

# Lichun Lu

## 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.

103  
papers

5,213  
citations

38  
h-index

71  
g-index

108  
ext. papers

5,698  
ext. citations

7  
avg, IF

5.42  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 103 | Zinc-doped hydroxyapatite and poly(propylene fumarate) nanocomposite scaffold for bone tissue engineering. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 5998-6012   | 4.3  | 0         |
| 102 | Two-dimensional nanomaterials-added dynamism in 3D printing and bioprinting of biomedical platforms: Unique opportunities and challenges.. <i>Biomaterials</i> , <b>2022</b> , 284, 121507   | 15.6 | 0         |
| 101 | A comparative study on cylindrical and spherical models in fabrication of bone tissue engineering scaffolds: Finite element simulation and experiments. <i>Materials and Design</i> , <b>2021</b> , 211, 110150                              | 8.1  | 2         |
| 100 | Black phosphorus incorporation modulates nanocomposite hydrogel properties and subsequent MC3T3 cell attachment, proliferation, and differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 1633-1645 | 5.4  | 0         |
| 99  | Bifunctional hydrogel for potential vascularized bone tissue regeneration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 124, 112075  | 8.3  | 6         |
| 98  | CT-based structural analyses of vertebral fractures with polymeric augmentation: A study of cadaveric three-level spine segments. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 133, 104395                                       | 7    | 1         |
| 97  | Poly(Caprolactone Fumarate) and Oligo[Poly(Ethylene Glycol) Fumarate]: Two Decades of Exploration in Biomedical Applications. <i>Polymer Reviews</i> , <b>2021</b> , 61, 319-356   | 14   | 6         |
| 96  | 3D bioprinting of oligo(poly[ethylene glycol] fumarate) for bone and nerve tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 6-17  | 5.4  | 12        |
| 95  | 2D phosphorene nanosheets, quantum dots, nanoribbons: synthesis and biomedical applications. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2768-2803  | 7.4  | 8         |
| 94  | Mesenchymal stem cell spheroids incorporated with collagen and black phosphorus promote osteogenesis of biodegradable hydrogels. <i>Materials Science and Engineering C</i> , <b>2021</b> , 121, 111812                                      | 8.3  | 3         |
| 93  | Three-dimensional surface strain analyses of simulated defect and augmented spine segments: A biomechanical cadaveric study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 119, 104559                   | 4.1  | 3         |
| 92  | Spatial and uniform deposition of cell-laden constructs on 3D printed composite phosphorylated hydrogels for improved osteoblast responses. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 17768-17784                              | 4.3  | 2         |
| 91  | SDF-1/OPF/BP Composites Enhance the Migrating and Osteogenic Abilities of Mesenchymal Stem Cells. <i>Stem Cells International</i> , <b>2021</b> , 2021, 1938819  | 5    | 1         |
| 90  | Injectable catalyst-free "click" organic-inorganic nanohybrid (click-ON) cement for minimally invasive in vivo bone repair. <i>Biomaterials</i> , <b>2021</b> , 276, 121014  | 15.6 | 4         |
| 89  | Single-level subject-specific finite element model can predict fracture outcomes in three-level spine segments under different loading rates. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 137, 104833                           | 7    | 0         |
| 88  | Enhanced nerve cell proliferation and differentiation on electrically conductive scaffolds embedded with graphene and carbon nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 193-206                | 5.4  | 14        |
| 87  | Injectable pH-responsive adhesive hydrogels for bone tissue engineering inspired by the underwater attachment strategy of marine mussels.. <i>Materials Science and Engineering C</i> , <b>2021</b> , 112606                                 | 8.3  | 0         |

