

# Justin J Cooper-White

## 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.

195  
papers

9,973  
citations

53  
h-index

92  
g-index

212  
ext. papers

11,883  
ext. citations

7  
avg, IF

6.5  
L-index

#	Paper	IF	Citations
195	Biophysical properties of hydrogels for mimicking tumor extracellular matrix <b>2022</b> , 212782		0
194	Single-Cell Transcriptome Profiling Reveals Multicellular Ecosystem of Nucleus Pulposus during Degeneration Progression. <i>Advanced Science</i> , <b>2021</b> , 9, e2103631	13.6	4
193	High-Throughput Routes to Biomaterials Discovery. <i>Chemical Reviews</i> , <b>2021</b> , 121, 10792-10864	68.1	4
192	Translational control of enzyme scavenger expression with toxin-induced micro RNA switches. <i>Scientific Reports</i> , <b>2021</b> , 11, 2462	4.9	1
191	Sintering and biocompatibility of blended elemental Ti-xNb alloys. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 104, 103691	4.1	10
190	Multivariate patterning of human pluripotent cells under perfusion reveals critical roles of induced paracrine factors in kidney organoid development. <i>Science Advances</i> , <b>2020</b> , 6, eaaw2746	14.3	12
189	Characterisation of osteogenic and vascular responses of hMSCs to Ti-Co doped phosphate glass microspheres using a microfluidic perfusion platform. <i>Journal of Tissue Engineering</i> , <b>2020</b> , 11, 2041731420954712	7.5	12
188	Effects of extracellular matrix viscoelasticity on cellular behaviour. <i>Nature</i> , <b>2020</b> , 584, 535-546	50.4	362
187	Biomimetic cues from poly(lactic-co-glycolic acid)/hydroxyapatite nano-fibrous scaffolds drive osteogenic commitment in human mesenchymal stem cells in the absence of osteogenic factor supplements. <i>Biomaterials Science</i> , <b>2020</b> , 8, 5677-5689	7.4	5
186	Five Piconewtons: The Difference between Osteogenic and Adipogenic Fate Choice in Human Mesenchymal Stem Cells. <i>ACS Nano</i> , <b>2019</b> , 13, 11129-11143	16.7	22
185	Combinatorial presentation of cartilage-inspired peptides on nanopatterned surfaces enables directed differentiation of human mesenchymal stem cells towards distinct articular chondrogenic phenotypes. <i>Biomaterials</i> , <b>2019</b> , 210, 105-115	15.6	12
184	Determinants of Zika virus host tropism uncovered by deep mutational scanning. <i>Nature Microbiology</i> , <b>2019</b> , 4, 876-887	26.6	29
183	Photo-induced viscoelasticity in cytocompatible hydrogel substrates. <i>New Journal of Physics</i> , <b>2019</b> , 21, 045004	2.9	14
182	Adaptable boronate ester hydrogels with tunable viscoelastic spectra to probe timescale dependent mechanotransduction. <i>Biomaterials</i> , <b>2019</b> , 223, 119430	15.6	35
181	Tropomyosin Tpm 2.1 loss induces glioblastoma spreading in soft brain-like environments. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 141, 303-313	4.8	4
180	A biocompatible thermoset polymer binder for Direct Ink Writing of porous titanium scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 160-165	8.3	22
179	Modelling ischemia-reperfusion injury (IRI) using metabolically matured induced pluripotent stem cell-derived cardiomyocytes. <i>APL Bioengineering</i> , <b>2018</b> , 2, 026102	6.6	23

