

Kevin M Shakesheff

List of Publications by Year in descending order

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242
papers

17,805
citations

13332

70
h-index

19470

122
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248
all docs

248
docs citations

248
times ranked

22673
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing topographically textured microparticles for induction and modulation of osteogenesis in mesenchymal stem cell engineering. <i>Biomaterials</i> , 2021, 266, 120450.	5.7	27
2	Fibroblast growth factor 7 releasing particles enhance islet engraftment and improve metabolic control following islet transplantation in mice with diabetes. <i>American Journal of Transplantation</i> , 2021, 21, 2950-2963.	2.6	12
3	Localized Induction of Gene Expression in Embryonic Stem Cell Aggregates Using Holographic Optical Tweezers to Create Biochemical Gradients. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 251-261.	1.6	1
4	Multi-material 3D bioprinting of porous constructs for cartilage regeneration. <i>Materials Science and Engineering C</i> , 2020, 109, 110578.	3.8	76
5	Enhanced Cellular Transduction of Nanoparticles Resistant to Rapidly Forming Plasma Protein Coronas. <i>Advanced Biology</i> , 2020, 4, e2000162.	3.0	8
6	Magnetic Retrieval of Encapsulated Beta Cell Transplants from Diabetic Mice Using Dual-Function MRI Visible and Retrievable Microcapsules. <i>Advanced Materials</i> , 2020, 32, e1904502.	11.1	15
7	Targeted protein delivery: carbodiimide crosslinking influences protein release from microparticles incorporated within collagen scaffolds. <i>International Journal of Energy Production and Management</i> , 2019, 6, 279-287.	1.9	6
8	Highly versatile cell-penetrating peptide loaded scaffold for efficient and localised gene delivery to multiple cell types: From development to application in tissue engineering. <i>Biomaterials</i> , 2019, 216, 119277.	5.7	51
9	Overall Survival in Malignant Glioma Is Significantly Prolonged by Neurosurgical Delivery of Etoposide and Temozolomide from a Thermo-Responsive Biodegradable Paste. <i>Clinical Cancer Research</i> , 2019, 25, 5094-5106.	3.2	32
10	Three-Dimensional Printed Scaffolds with Controlled Micro-/Nanoporous Surface Topography Direct Chondrogenic and Osteogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18896-18906.	4.0	60
11	Microparticles for controlled growth differentiation factor 6 delivery to direct adipose stem cell-based nucleus pulposus regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1406-1417.	1.3	20
12	Overall survival in an orthotopic GBM model is significantly prolonged by neurosurgical delivery of PLGA/PEG interstitial chemotherapy. <i>Neuro-Oncology</i> , 2018, 20, i6-i6.	0.6	0
13	Bone extracellular matrix hydrogel enhances osteogenic differentiation of C2C12 myoblasts and mouse primary calvarial cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 900-908.	1.6	36
14	Direct three-dimensional printing of polymeric scaffolds with nanofibrous topography. <i>Biofabrication</i> , 2018, 10, 025002.	3.7	27
15	Improved delivery of PLGA microparticles and microparticle-cell scaffolds in clinical needle gauges using modified viscosity formulations. <i>International Journal of Pharmaceutics</i> , 2018, 546, 272-278.	2.6	11
16	PEGylated enhanced cell penetrating peptide nanoparticles for lung gene therapy. <i>Journal of Controlled Release</i> , 2018, 285, 35-45.	4.8	150
17	Post-Modified Polypeptides with UCST-Type Behavior for Control of Cell Attachment in Physiological Conditions. <i>Materials</i> , 2018, 11, 95.	1.3	9
18	A biomaterials approach to influence stem cell fate in injectable cell-based therapies. <i>Stem Cell Research and Therapy</i> , 2018, 9, 39.	2.4	28

