

Ruth E Cameron

List of Publications by Year in descending order

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163
papers

6,859
citations

66250

44
h-index

81351

76
g-index

167
all docs

167
docs citations

167
times ranked

9339
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating Drug Release from Short Poly(ethylene glycol) Block Initiated Poly(L-lactide) Di-block Copolymers. <i>Pharmaceutical Research</i> , 2023, 40, 1697-1707.	1.7	2
2	Avoiding artefacts in MicroCT imaging of collagen scaffolds: Effect of phosphotungstic acid (PTA)-staining and crosslink density. <i>Bioactive Materials</i> , 2022, 8, 210-219.	8.6	2
3	The evolution of the structure and mechanical properties of fully bioresorbable polymer-glass composites during degradation. <i>Composites Science and Technology</i> , 2022, 218, 109194.	3.8	4
4	A Mathematical Model of a Valve-Controlled Bioreactor for Platelet Production. <i>Frontiers in Mechanical Engineering</i> , 2022, 8, .	0.8	0
5	Non-linear dissolution mechanisms of sodium calcium phosphate glasses as a function of pH in various aqueous media. <i>Journal of the European Ceramic Society</i> , 2021, 41, 901-911.	2.8	8
6	Modulating hESC-derived cardiomyocyte and endothelial cell function with triple-helical peptides for heart tissue engineering. <i>Biomaterials</i> , 2021, 269, 120612.	5.7	5
7	Collagen Film Activation with Nanoscale IKVAV-Capped Dendrimers for Selective Neural Cell Response. <i>Nanomaterials</i> , 2021, 11, 1157.	1.9	5
8	The 3D Printing of Freestanding PLLA Thin Layers and Improving First Layer Consistency through the Introduction of Sacrificial PVA. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6320.	1.3	3
9	The effects of despeckling filters on pore size measurements in collagen scaffold microCT data. <i>Journal of Microscopy</i> , 2021, 284, 142-156.	0.8	1
10	Tailoring the biofunctionality of collagen biomaterials via tropoelastin incorporation and EDC-crosslinking. <i>Acta Biomaterialia</i> , 2021, 135, 150-163.	4.1	6
11	A technique for improving dispersion within polymer-glass composites using polymer precipitation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104767.	1.5	4
12	Feature importance in multi-dimensional tissue-engineering datasets: Random forest assisted optimization of experimental variables for collagen scaffolds. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	5
13	Collagen scaffolds functionalized with triple-helical peptides support 3D HUVEC culture. <i>International Journal of Energy Production and Management</i> , 2020, 7, 471-482.	1.9	11
14	Natural Biomaterials for Cardiac Tissue Engineering: A Highly Biocompatible Solution. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 554597.	1.1	74
15	MicroCT analysis of connectivity in porous structures: optimizing data acquisition and analytical methods in the context of tissue engineering. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190833.	1.5	11
16	Crosslinking Collagen Constructs: Achieving Cellular Selectivity Through Modifications of Physical and Chemical Properties. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6911.	1.3	44
17	Scale and structure dependent solute diffusivity within microporous tissue engineering scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 46.	1.7	14
18	Poly-L-Lactic Acid Nanotubes as Soft Piezoelectric Interfaces for Biology: Controlling Cell Attachment via Polymer Crystallinity. <i>ACS Applied Bio Materials</i> , 2020, 3, 2140-2149.	2.3	27