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| 86 | Injectable Electrical Conductive and Phosphate Releasing Gel with Two-Dimensional Black Phosphorus and Carbon Nanotubes for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4653-4665  | 5.5  | 15 |
| 85 | 3D-printed scaffolds with carbon nanotubes for bone tissue engineering: Fast and homogeneous one-step functionalization. <i>Acta Biomaterialia</i> , <b>2020</b> , 111, 129-140  | 10.8 | 32 |
| 84 | Phosphate functionalization and enzymatic calcium mineralization synergistically enhance oligo[poly(ethylene glycol) fumarate] hydrogel osteoconductivity for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 515-527 | 5.4  | 9  |
| 83 | Rapid conjugation of nanoparticles, proteins and siRNAs to microbubbles by strain-promoted click chemistry for ultrasound imaging and drug delivery. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 705-717  | 4.9  | 9  |
| 82 | STIM1 expression is associated with osteosarcoma cell survival. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , <b>2019</b> , 31, 203-211  | 3.8  | 6  |
| 81 | Two-Dimensional Black Phosphorus and Graphene Oxide Nanosheets Synergistically Enhance Cell Proliferation and Osteogenesis on 3D Printed Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23558-23572  | 9.5  | 63 |
| 80 | The Osteoinductive Effect of Controlled Bone Morphogenetic Protein 2 Release Is Location Dependent. <i>Tissue Engineering - Part A</i> , <b>2019</b> , 25, 193-202   | 3.9  | 4  |
| 79 | Injectable Catalyst-Free Poly(Propylene Fumarate) System Cross-Linked by Strain Promoted Alkyne-Azide Cycloaddition Click Chemistry for Spine Defect Filling. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3352-3365   | 6.9  | 10 |
| 78 | Mechanical testing setups affect spine segment fracture outcomes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 100, 103399  | 4.1  | 4  |
| 77 | Endoscopic magnet placement into subadventitial tunnels for augmenting the lower esophageal sphincter using submucosal endoscopy: ex vivo and in vivo study in a porcine model (with video). <i>Gastrointestinal Endoscopy</i> , <b>2019</b> , 89, 422-428                   | 5.2  | 5  |
| 76 | Strontium-substituted hydroxyapatite stimulates osteogenesis on poly(propylene fumarate) nanocomposite scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 631-642  | 5.4  | 19 |
| 75 | Effect of Biomaterial Electrical Charge on Bone Morphogenetic Protein-2-Induced Bone Formation. <i>Tissue Engineering - Part A</i> , <b>2019</b> , 25, 1037-1052   | 3.9  | 6  |
| 74 | Composite Hydrogel Embedded with Porous Microspheres for Long-Term pH-Sensitive Drug Delivery. <i>Tissue Engineering - Part A</i> , <b>2019</b> , 25, 172-182  | 3.9  | 5  |
| 73 | Bone morphogenetic protein-2 release profile modulates bone formation in phosphorylated hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1339-1351   | 4.4  | 21 |
| 72 | Fast functionalization of ultrasound microbubbles using strain promoted click chemistry. <i>Biomaterials Science</i> , <b>2018</b> , 6, 623-632  | 7.4  | 10 |
| 71 | Cross-linkable graphene oxide embedded nanocomposite hydrogel with enhanced mechanics and cytocompatibility for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1247-1257  | 5.4  | 5  |
| 70 | Three-dimensional porous poly(propylene fumarate)-co-poly(lactic-co-glycolic acid) scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 2507-2517   | 5.4  | 7  |
| 69 | The trabecular effect: A population-based longitudinal study on age and sex differences in bone mineral density and vertebral load bearing capacity. <i>Clinical Biomechanics</i> , <b>2018</b> , 55, 73-78  | 2.2  | 8  |