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19	Bioprinting Using Mechanically Robust Core-Shell Cell-Laden Hydrogel Strands. <i>Macromolecular Bioscience</i> , 2017, 17, 1600472.	2.1	49
20	Surface modification of PDLGA microspheres with gelatine methacrylate: Evaluation of adsorption, entrapment, and oxygen plasma treatment approaches. <i>Acta Biomaterialia</i> , 2017, 53, 450-459.	4.1	20
21	Upper critical solution temperature thermo-responsive polymer brushes and a mechanism for controlled cell attachment. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4926-4933.	2.9	48
22	Decellularized bone extracellular matrix and human dental pulp stem cells as a construct for bone regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 730-748.	1.9	77
23	Translational considerations in injectable cell-based therapeutics for neurological applications: concepts, progress and challenges. <i>Npj Regenerative Medicine</i> , 2017, 2, 23.	2.5	117
24	Extracellular matrix-derived hydrogels for dental stem cell delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 319-328.	2.1	28
25	Recent Advances in Tissue Engineering. <i>Journal of Long-Term Effects of Medical Implants</i> , 2017, 27, 199-231.	0.2	19
26	Microparticles for Sustained Growth Factor Delivery in the Regeneration of Critically-Sized Segmental Tibial Bone Defects. <i>Materials</i> , 2016, 9, 259.	1.3	25
27	Odontogenic Differentiation of Human Dental Pulp Stem Cells on Hydrogel Scaffolds Derived from Decellularized Bone Extracellular Matrix and Collagen Type I. <i>PLoS ONE</i> , 2016, 11, e0148225.	1.1	114
28	The Application of Cryogenic Focused Ion Beam Scanning Electron Microscopy to Hydrogel Characterization.. <i>Microscopy and Microanalysis</i> , 2016, 22, 192-193.	0.2	2
29	A Detailed Assessment of Varying Ejection Rate on Delivery Efficiency of Mesenchymal Stem Cells Using Narrow-Bore Needles. <i>Stem Cells Translational Medicine</i> , 2016, 5, 366-378.	1.6	24
30	Highly efficient intracellular transduction in three-dimensional gradients for programming cell fate. <i>Acta Biomaterialia</i> , 2016, 41, 181-192.	4.1	22
31	Highly efficient delivery of functional cargoes by the synergistic effect of GAG binding motifs and cell-penetrating peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E291-9.	3.3	88
32	Thermoresponsive magnetic colloidal gels via surface-initiated polymerisation from functional microparticles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 962-972.	2.9	5
33	Characterisation of the surface structure of 3D printed scaffolds for cell infiltration and surgical suturing. <i>Biofabrication</i> , 2016, 8, 015016.	3.7	37
34	In Vivo Assessment of Bone Regeneration in Alginate/Bone ECM Hydrogels with Incorporated Skeletal Stem Cells and Single Growth Factors. <i>PLoS ONE</i> , 2015, 10, e0145080.	1.1	67
35	Precision Assembly of Complex Cellular Microenvironments using Holographic Optical Tweezers. <i>Scientific Reports</i> , 2015, 5, 8577.	1.6	88
36	Neuralization of mouse embryonic stem cells in alginate hydrogels under retinoic acid and SAG treatment. , 2015, 2015, 3525-8.		3