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19	Generation of a three-dimensional collagen scaffold-based model of the human endometrium. <i>Interface Focus</i> , 2020, 10, 20190079.	1.5	85
20	Tunable bioactivity and mechanics of collagen-based tissue engineering constructs: A comparison of EDC-NHS, genipin and TG2 crosslinkers. <i>Biomaterials</i> , 2020, 254, 120109.	5.7	83
21	Natural Biopolymers for Biomedical Applications. , 2019, , 162-176.		2
22	Self-assembly of collagen bundles and enhanced piezoelectricity induced by chemical crosslinking. <i>Nanoscale</i> , 2019, 11, 15120-15130.	2.8	33
23	Fabrication of free standing collagen membranes by pulsed-electrophoretic deposition. <i>Biofabrication</i> , 2019, 11, 045017.	3.7	8
24	Impact of UV- and carbodiimide-based crosslinking on the integrin-binding properties of collagen-based materials. <i>Acta Biomaterialia</i> , 2019, 100, 280-291.	4.1	33
25	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
26	Tuning structural relaxations, mechanical properties, and degradation timescale of PLLA during hydrolytic degradation by blending with PLCL-PEG. <i>Polymer Degradation and Stability</i> , 2019, 170, 109015.	2.7	17
27	Cellular response to collagen-elastin composite materials. <i>Acta Biomaterialia</i> , 2019, 86, 158-170.	4.1	20
28	Engineering vasculature: Architectural effects on microcapillary-like structure self-assembly. <i>PLoS ONE</i> , 2019, 14, e0210390.	1.1	7
29	Investigation of the intrinsic permeability of ice-templated collagen scaffolds as a function of their structural and mechanical properties. <i>Acta Biomaterialia</i> , 2019, 83, 189-198.	4.1	20
30	Effects of reaction pH on self-crosslinked chitosan-carrageenan polyelectrolyte complex gels and sponges. <i>JPhys Materials</i> , 2019, 2, 015003.	1.8	9
31	Short poly(ethylene glycol) block initiation of poly(ϵ -lactide) di-block copolymers: a strategy for tuning the degradation of resorbable devices. <i>Polymer International</i> , 2018, 67, 726-738.	1.6	9
32	Near-Field Electrospinning Patterning Polycaprolactone and Polycaprolactone/Collagen Interconnected Fiber Membrane. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700463.	1.7	18
33	An Engineered Human Adipose/Collagen Model for <i>In Vitro</i> Breast Cancer Cell Migration Studies. <i>Tissue Engineering - Part A</i> , 2018, 24, 1309-1319.	1.6	29
34	Macromol. Mater. Eng. 2/2018. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1870009.	1.7	0
35	Selecting the correct cellular model for assessing of the biological response of collagen-based biomaterials. <i>Acta Biomaterialia</i> , 2018, 65, 88-101.	4.1	33
36	Optimising collagen scaffold architecture for enhanced periodontal ligament fibroblast migration. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 166.	1.7	28

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37	Stiffening by Osmotic Swelling Constraint in Cartilage-Like Cell Culture Scaffolds. <i>Macromolecular Bioscience</i> , 2018, 18, e1800247.	2.1	10
38	The apatite forming ability of micro- and nanocomposites of β -Tricalcium phosphate/poly (D,L-lactide-co-glycolide). <i>Materials Technology</i> , 2018, 33, 803-809.	1.5	1
39	Coupling of a specific photoreactive triple-helical peptide to crosslinked collagen films restores binding and activation of DDR2 and VWF. <i>Biomaterials</i> , 2018, 182, 21-34.	5.7	16
40	Tumour cell invasiveness and response to chemotherapeutics in adipocyte invested 3D engineered anisotropic collagen scaffolds. <i>Scientific Reports</i> , 2018, 8, 12658.	1.6	18
41	Structurally graduated collagen scaffolds applied to the ex vivo generation of platelets from human pluripotent stem cell-derived megakaryocytes: Enhancing production and purity. <i>Biomaterials</i> , 2018, 182, 135-144.	5.7	40
42	3D imaging of cells in scaffolds: direct labelling for micro CT. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 86.	1.7	13
43	Towards Cellular Sieving: Exploring the Limits of Scaffold Accessibility for Cell Type Specific Invasion. <i>Advanced Biology</i> , 2018, 2, 1700257.	3.0	5
44	<i>In situ</i> ESEM imaging of the vapor-pressure-dependent sublimation-induced morphology of ice. <i>Physical Review Materials</i> , 2018, 2, .	0.9	6
45	The Mechanics of Brow-Suspension Ptosis Repair: A Comparative Study of Fox Pentagon and Crawford Triangle Techniques. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2017, 33, 22-26.	0.4	0
46	Fundamental insight into the effect of carbodiimide crosslinking on cellular recognition of collagen-based scaffolds. <i>Acta Biomaterialia</i> , 2017, 49, 218-234.	4.1	114
47	Development of three-dimensional collagen scaffolds with controlled architecture for cell migration studies using breast cancer cell lines. <i>Biomaterials</i> , 2017, 114, 34-43.	5.7	111
48	The effect of the type of HA on the degradation of PLGA/HA composites. <i>Materials Science and Engineering C</i> , 2017, 70, 824-831.	3.8	21
49	Collagen-Fibrinogen Lyophilised Scaffolds for Soft Tissue Regeneration. <i>Materials</i> , 2017, 10, 568.	1.3	14
50	Orthopedic Applications: Bioceramic and Biopolymer Nanocomposite Materials. , 2017, , 1276-1288.		0
51	The effect of particle size on the in vivo degradation of poly(d,l-lactide-co-glycolide)/ β -tricalcium phosphate micro- and nanocomposites. <i>Acta Biomaterialia</i> , 2016, 45, 340-348.	4.1	21
52	Evaluation of cell binding to collagen and gelatin: a study of the effect of 2D and 3D architecture and surface chemistry. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 148.	1.7	309
53	Collagen: a network for regenerative medicine. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6484-6496.	2.9	137
54	Parameterizing the Transport Pathways for Cell Invasion in Complex Scaffold Architectures. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 409-417.	1.1	20