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| 68 | Strengthening injectable thermo-sensitive NIPAAm-g-chitosan hydrogels using chemical cross-linking of disulfide bonds as scaffolds for tissue engineering. <i>Carbohydrate Polymers</i> , <b>2018</b> , 192, 308-316                            | 10.3 | 60  |
| 67 | Effect of different sustained bone morphogenetic protein-2 release kinetics on bone formation in poly(propylene fumarate) scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 477-487 | 3.5  | 18  |
| 66 | Phosphate Functional Groups Improve Oligo[(Polyethylene Glycol) Fumarate] Osteoconduction and BMP-2 Osteoinductive Efficacy. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 819-829   | 3.9  | 19  |
| 65 | Poly(Propylene Fumarate)-Hydroxyapatite Nanocomposite Can Be a Suitable Candidate for Cervical Cages. <i>Journal of Biomechanical Engineering</i> , <b>2018</b> , 140,  | 2.1  | 9   |
| 64 | Effective nerve cell modulation by electrical stimulation of carbon nanotube embedded conductive polymeric scaffolds. <i>Biomaterials Science</i> , <b>2018</b> , 6, 2375-2385  | 7.4  | 51  |
| 63 | Electrically conductive nanocomposite hydrogels embedded with functionalized carbon nanotubes for spinal cord injury. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 17671-17681   | 3.6  | 35  |
| 62 | In Vitro and In Vivo Correlation of Bone Morphogenetic Protein-2 Release Profiles from Complex Delivery Vehicles. <i>Tissue Engineering - Part C: Methods</i> , <b>2018</b> , 24, 379-390   | 2.9  | 6   |
| 61 | Functionalized Carbon Nanotube and Graphene Oxide Embedded Electrically Conductive Hydrogel Synergistically Stimulates Nerve Cell Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14677-14690                 | 9.5  | 116 |
| 60 | Are DXA/aBMD and QCT/FEA Stiffness and Strength Estimates Sensitive to Sex and Age?. <i>Annals of Biomedical Engineering</i> , <b>2017</b> , 45, 2847-2856  | 4.7  | 11  |
| 59 | Method and Instrumented Fixture for Femoral Fracture Testing in a Sideways Fall-on-the-Hip Position. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,   | 1.6  | 3   |
| 58 | A Method to Estimate Cadaveric Femur Cortical Strains During Fracture Testing Using Digital Image Correlation. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,   | 1.6  | 2   |
| 57 | Proximal Cadaveric Femur Preparation for Fracture Strength Testing and Quantitative CT-based Finite Element Analysis. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,  | 1.6  | 4   |
| 56 | A New Vertebral Body Replacement Strategy Using Expandable Polymeric Cages. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 223-232  | 3.9  | 10  |
| 55 | Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 226-235   | 5.4  | 15  |
| 54 | Expansile crosslinked polymersomes for pH sensitive delivery of doxorubicin. <i>Biomaterials Science</i> , <b>2016</b> , 4, 245-9   | 7.4  | 22  |
| 53 | Noninvasive Failure Load Prediction of Vertebrae with Simulated Lytic Defects and Biomaterial Augmentation. <i>Tissue Engineering - Part C: Methods</i> , <b>2016</b> , 22, 717-24  | 2.9  | 11  |
| 52 | Poly(ε-caprolactone) Dendrimer Cross-Linked via Metal-Free Click Chemistry: Injectable Hydrophobic Platform for Tissue Engineering. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1261-1265   | 6.6  | 29  |
| 51 | Covalent crosslinking of graphene oxide and carbon nanotube into hydrogels enhances nerve cell responses. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 6930-6941  | 7.3  | 55  |

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| 50 | Tissue engineered constructs: perspectives on clinical translation. <i>Annals of Biomedical Engineering</i> , <b>2015</b> , 43, 796-804  | 4.7  | 24 |
| 49 | Biodegradable and crosslinkable PPF-PLGA-PEG self-assembled nanoparticles dual-decorated with folic acid ligands and rhodamine B fluorescent probes for targeted cancer imaging.. <i>RSC Advances</i> , <b>2015</b> , 5, 33275-33282         | 3.7  | 25 |
| 48 | Molecularly Engineered Biodegradable Polymer Networks with a Wide Range of Stiffness for Bone and Peripheral Nerve Regeneration. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2715-2724  | 15.6 | 38 |
| 47 | Hydrolysable core crosslinked particle for receptor-mediated pH-sensitive anticancer drug delivery. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8840-8847  | 3.6  | 10 |
| 46 | Novel biodegradable poly(propylene fumarate)--poly(L-lactic acid) porous scaffolds fabricated by phase separation for tissue engineering applications. <i>RSC Advances</i> , <b>2015</b> , 5, 21301-21309                                    | 3.7  | 30 |
| 45 | Tunable tissue scaffolds fabricated by crosslink in phase separation system. <i>RSC Advances</i> , <b>2015</b> , 5, 100824-100833  | 3.7  | 24 |
| 44 | Nanocomposite bone scaffolds based on biodegradable polymers and hydroxyapatite. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 2549-57   | 5.4  | 28 |
| 43 | Effect of calcium phosphate coating and rhBMP-2 on bone regeneration in rabbit calvaria using poly(propylene fumarate) scaffolds. <i>Acta Biomaterialia</i> , <b>2015</b> , 18, 9-20   | 10.8 | 66 |
| 42 | Biomechanical evaluation of an injectable and biodegradable copolymer P(PF-co-CL) in a cadaveric vertebral body defect model. <i>Tissue Engineering - Part A</i> , <b>2014</b> , 20, 1096-102  | 3.9  | 18 |
| 41 | Hydrogel-PLGA delivery system prolongs 2-methoxyestradiol-mediated anti-tumor effects in osteosarcoma cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 2491-9  | 5.4  | 6  |
| 40 | Polymeric Biomaterials for Tissue Engineering Applications 2011. <i>International Journal of Polymer Science</i> , <b>2011</b> , 2011, 1-2   | 2.4  | 17 |
| 39 | Material properties and electrical stimulation regimens of polycaprolactone fumarate-polypyrrole scaffolds as potential conductive nerve conduits. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 944-53                                       | 10.8 | 82 |
| 38 | Cross-linking characteristics and mechanical properties of an injectable biomaterial composed of polypropylene fumarate and polycaprolactone co-polymer. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 489-504 | 3.5  | 39 |
| 37 | Effects of composite formulation on the mechanical properties of biodegradable poly(propylene fumarate)/bone fiber scaffolds. <i>International Journal of Polymer Science</i> , <b>2010</b> , 2010,  | 2.4  | 11 |
| 36 | Enhanced bone morphogenetic protein-2-induced ectopic and orthotopic bone formation by intermittent parathyroid hormone (1-34) administration. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3769-77                                | 3.9  | 32 |
| 35 | Development of electrically conductive oligo(polyethylene glycol) fumarate-polypyrrole hydrogels for nerve regeneration. <i>Biomacromolecules</i> , <b>2010</b> , 11, 2845-53  | 6.9  | 98 |
| 34 | Enhanced cell ingrowth and proliferation through three-dimensional nanocomposite scaffolds with controlled pore structures. <i>Biomacromolecules</i> , <b>2010</b> , 11, 682-9   | 6.9  | 84 |
| 33 | In vivo biodegradation and biocompatibility of PEG/sebacic acid-based hydrogels using a cage implant system. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 191-7  | 5.4  | 39 |