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37	The effect of injection using narrow-bore needles on mammalian cells: administration and formulation considerations for cell therapies. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 640-650.	1.2	70
38	Serum protein layers on parylene-C and silicon oxide: Effect on cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 169-177.	2.5	24
39	Evaluation of nanostructure and microstructure of bone regenerated by BMP-2 porous scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2998-3011.	2.1	10
40	Cell and protein compatible 3D bioprinting of mechanically strong constructs for bone repair. <i>Biofabrication</i> , 2015, 7, 035004.	3.7	94
41	An automated fabrication strategy to create patterned tubular architectures at cell and tissue scales. <i>Biofabrication</i> , 2015, 7, 025003.	3.7	22
42	Evaluation of a Thermoresponsive Polycaprolactone Scaffold for In Vitro Three-Dimensional Stem Cell Differentiation. <i>Tissue Engineering - Part A</i> , 2015, 21, 310-319.	1.6	12
43	A Thermoresponsive and Magnetic Colloid for 3D Cell Expansion and Reconfiguration. <i>Advanced Materials</i> , 2015, 27, 662-668.	11.1	16
44	The scale-up of a tissue engineered porous hydroxyapatite polymer composite scaffold for use in bone repair: An ovine femoral condyle defect study. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1346-1356.	2.1	14
45	Dental pulp stem cells: function, isolation and applications in regenerative medicine. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1205-1216.	1.3	247
46	The Effects of 1 α , 25-dihydroxyvitamin D3 and Transforming Growth Factor- β 3 on Bone Development in an Ex Vivo Organotypic Culture System of Embryonic Chick Femora. <i>PLoS ONE</i> , 2015, 10, e0121653.	1.1	12
47	Surgical delivery of drug releasing poly(lactic-co-glycolic acid)/poly(ethylene glycol) paste with in vivo effects against glioblastoma. <i>Annals of the Royal College of Surgeons of England</i> , 2014, 96, 495-501.	0.3	11
48	Combined hydrogels that switch human pluripotent stem cells from self-renewal to differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5580-5585.	3.3	67
49	A comparison of polymer and polymer-hydroxyapatite composite tissue engineered scaffolds for use in bone regeneration. An <i>in vitro</i> and <i>in vivo</i> study. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2613-2624.	2.1	47
50	Biocompatibility and enhanced osteogenic differentiation of human mesenchymal stem cells in response to surface engineered poly(d,l-lactic-co-glycolic acid) microparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3872-3882.	2.1	6
51	Controlled release of BMP-2 from a sintered polymer scaffold enhances bone repair in a mouse calvarial defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 59-66.	1.3	86
52	Injectable and porous PLGA microspheres that form highly porous scaffolds at body temperature. <i>Acta Biomaterialia</i> , 2014, 10, 5090-5098.	4.1	94
53	A novel technique for the production of electrospun scaffolds with tailored three-dimensional micro-patterns employing additive manufacturing. <i>Biofabrication</i> , 2014, 6, 035003.	3.7	48
54	Surface engineering of synthetic polymer materials for tissue engineering and regenerative medicine applications. <i>Biomaterials Science</i> , 2014, 2, 1318-1331.	2.6	58