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55	The synthesis and coupling of photoreactive collagen-based peptides to restore integrin reactivity to an inert substrate, chemically-crosslinked collagen. <i>Biomaterials</i> , 2016, 85, 65-77.	5.7	38
56	Optimisation of UV irradiation as a binding site conserving method for crosslinking collagen-based scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 14.	1.7	73
57	Cell Invasion in Collagen Scaffold Architectures Characterized by Percolation Theory. <i>Advanced Healthcare Materials</i> , 2015, 4, 1317-1321.	3.9	48
58	Preface to the special issue: Biomaterials and Bioelectronics. <i>APL Materials</i> , 2015, 3, 014601.	2.2	0
59	Numerical simulations to determine the influence of mould design on ice-templated scaffold structures. <i>Journal of Biomedical Engineering and Informatics</i> , 2015, 1, 47.	0.2	14
60	Effect of 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide and N-hydroxysuccinimide concentrations on the mechanical and biological characteristics of cross-linked collagen fibres for tendon repair. <i>International Journal of Energy Production and Management</i> , 2015, 2, 77-85.	1.9	45
61	Altering crystal growth and annealing in ice-templated scaffolds. <i>Journal of Materials Science</i> , 2015, 50, 7537-7543.	1.7	23
62	Bioactive IGF-1 release from collagen GAG scaffold to enhance cartilage repair in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5325.	1.7	46
63	Ionic solutes impact collagen scaffold bioactivity. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 91.	1.7	8
64	The effects of scaffold architecture and fibrin gel addition on tendon cell phenotype. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5349.	1.7	14
65	The influence of silanisation on the mechanical and degradation behaviour of PLGA/HA composites. <i>Materials Science and Engineering C</i> , 2015, 48, 642-650.	3.8	20
66	Tailoring chitosan/collagen scaffolds for tissue engineering: Effect of composition and different crosslinking agents on scaffold properties. <i>Carbohydrate Polymers</i> , 2015, 132, 606-619.	5.1	111
67	Control of crosslinking for tailoring collagen-based scaffolds stability and mechanics. <i>Acta Biomaterialia</i> , 2015, 25, 131-142.	4.1	202
68	Multi-scale mechanical response of freeze-dried collagen scaffolds for tissue engineering applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 42, 19-25.	1.5	56
69	Stress-relaxation and fatigue behaviour of synthetic brow-suspension materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 42, 116-128.	1.5	3
70	Understanding anisotropy and architecture in ice-templated biopolymer scaffolds. <i>Materials Science and Engineering C</i> , 2014, 37, 141-147.	3.8	84
71	Microstructure and mechanical properties of synthetic brow-suspension materials. <i>Materials Science and Engineering C</i> , 2014, 35, 220-230.	3.8	17
72	A 3-D in vitro co-culture model of mammary gland involution. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 618-626.	0.6	27