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| 32 | A stimuli-responsive hydrogel for doxorubicin delivery. <i>Biomaterials</i> , <b>2010</b> , 31, 8051-62  | 15.6 | 93  |
| 31 | The development of electrically conductive polycaprolactone fumarate-polypyrrole composite materials for nerve regeneration. <i>Biomaterials</i> , <b>2010</b> , 31, 5916-26   | 15.6 | 124 |
| 30 | Effect of autologous bone marrow stromal cell seeding and bone morphogenetic protein-2 delivery on ectopic bone formation in a microsphere/poly(propylene fumarate) composite. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 587-94       | 3.9  | 45  |
| 29 | Non-invasive monitoring of BMP-2 retention and bone formation in composites for bone tissue engineering using SPECT/CT and scintillation probes. <i>Journal of Controlled Release</i> , <b>2009</b> , 134, 169-76                                  | 11.7 | 45  |
| 28 | Development of biodegradable and injectable macromers based on poly(ethylene glycol) and diacid monomers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 90, 1010-20   | 5.4  | 7   |
| 27 | Effect of local sequential VEGF and BMP-2 delivery on ectopic and orthotopic bone regeneration. <i>Biomaterials</i> , <b>2009</b> , 30, 2816-25  | 15.6 | 481 |
| 26 | The roles of matrix polymer crystallinity and hydroxyapatite nanoparticles in modulating material properties of photo-crosslinked composites and bone marrow stromal cell responses. <i>Biomaterials</i> , <b>2009</b> , 30, 3359-70               | 15.6 | 53  |
| 25 | Stimulation of neurite outgrowth using positively charged hydrogels. <i>Biomaterials</i> , <b>2009</b> , 30, 3874-81   | 15.6 | 94  |
| 24 | Photo-crosslinked poly(epsilon-caprolactone fumarate) networks for guided peripheral nerve regeneration: material properties and preliminary biological evaluations. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1531-42                          | 10.8 | 85  |
| 23 | Three-dimensional porous biodegradable polymeric scaffolds fabricated with biodegradable hydrogel porogens. <i>Tissue Engineering - Part C: Methods</i> , <b>2009</b> , 15, 583-94   | 2.9  | 67  |
| 22 | Non-invasive screening method for simultaneous evaluation of in vivo growth factor release profiles from multiple ectopic bone tissue engineering implants. <i>Journal of Controlled Release</i> , <b>2008</b> , 130, 15-21                        | 11.7 | 19  |
| 21 | Synthesis and evaluation of novel biodegradable hydrogels based on poly(ethylene glycol) and sebacic acid as tissue engineering scaffolds. <i>Biomacromolecules</i> , <b>2008</b> , 9, 149-57  | 6.9  | 112 |
| 20 | Photo-cross-linked hybrid polymer networks consisting of poly(propylene fumarate) and poly(caprolactone fumarate): controlled physical properties and regulated bone and nerve cell responses. <i>Biomacromolecules</i> , <b>2008</b> , 9, 1229-41 | 6.9  | 92  |
| 19 | Retention of in vitro and in vivo BMP-2 bioactivities in sustained delivery vehicles for bone tissue engineering. <i>Biomaterials</i> , <b>2008</b> , 29, 3245-52  | 15.6 | 230 |
| 18 | Photo-Crosslinked Poly(Ecaprolactone fumarate) Networks: Roles of Crystallinity and Crosslinking Density in Determining Mechanical Properties. <i>Polymer</i> , <b>2008</b> , 49, 5692-5699  | 3.9  | 87  |
| 17 | Characterization of porous injectable poly-(propylene fumarate)-based bone graft substitute. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 85, 1114-9   | 5.4  | 40  |
| 16 | Physical properties and cellular responses to crosslinkable poly(propylene fumarate)/hydroxyapatite nanocomposites. <i>Biomaterials</i> , <b>2008</b> , 29, 2839-48  | 15.6 | 98  |
| 15 | Effect of hydrogel porosity on marrow stromal cell phenotypic expression. <i>Biomaterials</i> , <b>2008</b> , 29, 2193-2026  | 15.6 | 77  |