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55	Evaluation of skeletal tissue repair, Part 1: Assessment of novel growth-factor-releasing hydrogels in an ex vivo chick femur defect model. <i>Acta Biomaterialia</i> , 2014, 10, 4186-4196.	4.1	57
56	Remotely Activated Mechanotransduction via Magnetic Nanoparticles Promotes Mineralization Synergistically With Bone Morphogenetic Protein 2: Applications for Injectable Cell Therapy. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1363-1374.	1.6	79
57	Interconnectivity and permeability of supercritical fluid-foamed scaffolds and the effect of their structural properties on cell distribution. <i>Polymer</i> , 2014, 55, 435-444.	1.8	56
58	Evaluation of skeletal tissue repair, Part 2: Enhancement of skeletal tissue repair through dual-growth-factor-releasing hydrogels within an ex vivo chick femur defect model. <i>Acta Biomaterialia</i> , 2014, 10, 4197-4205.	4.1	56
59	A biodegradable antibiotic-impregnated scaffold to prevent osteomyelitis in a contaminated in vivo bone defect model. , 2014, 27, 332-349.		52
60	Tissue engineered bone using select growth factors: A comprehensive review of animal studies and clinical translation studies in man. , 2014, 28, 166-208.		149
61	Hydrogels derived from demineralized and decellularized bone extracellular matrix. <i>Acta Biomaterialia</i> , 2013, 9, 7865-7873.	4.1	224
62	Porous Copolymers of μ -Caprolactone as Scaffolds for Tissue Engineering. <i>Macromolecules</i> , 2013, 46, 8136-8143.	2.2	35
63	Mannan binding lectin-associated serine protease 1 is induced by hepatitis C virus infection and activates human hepatic stellate cells. <i>Clinical and Experimental Immunology</i> , 2013, 174, 265-273.	1.1	25
64	Development of a porous poly(DL-lactic acid-co-glycolic acid)-based scaffold for mastoid air-cell regeneration. <i>Laryngoscope</i> , 2013, 123, 3156-3161.	1.1	9
65	Gelation of microsphere dispersions using a thermally-responsive graft polymer. <i>Journal of Colloid and Interface Science</i> , 2013, 396, 187-196.	5.0	7
66	The osteogenic response of mesenchymal stem cells to an injectable PLGA bone regeneration system. <i>Biomaterials</i> , 2013, 34, 9352-9364.	5.7	43
67	Accelerating protein release from microparticles for regenerative medicine applications. <i>Materials Science and Engineering C</i> , 2013, 33, 2578-2583.	3.8	45
68	Rheological studies of polycaprolactone in supercritical CO ₂ . <i>European Polymer Journal</i> , 2013, 49, 464-470.	2.6	16
69	Delivery of definable number of drug or growth factor loaded poly(dl-lactic acid-co-glycolic acid) microparticles within human embryonic stem cell derived aggregates. <i>Journal of Controlled Release</i> , 2013, 168, 18-27.	4.8	31
70	PLGA/PEG-hydrogel composite scaffolds with controllable mechanical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 648-655.	1.6	49
71	Drug delivery to the ear. <i>Therapeutic Delivery</i> , 2013, 4, 115-124.	1.2	31
72	Hollow Colloidosomes Prepared Using Accelerated Solvent Evaporation. <i>Langmuir</i> , 2013, 29, 13676-13685.	1.6	8

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73	Adjuvant Chemotherapy for Brain Tumors Delivered via a Novel Intra-Cavity Moldable Polymer Matrix. PLoS ONE, 2013, 8, e77435.	1.1	25
74	Gelatin embedding for the preparation of thermoreversible or delicate scaffolds for histological analysis. Biomedical Materials (Bristol), 2013, 8, 041001.	1.7	5
75	3D Cell and Scaffold Patterning Strategies in Tissue Engineering. Recent Patents on Biomedical Engineering, 2013, 6, 3-21.	0.5	16
76	Supercritical Fluid Processing of Materials for Regenerative Medicine. Recent Patents on Regenerative Medicine, 2013, 3, 237-248.	0.4	4
77	Biofilm Eradication With Biodegradable Modified-Release Antibiotic Pellets. JAMA Otolaryngology, 2012, 138, 942.	1.5	20
78	Tissue Engineering in the Development of Replacement Technologies. Advances in Experimental Medicine and Biology, 2012, 745, 47-57.	0.8	5
79	Dynamics of anterior-posterior axis formation in the developing mouse embryo. Nature Communications, 2012, 3, 673.	5.8	86
80	Neo-vascularization of the stroke cavity by implantation of human neural stem cells on VEGF-releasing PLGA microparticles. Biomaterials, 2012, 33, 7435-7446.	5.7	126
81	Early gene regulation of osteogenesis in embryonic stem cells. Integrative Biology (United Kingdom), 2012, 4, 1470.	0.6	4
82	Chemistry of Polymer and Ceramic-Based Injectable Scaffolds and Their Applications in Regenerative Medicine. Chemistry of Materials, 2012, 24, 781-795.	3.2	28
83	Chemical and spatial analysis of protein loaded PLGA microspheres for drug delivery applications. Journal of Controlled Release, 2012, 162, 321-329.	4.8	56
84	The biology of equine mesenchymal stem cells: phenotypic characterization, cell surface markers and multilineage differentiation. Frontiers in Bioscience - Landmark, 2012, 17, 892.	3.0	25
85	Aggregation promotes cell viability, proliferation, and differentiation in an <i>in vitro</i> model of injection cell therapy. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, e61-e73.	1.3	26
86	Viscosity studies of poly(DL-lactic acid) in supercritical CO ₂ . Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1383-1393.	2.4	27
87	An analysis of polymer type and chain length for use as a biological composite graft extender in impaction bone grafting: A mechanical and biocompatibility study. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3211-3219.	2.1	9
88	Supercritical CO ₂ : A Clean and Low Temperature Approach to Blending P _{DL} LA and PEG. Advanced Functional Materials, 2012, 22, 1684-1691.	7.8	31
89	Rapid micropatterning of cell lines and human pluripotent stem cells on elastomeric membranes. Biotechnology and Bioengineering, 2012, 109, 2630-2641.	1.7	19
90	The effect of processing variables on morphological and mechanical properties of supercritical CO ₂ foamed scaffolds for tissue engineering. Acta Biomaterialia, 2012, 8, 61-71.	4.1	101