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73	The degradation behavior of nanoscale HA/PLGA and β -TCP/PLGA composites. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2014, 3, 85-93.	0.7	10
74	Collagen fibre implant for tendon and ligament biological augmentation. In vivo study in an ovine model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 1783-1793.	2.3	43
75	Preparation, characterization, and in vitro evaluation of nanostructured chitosan/apatite and chitosan/Si-doped apatite composites. <i>Journal of Materials Science</i> , 2013, 48, 841-849.	1.7	6
76	High-speed camera characterization of voluntary eye blinking kinematics. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130227.	1.5	110
77	A regenerative microchannel neural interface for recording from and stimulating peripheral axons <i>in vivo</i> . <i>Journal of Neural Engineering</i> , 2012, 9, 016010.	1.8	52
78	Hydrothermal Synthesis of Bioinert Oxide Film on Pure Ti: In Vitro and In Vivo Studies. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1418, 133.	0.1	0
79	Crosslinking and composition influence the surface properties, mechanical stiffness and cell reactivity of collagen-based films. <i>Acta Biomaterialia</i> , 2012, 8, 3080-3090.	4.1	181
80	A study of surface morphology and phase separation of polymer/cellulose liquid crystal composite membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 407, 126-132.	2.3	13
81	Effects of lactic acid and glycolic acid on human osteoblasts: A way to understand PLGA involvement in PLGA/calcium phosphate composite failure. <i>Journal of Orthopaedic Research</i> , 2012, 30, 864-871.	1.2	67
82	The interplay between physical and chemical properties of protein films affects their bioactivity. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2401-2411.	2.1	17
83	Biomimetic collagen scaffolds with anisotropic pore architecture. <i>Acta Biomaterialia</i> , 2012, 8, 667-676.	4.1	110
84	Investigating the morphological, mechanical and degradation properties of scaffolds comprising collagen, gelatin and elastin for use in soft tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 10, 62-74.	1.5	197
85	Bioceramic and Biopolymer Nanocomposite Materials for Use in Orthopedic Applications. , 2012, , 19-42.		0
86	The influence of the compounding process and testing conditions on the compressive mechanical properties of poly(D,L-lactide-co-glycolide)-tricalcium phosphate nanocomposites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 1081-1089.	1.5	18
87	A comparative study of the thermal and dynamic mechanical behaviour of quenched and annealed bioresorbable poly-L-lactide/ β -tricalcium phosphate nanocomposites. <i>Acta Biomaterialia</i> , 2011, 7, 2176-2184.	4.1	34
88	Regeneration and repair of tendon and ligament tissue using collagen fibre biomaterials. <i>Acta Biomaterialia</i> , 2011, 7, 3237-3247.	4.1	160
89	A model for biodegradation of composite materials made of polyesters and tricalcium phosphates. <i>Biomaterials</i> , 2011, 32, 2248-2255.	5.7	35
90	Predictive modelling of the swelling behaviour of polyelectrolytic chitosan hydrogels. <i>Carbohydrate Polymers</i> , 2011, 86, 769-773.	5.1	7

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91	The influence of hydroxyapatite (HA) microparticles (m) and nanoparticles (n) on the thermal and dynamic mechanical properties of poly-L-lactide. <i>Polymer</i> , 2011, 52, 2883-2890.	1.8	47
92	A Multifunctional 3D Co-Culture System for Studies of Mammary Tissue Morphogenesis and Stem Cell Biology. <i>PLoS ONE</i> , 2011, 6, e25661.	1.1	82
93	The Spiral Peripheral Nerve Interface: Design, Fabrication and Performance. <i>IFMBE Proceedings</i> , 2011, , 1338-1341.	0.2	0
94	Design of a multiphase osteochondral scaffold. I. Control of chemical composition. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1057-1065.	2.1	49
95	A dynamic mechanical thermal analysis study of the viscoelastic properties and glass transition temperature behaviour of bioresorbable polymer matrix nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 3085-3093.	1.7	16
96	Variations in Compaction Behaviour for Tablets of Different Size and Shape, Revealed by Small-Angle X-Ray Scattering. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4380-4389.	1.6	8
97	Swelling and Viscoelastic Characterisation of pH-Responsive Chitosan Hydrogels for Targeted Drug Delivery. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 644-650.	1.1	40
98	Changes in small-angle X-ray scattering during powder compaction – An explanation based on granule deformation. <i>Powder Technology</i> , 2010, 198, 404-411.	2.1	11
99	Chitosan/apatite composite beads prepared by in situ generation of apatite or Si-apatite nanocrystals. <i>Acta Biomaterialia</i> , 2010, 6, 466-476.	4.1	36
100	Collagen-hyaluronic acid scaffolds for adipose tissue engineering. <i>Acta Biomaterialia</i> , 2010, 6, 3957-3968.	4.1	209
101	Novel preparation and characterization of porous alginate films. <i>Carbohydrate Polymers</i> , 2010, 79, 989-997.	5.1	25
102	The degradation properties of co-continuous calcium phosphate polyester composites: insights with synchrotron micro-computer tomography. <i>Journal of the Royal Society Interface</i> , 2010, 7, S663-74.	1.5	7
103	Binding and Release Characteristics of Insulin-Like Growth Factor-1 from a Collagen-Glycosaminoglycan Scaffold. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1439-1448.	1.1	55
104	Investigation into the intragranular structures of microcrystalline cellulose and pre-gelatinised starch. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 377-387.	2.0	19
105	The Influence of Tricalcium Phosphate Nanoparticles and Microparticles on the Degradation of Poly(D,L-lactide-co-glycolide). <i>Advanced Materials</i> , 2009, 21, 3900-3904.	11.1	53
106	A small-angle X-ray scattering study of local variations within powder compacts. <i>Powder Technology</i> , 2009, 192, 287-297.	2.1	14
107	Degradation Properties of Co-Continuous Calcium Phosphate Polyester Composites. <i>Biomacromolecules</i> , 2009, 10, 1976-1985.	2.6	14
108	The effect of tri-calcium phosphate (TCP) addition on the degradation of polylactide-co-glycolide (PLGA). <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 459-466.	1.7	72