178	Encoding Stem-Cell-Secreted Extracellular Matrix Protein Capture in Two and Three Dimensions Using Protein Binding Peptides. <i>Biomacromolecules</i> , <b>2018</b> , 19, 721-730	6.9	7
177	Mechanically-sensitive miRNAs bias human mesenchymal stem cell fate via mTOR signalling. <i>Nature Communications</i> , <b>2018</b> , 9, 257	17.4	63
176	Targeted, Stimuli-Responsive Delivery of Plasmid DNA and miRNAs Using a Facile Self-Assembled Supramolecular Nanoparticle System. <i>Biomacromolecules</i> , <b>2018</b> , 19, 353-363	6.9	19
175	Hydrogels for Directed Stem Cell Differentiation and Tissue Repair. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2018</b> , 73-93	0.6	
174	A Comparison of Two Ovine Lumbar Intervertebral Disc Injury Models for the Evaluation and Development of Novel Regenerative Therapies. <i>Global Spine Journal</i> , <b>2018</b> , 8, 847-859	2.7	3
173	Pushing the Limits of High Throughput PET-RAFT Polymerization. <i>Macromolecules</i> , <b>2018</b> , 51, 7600-7607	5.5	63
172	Local Integrin Activation in Pancreatic $\beta$ Cells Targets Insulin Secretion to the Vasculature. <i>Cell Reports</i> , <b>2018</b> , 24, 2819-2826.e3	10.6	35
171	Accelerated Combinatorial High Throughput Star Polymer Synthesis via a Rapid One-Pot Sequential Aqueous RAFT (rosa-RAFT) Polymerization Scheme. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1600780	4.8	40
170	Microfluidic Screening Reveals Heparan Sulfate Enhances Human Mesenchymal Stem Cell Growth by Modulating Fibroblast Growth Factor-2 Transport. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 1178-1190	6.9	20
169	The focal adhesion targeting domain of p130Cas confers a mechanosensing function. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 1263-1273	5.3	9
168	Electrospinning and mechanical properties of P(TMC-co-LLA) elastomers. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 2263-2272	7.3	8
167	Long-Term Culture of Self-renewing Pancreatic Progenitors Derived from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 1675-1688	8	36
166	Ovine Lumbar Intervertebral Disc Degeneration Model Utilizing a Lateral Retroperitoneal Drill Bit Injury. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	10
165	Visualizing endocytic recycling and trafficking in live neurons by subdiffractive tracking of internalized molecules. <i>Nature Protocols</i> , <b>2017</b> , 12, 2590-2622	18.8	20
164	Tailoring biomaterial scaffolds for osteochondral repair. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 523, 476-489	6.5	29
163	Hierarchical $\beta$ s-Electrospun Self-Assembled Fibrous Scaffolds Deconvolute Impacts of Chemically Defined Extracellular Matrix- and Cell Adhesion-Type Interactions on Stem Cell Haptokinesis. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 1420-1425	6.6	6
162	Fluorescent and Magnetic Mesoporous Hybrid Material: A Chemical and Biological Nanosensor for Hg(2+) Ions. <i>Scientific Reports</i> , <b>2016</b> , 6, 21820	4.9	11
161	Differential response of patient-derived primary glioblastoma cells to environmental stiffness. <i>Scientific Reports</i> , <b>2016</b> , 6, 23353	4.9	50

160	Induction of Human iPSC-Derived Cardiomyocyte Proliferation Revealed by Combinatorial Screening in High Density Microbioreactor Arrays. <i>Scientific Reports</i> , <b>2016</b> , 6, 24637	4.9	41
159	Axon Guidance Studies Using a Microfluidics-Based Chemotropic Gradient Generator. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1407, 273-85	1.4	1
158	Dispersion of hydroxyapatite nanoparticles in solution and in polycaprolactone composite scaffolds. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 409-421	7.3	18
157	Extracellular matrix-specific Caveolin-1 phosphorylation on tyrosine 14 is linked to augmented melanoma metastasis but not tumorigenesis. <i>Oncotarget</i> , <b>2016</b> , 7, 40571-40593	3.3	33
156	A mathematical model explains saturating axon guidance responses to molecular gradients. <i>ELife</i> , <b>2016</b> , 5, e12248	8.9	370
155	Flux of signalling endosomes undergoing axonal retrograde transport is encoded by presynaptic activity and TrkB. <i>Nature Communications</i> , <b>2016</b> , 7, 12976	17.4	41
154	Inertio-elastic mixing in a straight microchannel with side wells. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 014103	3.4	18
153	Impacts of polymer/surfactant interactions on spray drift. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 500, 88-97	5.1	12
152	Poly (glycerol-sebacate) bioelastomers: 2. Synthesis using Brabender Plasticoder <sup>®</sup> as a batch reactor. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	5
151	Control of autophagosome axonal retrograde flux by presynaptic activity unveiled using botulinum neurotoxin type a. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 6179-94	6.6	91
150	Controlling Stem Cell Adhesion, Proliferation, and Differentiation with Layer-by-Layer Films <b>2015</b> , 103-130		
149	Quantitative real time sensing reveals enhanced sensitivity of polar dendrimer thin films for plastic explosive taggants. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9412-9424	7.1	2
148	Hydrolytically degradable polyrotaxane hydrogels for drug and cell delivery applications. <i>Biomacromolecules</i> , <b>2015</b> , 16, 389-403	6.9	23
147	Effects of synthetic biomacromolecule addition on the flow behavior of concentrated mesenchymal cell suspensions. <i>Biomacromolecules</i> , <b>2015</b> , 16, 275-83	6.9	5
146	High-throughput, deterministic single cell trapping and long-term clonal cell culture in microfluidic devices. <i>Lab on A Chip</i> , <b>2015</b> , 15, 1072-83	7.2	67
145	Isolation of contractile cardiomyocytes from human pluripotent stem-cell-derived cardiomyogenic cultures using a human NCX1-EGFP reporter. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 11-20	4.4	15
144	Mode of heparin attachment to nanocrystalline hydroxyapatite affects its interaction with bone morphogenetic protein-2. <i>Biointerphases</i> , <b>2015</b> , 10, 04A308	1.8	11
143	Tensile properties and in vitro degradation of P(TMC-co-LLA) elastomers. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4406-4416	7.3	9