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91	Supercritical CO2 fluid-foaming of polymers to increase porosity: A method to improve the mechanical and biocompatibility characteristics for use as a potential alternative to allografts in impaction bone grafting?. <i>Acta Biomaterialia</i> , 2012, 8, 1918-1927.	4.1	31
92	Interconnectivity analysis of supercritical CO2-foamed scaffolds. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 106, 139-149.	2.6	17
93	Engineering an in-vitro model of rodent cartilage. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 821-831.	1.2	0
94	Direct Fabrication as a Patient-Targeted Therapeutic in a Clinical Environment. <i>Methods in Molecular Biology</i> , 2012, 868, 327-340.	0.4	4
95	Thermally Triggered Assembly of Cationic Graft Copolymers Containing 2-(2-Methoxyethoxy)ethyl Methacrylate Side Chains. <i>Langmuir</i> , 2011, 27, 13868-13878.	1.6	10
96	Osteogenic Differentiation of Embryonic Stem Cells in 2D and 3D Culture. <i>Methods in Molecular Biology</i> , 2011, 695, 281-308.	0.4	10
97	Directed Differentiation of Human Embryonic Stem Cells to Interrogate the Cardiac Gene Regulatory Network. <i>Molecular Therapy</i> , 2011, 19, 1695-1703.	3.7	46
98	Scaffolds containing growth factors and extracellular matrix induce hepatocyte proliferation and cell migration in normal and regenerating rat liver. <i>Journal of Hepatology</i> , 2011, 54, 279-287.	1.8	60
99	PE-CVD processes improve cell affinity of polymer scaffolds for tissue engineering. <i>Surface and Coatings Technology</i> , 2011, 205, S548-S551.	2.2	25
100	Analysis of sintered polymer scaffolds using concomitant synchrotron computed tomography and in situ mechanical testing. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 2599-2605.	1.7	30
101	Uniform cell colonization of porous 3-D scaffolds achieved using radial control of surface chemistry. <i>Acta Biomaterialia</i> , 2011, 7, 3336-3344.	4.1	37
102	PLGA-Based Microparticles for the Sustained Release of BMP-2. <i>Polymers</i> , 2011, 3, 571-586.	2.0	59
103	Growth factor release from tissue engineering scaffolds. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 1427-1437.	1.2	234
104	Incorporation of proteins within alginate fibre-based scaffolds using a post-fabrication entrapment method. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 895-902.	1.2	8
105	Gene therapy used for tissue engineering applications. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 329-350.	1.2	51
106	Non-local models for the formation of hepatocyte stellate cell aggregates. <i>Journal of Theoretical Biology</i> , 2010, 267, 106-120.	0.8	37
107	Thermally-triggered gelation of PLGA dispersions: Towards an injectable colloidal cell delivery system. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 61-69.	5.0	29
108	Studies on the interactions of CO2 with biodegradable poly(dl-lactic acid) and poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2010, 51, 1425-1431.	1.8	43