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| 14 | Characterization of photo-cross-linked oligo[poly(ethylene glycol) fumarate] hydrogels for cartilage tissue engineering. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1702-9  | 6.9  | 75  |
| 13 | Poly(propylene fumarate) bone tissue engineering scaffold fabrication using stereolithography: effects of resin formulations and laser parameters. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1077-84   | 6.9  | 226 |
| 12 | Biomechanical evaluation of an injectable radiopaque polypropylene fumarate cement for kyphoplasty in a cadaveric osteoporotic vertebral compression fracture model. <i>Journal of Spinal Disorders and Techniques</i> , <b>2007</b> , 20, 604-9 |      | 21  |
| 11 | Controlled drug release from a novel injectable biodegradable microsphere/scaffold composite based on poly(propylene fumarate). <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 103-11                              | 5.4  | 78  |
| 10 | Bone-tissue-engineering material poly(propylene fumarate): correlation between molecular weight, chain dimensions, and physical properties. <i>Biomacromolecules</i> , <b>2006</b> , 7, 1976-82  | 6.9  | 125 |
| 9  | Fabrication and characterization of poly(propylene fumarate) scaffolds with controlled pore structures using 3-dimensional printing and injection molding. <i>Tissue Engineering</i> , <b>2006</b> , 12, 2801-11                                 |      | 114 |
| 8  | Synthesis and characterizations of biodegradable and crosslinkable poly(epsilon-caprolactone fumarate), poly(ethylene glycol fumarate), and their amphiphilic copolymer. <i>Biomaterials</i> , <b>2006</b> , 27, 832-41                          | 15.6 | 133 |
| 7  | Synthesis, material properties, and biocompatibility of a novel self-cross-linkable poly(caprolactone fumarate) as an injectable tissue engineering scaffold. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2503-11                                | 6.9  | 96  |
| 6  | A Biodegradable and Cross-Linkable Multiblock Copolymer Consisting of Poly(propylene fumarate) and Poly(Epsilon-caprolactone): Synthesis, Characterization, and Physical Properties. <i>Macromolecules</i> , <b>2005</b> , 38, 7358-7370         | 5.5  | 62  |
| 5  | Effects of dynamic fluid pressure on chondrocytes cultured in biodegradable poly(glycolic acid) fibrous scaffolds. <i>Tissue Engineering</i> , <b>2005</b> , 11, 1852-9  |      | 3   |
| 4  | Development of biodegradable poly(propylene fumarate)/poly(lactic-co-glycolic acid) blend microspheres. I. Preparation and characterization. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 70, 283-92                   |      | 18  |
| 3  | Bioactive poly(L-lactic acid) conduits seeded with Schwann cells for peripheral nerve regeneration. <i>Biomaterials</i> , <b>2002</b> , 23, 841-8  | 15.6 | 275 |
| 2  | In vitro and in vivo degradation of porous poly(DL-lactic-co-glycolic acid) foams. <i>Biomaterials</i> , <b>2000</b> , 21, 1837-45   | 15.6 | 541 |
| 1  | Marrow stromal osteoblast function on a poly(propylene fumarate)/beta-tricalcium phosphate biodegradable orthopaedic composite. <i>Biomaterials</i> , <b>2000</b> , 21, 1207-13  | 15.6 | 150 |