142	High-throughput bone and cartilage micropellet manufacture, followed by assembly of micropellets into biphasic osteochondral tissue. <i>Cell and Tissue Research</i> , <b>2015</b> , 361, 755-68	4.2	19
141	Generating iPSCs: translating cell reprogramming science into scalable and robust biomanufacturing strategies. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 13-7	18	45
140	Use of two-step grafting to fabricate dual-functional films and site-specific functionalized scaffolds. <i>Langmuir</i> , <b>2015</b> , 31, 1746-54	4	13
139	Concise review: tailoring bioengineered scaffolds for stem cell applications in tissue engineering and regenerative medicine. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 156-64	6.9	42
138	Simultaneous visualization of the flow inside and around droplets generated in microchannels. <i>Microfluidics and Nanofluidics</i> , <b>2014</b> , 16, 743-755	2.8	8
137	A rapid and cost-effective method of producing recombinant proBNP and NT-proBNP variants in <i>Escherichia coli</i> for immunoassay of heart failure. <i>Biotechnology Letters</i> , <b>2014</b> , 36, 133-40	3	2
136	Modulation of stem cell adhesion and morphology via facile control over surface presentation of cell adhesion molecules. <i>Biomacromolecules</i> , <b>2014</b> , 15, 43-52	6.9	43
135	Concise review: microfluidic technology platforms: poised to accelerate development and translation of stem cell-derived therapies. <i>Stem Cells Translational Medicine</i> , <b>2014</b> , 3, 81-90	6.9	25
134	Changing ligand number and type within nanocylindrical domains through kinetically constrained self-assembly - impacts of ligand 'redundancy' on human mesenchymal stem cell adhesion and morphology. <i>Biomaterials Science</i> , <b>2014</b> , 2, 1693-705	7.4	13
133	Concise review: new frontiers in microRNA-based tissue regeneration. <i>Stem Cells Translational Medicine</i> , <b>2014</b> , 3, 969-76	6.9	19
132	Derivation of mesenchymal stromal cells from canine induced pluripotent stem cells by inhibition of the TGF $\beta$ /activin signaling pathway. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 3021-33	4.4	29
131	The effect of time-dependent deformation of viscoelastic hydrogels on myogenic induction and Rac1 activity in mesenchymal stem cells. <i>Biomaterials</i> , <b>2014</b> , 35, 1857-68	15.6	127
130	Effects of bound versus soluble pentosan polysulphate in PEG/HA-based hydrogels tailored for intervertebral disc regeneration. <i>Biomaterials</i> , <b>2014</b> , 35, 1150-62	15.6	49
129	Transgenic human ES and iPS reporter cell lines for identification and selection of pluripotent stem cells in vitro. <i>Stem Cell Research</i> , <b>2014</b> , 13, 251-61	1.6	15
128	DNA Methylation at the Novel CpG Sites in the Promoter of MED15/PCQAP Gene as a Biomarker for Head and Neck Cancers. <i>Biomarker Insights</i> , <b>2014</b> , 9, 53-60	3.5	30
127	Metabolic profiling and flux analysis of MEL-2 human embryonic stem cells during exponential growth at physiological and atmospheric oxygen concentrations. <i>PLoS ONE</i> , <b>2014</b> , 9, e112757	3.7	35
126	A novel saliva-based microRNA biomarker panel to detect head and neck cancers. <i>Cellular Oncology (Dordrecht)</i> , <b>2014</b> , 37, 331-8	7.2	96
125	Profiling of immunoglobulins in resting and mechanically stimulated saliva. <i>Bioanalysis</i> , <b>2014</b> , 6, 697-704	2.1	4