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109	Scaffold for tissue engineering fabricated by non-isothermal supercritical carbon dioxide foaming of a highly crystalline polyester. <i>Acta Biomaterialia</i> , 2010, 6, 130-136.	4.1	62
110	The effect of the delivery of vascular endothelial growth factor and bone morphogenic protein-2 to osteoprogenitor cell populations on bone formation. <i>Biomaterials</i> , 2010, 31, 1242-1250.	5.7	214
111	Engineering Embryonic Stem-Cell Aggregation Allows an Enhanced Osteogenic Differentiation In Vitro. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 583-595.	1.1	19
112	The visualisation of vitreous using surface modified poly(lactic-co-glycolic acid) microparticles. <i>British Journal of Ophthalmology</i> , 2010, 94, 648-653.	2.1	3
113	Combination of Injectable Multiple Growth Factorâ€“Releasing Scaffolds and Cell Therapy as an Advanced Modality to Enhance Tissue Neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1897-1904.	1.1	85
114	Label-free molecular imaging of immunological synapses between dendritic and T cells by Raman micro-spectroscopy. <i>Analyst</i> , 2010, 135, 3205.	1.7	32
115	Responsive particulate dispersions for reversible building and deconstruction of 3D cell environments. <i>Soft Matter</i> , 2010, 6, 5037.	1.2	18
116	Laminin and Fibronectin Treatment Leads to Generation of Dendritic Cells with Superior Endocytic Capacity. <i>PLoS ONE</i> , 2010, 5, e10123.	1.1	42
117	Replacing animal models of osteoarthritis with 3â€“dimensional models of articular cartilage and synovium. <i>FASEB Journal</i> , 2010, 24, lb11.	0.2	0
118	Engineering tissue alternatives to animals: applying tissue engineering to basic research and safety testing. <i>Regenerative Medicine</i> , 2009, 4, 579-592.	0.8	33
119	The effect of delivery via narrow-bore needles on mesenchymal cells. <i>Regenerative Medicine</i> , 2009, 4, 49-64.	0.8	55
120	Biodegradable Thermoresponsive Microparticle Dispersions for Injectable Cell Delivery Prepared Using a Singleâ€“Step Process. <i>Advanced Materials</i> , 2009, 21, 1809-1813.	11.1	53
121	Timeâ€“lapsed imaging for inâ€“process evaluation of supercritical fluid processing of tissue engineering scaffolds. <i>Biotechnology Progress</i> , 2009, 25, 1176-1183.	1.3	6
122	Formulations for delivery of therapeutic proteins. <i>Biotechnology Letters</i> , 2009, 31, 1-11.	1.1	49
123	Biocompatibility and osteogenic potential of human fetal femur-derived cells on surface selective laser sintered scaffolds. <i>Acta Biomaterialia</i> , 2009, 5, 2063-2071.	4.1	68
124	Controlled embryoid body formation via surface modification and avidinâ€“biotin cross-linking. <i>Cytotechnology</i> , 2009, 61, 135-144.	0.7	22
125	A Mathematical Model of Liver Cell Aggregation In Vitro. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 906-930.	0.9	28
126	Attachment of stem cells to scaffold particles for intra-cerebral transplantation. <i>Nature Protocols</i> , 2009, 4, 1440-1453.	5.5	75