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109	Carbon nanotubes for orthopaedic implants. <i>International Journal of Material Forming</i> , 2008, 1, 127-133.	0.9	21
110	A small-angle X-ray scattering study of powder compaction. <i>Powder Technology</i> , 2008, 188, 119-127.	2.1	19
111	Theory, calculation and observation of nonlinear optical activity in chiral molecules. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2008, 104, 13.	4.4	2
112	Structure and Phase Transitions of Genipin, An Herbal Medicine and Naturally Occurring Cross-Linker. <i>Crystal Growth and Design</i> , 2008, 8, 1748-1753.	1.4	15
113	A Novel Way of Dispersing Fine Ceramic Particles in PLGA Matrix. <i>Key Engineering Materials</i> , 2007, 330-332, 511-514.	0.4	4
114	Contact Line Crystallization To Obtain Metastable Polymorphs. <i>Crystal Growth and Design</i> , 2007, 7, 108-112.	1.4	45
115	Effect of polymer addition on the contact line crystallisation of paracetamol. <i>CrystEngComm</i> , 2007, 9, 84-90.	1.3	19
116	Comparison of the Hydrolytic Degradation and Deformation Properties of a PLLA/Lauric Acid Based Family of Biomaterials. <i>Biomacromolecules</i> , 2006, 7, 612-617.	2.6	24
117	Application of X-ray Microtomography and Image Processing to the Investigation of a Compacted Granular System. <i>Particle and Particle Systems Characterization</i> , 2006, 23, 229-236.	1.2	39
118	Investigation of particle packing in model pharmaceutical powders using X-ray microtomography and discrete element method. <i>Powder Technology</i> , 2006, 167, 134-140.	2.1	89
119	Morphological Behaviour of Thermoplastic Polyurethanes During Repeated Deformation. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 301-324.	1.7	21
120	Examination of Hard Segment and Soft Segment Phase Separation in Polyurethane Medical Materials by Electron Microscopy Techniques. <i>Microscopy and Microanalysis</i> , 2006, 12, 151-155.	0.2	8
121	Analysis and evaluation of a biomedical polycarbonate urethane tested in an in vitro study and an ovine arthroplasty model. Part II: in vivo investigation. <i>Biomaterials</i> , 2005, 26, 633-643.	5.7	109
122	A degradation study of PLLA containing lauric acid. <i>Biomaterials</i> , 2005, 26, 2415-2422.	5.7	45
123	The effect of crystallinity on the deformation mechanism and bulk mechanical properties of PLLA. <i>Biomaterials</i> , 2005, 26, 5771-5782.	5.7	124
124	Effect of processing route and acetone pre-treatment on the biostability of pellethane materials used in medical device applications. <i>Biomaterials</i> , 2005, 26, 6467-6476.	5.7	8
125	Analysis and evaluation of a biomedical polycarbonate urethane tested in an in vitro study and an ovine arthroplasty model. Part I: materials selection and evaluation. <i>Biomaterials</i> , 2005, 26, 621-631.	5.7	150
126	Extent of iron pick-up in deferoxamine-coupled polyurethane materials for therapy of chronic wounds. <i>Biomaterials</i> , 2005, 26, 6024-6033.	5.7	31