124	Poly(glycerol sebacate) bioelastomers: Kinetics of step-growth reactions using Fourier Transform (FT)-Raman spectroscopy. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3980-3986	2.9	21
123	miRNAs in head and neck cancer revisited. <i>Cellular Oncology (Dordrecht)</i> , <b>2013</b> , 36, 1-7	7.2	69
122	Tailorable cell culture platforms from enzymatically cross-linked multifunctional poly(ethylene glycol)-based hydrogels. <i>Biomacromolecules</i> , <b>2013</b> , 14, 413-23	6.9	52
121	Attachment of poly(acrylic acid) to 3-aminopropyltriethoxysilane surface-modified hydroxyapatite. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5842-5852	7.3	29
120	Gelation kinetics and viscoelastic properties of pluronic and cyclodextrin-based pseudopolyrotaxane hydrogels. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3780-92	6.9	42
119	Saliva proteome research: current status and future outlook. <i>Critical Reviews in Biotechnology</i> , <b>2013</b> , 33, 246-59	9.4	95
118	A simple method for fabricating 3-D multilayered composite scaffolds. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 4599-608	6.8	55
117	An injectable hydrogel incorporating mesenchymal precursor cells and pentosan polysulphate for intervertebral disc regeneration. <i>Biomaterials</i> , <b>2013</b> , 34, 9430-40	15.6	108
116	Electrospinning and crosslinking of low-molecular-weight poly(trimethylene carbonate-co-(L)-lactide) as an elastomeric scaffold for vascular engineering. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 6885-97	10.8	61
115	Hyperbranched polymer mediated fabrication of water soluble carbon nanotube-metal nanoparticle hybrids. <i>Nanoscale</i> , <b>2013</b> , 5, 2915-20	7.7	27
114	High-yield RNA-extraction method for saliva. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 1118-22	5.5	35
113	Focal adhesion dynamics are altered in schizophrenia. <i>Biological Psychiatry</i> , <b>2013</b> , 74, 418-26	7.9	50
112	Functionalised polycaprolactone films and 3D scaffolds via gamma irradiation-induced grafting. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4171-4181	7.3	32
111	Facile and controllable incorporation of gold nanoparticles within one-dimensional self-assemblies of hyperbranched polymers. <i>Soft Matter</i> , <b>2013</b> , 9, 5270	3.6	10
110	Effects of cell density and biomacromolecule addition on the flow behavior of concentrated mesenchymal cell suspensions. <i>Biomacromolecules</i> , <b>2013</b> , 14, 4388-97	6.9	23
109	Effects of Varying Heptylamine and Propionaldehyde Plasma Polymerization Parameters on Mesenchymal Stem Cell Attachment. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 19-28	3.4	16
108	Arrayed cellular environments for stem cells and regenerative medicine. <i>Biotechnology Journal</i> , <b>2013</b> , 8, 167-79	5.6	28
107	Quantification of D-dimer levels in human saliva. <i>Bioanalysis</i> , <b>2013</b> , 5, 2249-56	2.1	16