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127	The support of neural stem cells transplanted into stroke-induced brain cavities by PLGA particles. <i>Biomaterials</i> , 2009, 30, 2985-2994.	5.7	195
128	Thermoresponsive and Photocrosslinkable PEGMEMA-PPGMA-EGDMA Copolymers from a One-Step ATRP Synthesis. <i>Biomacromolecules</i> , 2009, 10, 822-828.	2.6	73
129	Photo-Cross-Linked Hydrogels from Thermoresponsive PEGMEMA-PPGMA-EGDMA Copolymers Containing Multiple Methacrylate Groups: Mechanical Property, Swelling, Protein Release, and Cytotoxicity. <i>Biomacromolecules</i> , 2009, 10, 2895-2903.	2.6	69
130	Manipulation of live mouse embryonic stem cells using holographic optical tweezers. <i>Journal of Modern Optics</i> , 2009, 56, 448-452.	0.6	18
131	Remedi: A Research Consortium Applying Engineering Strategies to Establish Regenerative Medicine as a New Industry. <i>IFMBE Proceedings</i> , 2009, , 2209-2212.	0.2	0
132	A thermoreversible hydrogel as a biosynthetic bandage for corneal wound repair. <i>Biomaterials</i> , 2008, 29, 272-281.	5.7	83
133	Ultrasonic monitoring of foamed polymeric tissue scaffold fabrication. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3071-3080.	1.7	14
134	Sorption and swelling of poly(DL-lactic acid) and poly(lactic-co-glycolic acid) in supercritical CO ₂ : An experimental and modeling study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 483-496.	2.4	67
135	In Situ Gelling Hydrogels Incorporating Microparticles as Drug Delivery Carriers for Regenerative Medicine. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3972-3980.	1.6	43
136	In situ monitoring of 3D in vitro cell aggregation using an optical imaging system. <i>Biotechnology and Bioengineering</i> , 2008, 100, 159-167.	1.7	16
137	The effect of mesenchymal populations and vascular endothelial growth factor delivered from biodegradable polymer scaffolds on bone formation. <i>Biomaterials</i> , 2008, 29, 1892-1900.	5.7	138
138	A supercritical CO ₂ injection system for the production of polymer/mammalian cell composites. <i>Journal of Supercritical Fluids</i> , 2008, 43, 535-541.	1.6	24
139	The application of human bone marrow stromal cells and poly(dl-lactic acid) as a biological bone graft extender in impaction bone grafting. <i>Biomaterials</i> , 2008, 29, 3221-3227.	5.7	44
140	Applications of supercritical CO ₂ in the fabrication of polymer systems for drug delivery and tissue engineering. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 373-387.	6.6	254
141	Tissue engineering: strategies, stem cells and scaffolds. <i>Journal of Anatomy</i> , 2008, 213, 66-72.	0.9	417
142	Controlling protein release from scaffolds using polymer blends and composites. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 82-89.	2.0	53
143	Microparticles as tissue engineering scaffolds: Manufacture, modification and manipulation. <i>Materials Science and Technology</i> , 2008, 24, 1031-1044.	0.8	19
144	Clinical applications of musculoskeletal tissue engineering. <i>British Medical Bulletin</i> , 2008, 86, 7-22.	2.7	39

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145	Poly(ϵ -lactide- ϵ -glycolide) Dispersions Containing Pluronic: from Particle Preparation to Temperature-Triggered Aggregation. <i>Langmuir</i> , 2008, 24, 7761-7768.	1.6	19
146	Image-based characterization of foamed polymeric tissue scaffolds. <i>Biomedical Materials (Bristol)</i> , 2008, 3, 015011.	1.7	35
147	Efficient assessment of the utility of immortalized Fa2N-4 cells for cytochrome P450 (CYP) induction studies using multiplex quantitative reverse transcriptase-polymerase chain reaction (qRT-PCR) and substrate cassette methodologies. <i>Xenobiotica</i> , 2008, 38, 1500-1517.	0.5	24
148	A Brief Introduction to Different Cell Types. , 2008, , 15-41.		0
149	The Intercostal NMJ Assay – A New Alternative to the Conventional LD50 Assay for the Determination of the Therapeutic Potency of Botulinum Toxin Preparations. <i>ATLA Alternatives To Laboratory Animals</i> , 2008, 36, 141-152.	0.7	10
150	Aggregation of Cells Using Biomaterials and Bioreactors. , 2008, , 313-331.		0
151	Direct calculation of Maxwell stress tensor for accurate trajectory prediction during DEP for 2D and 3D structures. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 71-77.	1.3	33
152	Putting the fizz into chemistry: applications of supercritical carbon dioxide in tissue engineering, drug delivery and synthesis of novel block copolymers. <i>Biochemical Society Transactions</i> , 2007, 35, 516-521.	1.6	59
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