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127	The effects of molecular weight and porosity on the degradation and drug release from polyglycolide. <i>International Journal of Pharmaceutics</i> , 2004, 282, 19-34.	2.6	67
128	The distribution of water in degrading polyglycolide. Part II: magnetic resonance imaging and drug release. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 465-473.	1.7	18
129	The distribution of water in degrading polyglycolide. Part I: sample size and drug release. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 457-464.	1.7	21
130	Polyglycolide-based blends for drug delivery: A differential scanning calorimetry study of the melting behavior. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2937-2939.	1.3	12
131	The Degradation of Polyglycolide in Water and Deuterium Oxide. Part I: The Effect of Reaction Rate. <i>Polymer</i> , 2003, 44, 1421-1424.	1.8	22
132	The Degradation of Polyglycolide in Water and Deuterium Oxide. Part II: Nuclear Reaction Analysis and Magnetic Resonance Imaging of Water Distribution. <i>Polymer</i> , 2003, 44, 1425-1435.	1.8	16
133	The effect of buffer concentration, pH and buffer ions on the degradation and drug release from polyglycolide. <i>Polymer International</i> , 2003, 52, 358-366.	1.6	18
134	Microfocus small-angle X-ray scattering investigation of the skin-core microstructure of lyocell cellulose fibers. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2799-2816.	1.3	34
135	Simultaneous SAXS and WAXS investigations of changes in native cellulose fiber microstructure on swelling in aqueous sodium hydroxide. <i>Journal of Applied Polymer Science</i> , 2002, 83, 1209-1218.	1.3	36
136	The hydrolytic degradation of polydioxanone (PDSII) sutures. Part I: Morphological aspects. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 280-290.	3.0	50
137	The hydrolytic degradation of polydioxanone (PDSII) sutures. Part II: Micromechanisms of deformation. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 291-298.	3.0	22
138	Structural aspects of the thermally accelerated ageing of cellulose: effect of cellulose source and ageing conditions. <i>Polymer International</i> , 2002, 51, 707-714.	1.6	5
139	The effect of initial polymer morphology on the degradation and drug release from polyglycolide. <i>Biomaterials</i> , 2002, 23, 2401-2409.	5.7	95
140	The effects of concentration and sodium hydroxide on the rheological properties of potato starch gelatinisation. <i>Carbohydrate Polymers</i> , 2002, 50, 133-143.	5.1	75
141	Polyglycolide: degradation and drug release. Part II: drug release. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 817-820.	1.7	22
142	Polyglycolide: degradation and drug release. Part I: changes in morphology during degradation. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 811-816.	1.7	57
143	A small angle X-ray scattering study of pore structure in Tencel Â® cellulose fibres and the effects of physical treatments. <i>Polymer</i> , 2000, 41, 4691-4698.	1.8	97
144	The ductileâ€“brittle transition of irradiated isotactic polypropylene studied using simultaneous small angle X-ray scattering and tensile deformation. <i>Polymer</i> , 2000, 41, 3797-3807.	1.8	72

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145	A Review of the Relationship Between Thermally-Accelerated Ageing of Paper and Hornification. Cellulose, 1999, 6, 23-40.	2.4	137
146	Structure-property relationships in thermally aged cellulose fibers and paper. Journal of Applied Polymer Science, 1999, 74, 1465-1477.	1.3	35
147	Effect of hydrolytic degradation on the microstructure of quenched, amorphous poly(glycolic acid): an X-ray scattering study of hydrated samples. Polymer International, 1999, 48, 915-920.	1.6	12
148	The relationships between morphology, irradiation and the ductile-brittle transition of isotactic polypropylene. Polymer International, 1999, 48, 1173-1178.	1.6	23
149	Protein Based Materials Kevin McGrath and David Kaplan (eds) Birkh�user, Boston and Basel, 1997 (xx +) Tj ETQq1 1.0.784314 rgBT /Qv	0.4	0
150	Physical ageing and the embrittlement of poly(hydroxybutyrate) on storage: a time resolved small angle X-ray scattering study. Polymer International, 1998, 45, 308-312.	1.6	10
151	Effect of hydrolytic degradation and dehydration on the microstructure of 50:50 poly(glycolide-co-D,L-lactide). Polymer International, 1998, 45, 313-320.	1.6	3
152	Gelation of Amylopectin without Long Range Order. Starch/Staerke, 1994, 46, 285-287.	1.1	25
153	Minimizing sample evaporation in the environmental scanning electron microscope. Journal of Microscopy, 1994, 173, 227-237.	0.8	118
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