106	Full factorial screening of human embryonic stem cell maintenance with multiplexed microbioreactor arrays. <i>Biotechnology Journal</i> , <b>2013</b> , 8, 822-34	5.6	22
105	Circulating fragments of N-terminal pro-B-type natriuretic peptides in plasma of heart failure patients. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 1523-31	5.5	16
104	The interplay between chondrocyte redifferentiation pellet size and oxygen concentration. <i>PLoS ONE</i> , <b>2013</b> , 8, e58865	3.7	56
103	Microbioreactor array screening of Wnt modulators and microenvironmental factors in osteogenic differentiation of mesenchymal progenitor cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e82931	3.7	12
102	OS0712 Cell migration observation and traction force measurement using multichannel device. <i>The Proceedings of the Materials and Mechanics Conference</i> , <b>2013</b> , 2013, _OS0712-1_-_OS0712-2_	0	
101	Tumor-suppressor Gene Promoter Hypermethylation in Saliva of Head and Neck Cancer Patients. <i>Translational Oncology</i> , <b>2012</b> , 5, 321-6	4.9	79
100	Fabrication of nanopatterned, porous microspheres using a glass capillary microfluidic device. <i>Soft Matter</i> , <b>2012</b> , 8, 10712	3.6	4
99	Evaluation of saliva collection devices for the analysis of proteins. <i>Clinica Chimica Acta</i> , <b>2012</b> , 413, 1066-70	7.2	107
98	The impact of saliva collection and processing methods on CRP, IgE, and Myoglobin immunoassays. <i>Clinical and Translational Medicine</i> , <b>2012</b> , 1, 19	5.7	96
97	Palladium nanoparticles decorated carbon nanotubes: facile synthesis and their applications as highly efficient catalysts for the reduction of 4-nitrophenol. <i>Green Chemistry</i> , <b>2012</b> , 14, 586	10	137
96	A general and efficient method for decorating graphene sheets with metal nanoparticles based on the non-covalently functionalized graphene sheets with hyperbranched polymers. <i>Nanoscale</i> , <b>2012</b> , 4, 1355-61	7.7	37
95	Geometrical effects in microfluidic-based microarrays for rapid, efficient single-cell capture of mammalian stem cells and plant cells. <i>Biomicrofluidics</i> , <b>2012</b> , 6, 24112-2411217	3.2	17
94	Analysis of the extreme diversity of salivary alpha-amylase isoforms generated by physiological proteolysis using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 911, 21-6	3.2	21
93	Development of Defined Culture Conditions for Expansion of Human Mesenchymal Stromal Cells for Clinical Applications. <i>Stem Cells and Cancer Stem Cells</i> , <b>2012</b> , 13-26		1
92	Microbioreactor arrays for full factorial screening of exogenous and paracrine factors in human embryonic stem cell differentiation. <i>PLoS ONE</i> , <b>2012</b> , 7, e52405	3.7	42
91	Microfluidic Elucidation of the Effects of Interfacial Rheology on Droplet Deformation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2021-2029	3.9	10
90	NT-ProBNP levels in saliva and its clinical relevance to heart failure. <i>PLoS ONE</i> , <b>2012</b> , 7, e48452	3.7	35
89	Differential mesengenic potential and expression of stem cell-fate modulators in mesenchymal stromal cells from human-term placenta and bone marrow. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 3234-42	7	32

88	Primitive cardiac cells from human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 1513-23	4.4	68
87	The use of an electrostatic lens to enhance the efficiency of the electrospinning process. <i>Cell and Tissue Research</i> , <b>2012</b> , 347, 815-26	4.2	21
86	Lateral spacing of adhesion peptides influences human mesenchymal stem cell behaviour. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 317-27	5.3	128
85	Formation of multilayered biopolymer microcapsules and microparticles in a multiphase microfluidic flow. <i>Biomicrofluidics</i> , <b>2012</b> , 6, 24125-2412516	3.2	11
84	Generation of a human embryonic stem cell line stably expressing high levels of the fluorescent protein mCherry. <i>World Journal of Stem Cells</i> , <b>2012</b> , 4, 71-9	5.6	10
83	Diagnostic potential of saliva: current state and future applications. <i>Clinical Chemistry</i> , <b>2011</b> , 57, 675-87	5.5	462
82	Cross-linked poly(trimethylene carbonate-co-L-lactide) as a biodegradable, elastomeric scaffold for vascular engineering applications. <i>Biomacromolecules</i> , <b>2011</b> , 12, 3856-69	6.9	57
81	Long-term stability of adipose tissue generated from a vascularized pedicled fat flap inside a chamber. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 127, 2283-2292	2.7	57
80	Tissue-engineered breast reconstruction: bridging the gap toward large-volume tissue engineering in humans. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 128, 1206-1215	2.7	75
79	One-step homogeneous C-reactive protein assay for saliva. <i>Journal of Immunological Methods</i> , <b>2011</b> , 373, 19-25	2.5	85
78	Effects of fluid-fluid interfacial elasticity on droplet formation in microfluidic devices. <i>AICHE Journal</i> , <b>2011</b> , 57, 1669-1677	3.6	29
77	Optimization of flowrate for expansion of human embryonic stem cells in perfusion microbioreactors. <i>Biotechnology and Bioengineering</i> , <b>2011</b> , 108, 2894-904	4.9	46
76	Multilayered microspheres for the controlled release of growth factors in tissue engineering. <i>Biomacromolecules</i> , <b>2011</b> , 12, 1494-503	6.9	45
75	A defined medium and substrate for expansion of human mesenchymal stromal cell progenitors that enriches for osteo- and chondrogenic precursors. <i>Stem Cells and Development</i> , <b>2011</b> , 20, 77-87	4.4	35
74	Increasing electrospun scaffold pore size with tailored collectors for improved cell penetration. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 2544-57	10.8	196
73	Modulation of collagen II fiber formation in 3-D porous scaffold environments. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 2804-16	10.8	8
72	Effects of biomimetic surfaces and oxygen tension on redifferentiation of passaged human fibrochondrocytes in 2D and 3D cultures. <i>Biomaterials</i> , <b>2011</b> , 32, 5600-14	15.6	38
71	The influence of substrate creep on mesenchymal stem cell behaviour and phenotype. <i>Biomaterials</i> , <b>2011</b> , 32, 5979-93	15.6	271

