2008**, 766-781		1
20	Ideas and inspiration: a remembrance of Philip J Boyne, DMD, MS, DSc. *Biomedical Materials (Bristol)*, **2008**, 3, 030401	3.5	1
19	Biocompatibility of Materials **2006**,		1
18	Effects of Cross-linking Type II Collagen-GAG Scaffolds on Chondrogenesis In Vitro: Dynamic Pore Reduction Promotes Cartilage Formation. *Tissue Engineering*, **2006**, 060519064955001		1
17	Outgrowth of chondrocytes from human articular cartilage explants and expression of α-smooth muscle actin **2000**, 8, 383		1
16	Platelet-Derived Growth Factor Stimulated Migration of Bone Marrow Mesenchymal Stem Cells into an Injectable Gelatin-Hydroxyphenyl Propionic Acid Matrix. *Biomedicines*, **2021**, 9,	4.8	1
15	An Injectable Multifunctional Dual-Phase Bead-Reinforced Gelatin Matrix Permissive of Mesenchymal Stem Cell Infiltration for Musculoskeletal Soft Tissue Repair. *Advanced Healthcare Materials*, **2021**, 10, e2100626	10.1	0
14	The CEO as a medical device ‘translator’: a remembrance of Peter Geistlich, PhD. *Biomedical Materials (Bristol)*, **2014**, 9, 050401	3.5	
13	Biomedical materials and 2013. *Biomedical Materials (Bristol)*, **2013**, 8, 020201	3.5	
12	A glimpse of tissue engineering in China. *Tissue Engineering*, **2002**, 8, 169-74		

11 Mesenchymal Cell Culture **2002**, 317-331

10 Cell-Based Therapies for the Treatment of Articular Cartilage Injury **2002**, 1059-1073

9 Tissue Engineering of Tendons and Ligaments **2005**, 385-411

8 Collagen?GAG Scaffolds Grafted onto Myocardial Infarcts in a Rat Model: A Delivery Vehicle for Mesenchymal Stem Cells. *Tissue Engineering*, **2006**, 060913044658014

7 An interview with Roland (Roli) Peter Jakob, M.D.: biomaterials for orthoregeneration. *Biomedical Materials (Bristol)*, **2020**, 16, 010201 3.5

6 Tissue Engineering of Musculoskeletal Tissue **2011**, 597-624

5 Tissue Ingrowth in Resorbable Porous Tissue Scaffolds. *Ceramic Engineering and Science Proceedings*,25-35 3.1

4 Biomaterials for CNS Injury **2014**, 333-352

3 Observation of Collagen-Containing Lesions After Hematoma Resolution in Intracerebral Hemorrhage. *Stroke*, **2021**, 52, 1856-1860 6.7

2 The living legacy of a biomaterials founder: remembering Samuel F Hulbert, PhD. *Biomedical Materials (Bristol)*, **2016**, 11, 020202 3.5

1 Tendons and Ligaments: Tissue Engineering **2016**, 7789-7807