70	Characterisation of amine functionalised poly(3-hydroxybuturate-co-3-hydroxyvalerate) surfaces. <i>Polymer</i> , <b>2011</b> , 52, 3251-3258	3.9	26
69	Effect of geometric challenges on cell migration. <i>Tissue Engineering - Part C: Methods</i> , <b>2011</b> , 17, 999-1010	2.9	13
68	A microdevice for the creation of patent, three-dimensional endothelial cell-based microcirculatory networks. <i>Biomicrofluidics</i> , <b>2011</b> , 5, 34115-3411514	3.2	17
67	Interactions of meniscal cells with extracellular matrix molecules: towards the generation of tissue engineered menisci. <i>Cell Adhesion and Migration</i> , <b>2011</b> , 5, 220-6	3.2	19
66	Electrochemical Quartz Crystal Microbalance to Monitor Biofilm Growth and Properties during BioElectrochemical System Inoculation and Load Conditions. <i>ECS Transactions</i> , <b>2010</b> , 28, 11-22	1	4
65	Membrane bioreactors enhance microenvironmental conditioning and tissue development. <i>Tissue Engineering - Part C: Methods</i> , <b>2010</b> , 16, 407-15	2.9	7
64	Modeling the adhesion of human embryonic stem cells to poly(lactic-co-glycolic acid) surfaces in a 3D environment. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 683-92	5.4	9
63	Enhanced chondrogenic differentiation of human bone marrow-derived mesenchymal stem cells in low oxygen environment micropellet cultures. <i>Cell Transplantation</i> , <b>2010</b> , 19, 29-42	4	165
62	Defined high protein content surfaces for stem cell culture. <i>Biomaterials</i> , <b>2010</b> , 31, 5137-42	15.6	31
61	A synthetic elastomer based on acrylated polypropylene glycol triol with tunable modulus for tissue engineering applications. <i>Biomaterials</i> , <b>2010</b> , 31, 7937-47	15.6	14
60	Aligned poly(L-lactic-co-e-caprolactone) electrospun microfibers and knitted structure: a novel composite scaffold for ligament tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 94, 1270-82	5.4	36
59	The importance of downstream events in microfluidic viscoelastic entry flows: Consequences of increasing the constriction length. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2010</b> , 165, 1189-1203	2.7	33
58	Hierarchical scaffolds via combined macro- and micro-phase separation. <i>Biomaterials</i> , <b>2010</b> , 31, 641-7	15.6	52
57	Interactions between meniscal cells and a self assembled biomimetic surface composed of hyaluronic acid, chitosan and meniscal extracellular matrix molecules. <i>Biomaterials</i> , <b>2010</b> , 31, 6104-18	15.6	32
56	Long term culture of human embryonic stem cells on recombinant vitronectin in ascorbate free media. <i>Biomaterials</i> , <b>2010</b> , 31, 8281-8	15.6	75
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