# Esmaiel Jabbari

List of Publications by Year
in descending order



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|---|---|---|---|
| 149 papers | 5,475 citations | 57758 44 h-index | 95266 68 g-index |
| 159 all docs | 159 docs citations | 159 times ranked | 7255 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and biological evaluation of novel tetranuclear cyclopalladated complex bearing thiosemicarbazone scaffold ligand: Interactions with doubleâ€strand DNA, coronavirus, and molecular modeling studies. Applied Organometallic Chemistry, 2022, 36, . | 3.5 | 1 |
| 2 | Advances in tannic acid-incorporated biomaterials: Infection treatment, regenerative medicine, cancer therapy, and biosensing. Chemical Engineering Journal, 2022, 432, 134146. | 12.7 | 71 |
| 3 | Decellularized Articular Cartilage Microgels as Microcarriers for Expansion of Mesenchymal Stem Cells. Gels, 2022, 8, 148. | 4.5 | 3 |
| 4 | Antiviral Polymers: A Review. Polymers, 2022, 14, 1634. | 4.5 | 13 |
| 5 | Editorial for Gels 6th Anniversary Special Issue. Gels, 2022, 8, 249. | 4.5 | 0 |
| 6 | Functionalized carbon-based nanomaterials and quantum dots with antibacterial activity: a review. Expert Review of Anti-Infective Therapy, 2021, 19, 35-44. | 4.4 | 68 |
| 7 | Electropsun Polycaprolactone Fibres in Bone Tissue Engineering: A Review. Molecular Biotechnology, 2021, 63, 363-388. | 2.4 | 36 |
| 8 | Toward Olefin Multiblock Copolymers with Tailored Properties: A Molecular Perspective. Macromolecular Theory and Simulations, 2021, 30, 2100003. | 1.4 | 3 |
| 9 | Nanoparticles for Targeted Drug Delivery to Cancer Stem Cells: A Review of Recent Advances. Nanomaterials, 2021, 11, 1755. | 4.1 | 39 |
| 10 | Material properties and cell compatibility of poly(Î³-glutamic acid)-keratin hydrogels. International Journal of Biological Macromolecules, 2020, 142, 790-802. | 7.5 | 25 |
| 11 | Thermoresponsive Nanogels Based on Different Polymeric Moieties for Biomedical Applications. Gels, 2020, 6, 20. | 4.5 | 34 |
| 12 | Free and hydrogel encapsulated exosome-based therapies in regenerative medicine. Life Sciences, 2020, 249, 117447. | 4.3 | 106 |
| 13 | Correlating Coating Quality of Coverage with Rheology for Mica-Based Paints. Applied Rheology, 2020, 30, 119-129. | 5.2 | 1 |
| 14 | Sequential Zonal Chondrogenic Differentiation of Mesenchymal Stem Cells in Cartilage Matrices. Tissue Engineering - Part A, 2019, 25, 234-247. | 3.1 | 8 |
| 15 | Development of microparticles for controlled release of resveratrol to adipose tissue and the impact of drug loading on particle morphology and drug release. International Journal of Pharmaceutics, 2019, 568, 118469. | 5.2 | 15 |
| 16 | Plasmin-Cleavable Nanoparticles for On-Demand Release of Morphogens in Vascularized Osteogenesis. Biomacromolecules, 2019, 20, 2973-2988. | 5.4 | 10 |
| 17 | Challenges for Natural Hydrogels in Tissue Engineering. Gels, 2019, 5, 30. | 4.5 | 28 |
| 18 | A novel high-flux, thin-film composite desalination membrane via co-deposition of multifunctional polyhedral oligomeric silsesquioxane and polyoxometalate. Polyhedron, 2019, 168, 138-145. | 2.2 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intelligent Machine Learning: Tailor-Making Macromolecules. Polymers, 2019, 11, 579. | 4.5 | 21 |
| 20 | Cube-octameric silsesquioxane (POSS)-capped magnetic iron oxide nanoparticles for the efficient removal of methylene blue. Frontiers of Chemical Science and Engineering, 2019, 13, 563-573. | 4.4 | 26 |
| 21 | Microwave-assisted and one-step synthesis of PEG passivated fluorescent carbon dots from gelatin as an efficient nanocarrier for methotrexate delivery. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 540-547. | 2.8 | 74 |
| 22 | Material and regenerative properties of an osteon-mimetic cortical bone-like scaffold. International Journal of Energy Production and Management, 2019, 6, 89-98. | 3.7 | 16 |
| 23 | Regenerative Scar-Free Skin Wound Healing. Tissue Engineering - Part B: Reviews, 2019, 25, 294-311. | 4.8 | 132 |
| 24 | Synthesis of polyhedral oligomeric silsesquioxane nanoâ€crosslinked poly(ethylene glycol)â€based hybrid hydrogels for drug delivery and antibacterial activity. Polymer International, 2019, 68, 667-674. | 3.1 | 24 |
| 25 | Transition metal oxide nanoparticles as efficient catalysts in oxidation reactions. Nano Structures Nano Objects, 2018, 14, 19-48. | 3.5 | 122 |
| 26 | Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering. Macromolecular Theory and Simulations, 2018, 27, 1700106. | 1.4 | 29 |
| 27 | Hydrogels for Cell Delivery. Gels, 2018, 4, 58. | 4.5 | 20 |
| 28 | Covalently immobilized VEGF-mimicking peptide with gelatin methacrylate enhances microvascularization of endothelial cells. Acta Biomaterialia, 2017, 51, 330-340. | 8.3 | 49 |
| 29 | Engineering Photocrosslinkable Bicomponent Hydrogel Constructs for Creating 3D Vascularized Bone. Advanced Healthcare Materials, 2017, 6, 1601122. | 7.6 | 59 |
| 30 | POSS-Based Covalent Networks: Supporting and Stabilizing Pd for Heck Reaction in Aqueous Media. Catalysis Letters, 2017, 147, 1086-1094. | 2.6 | 26 |
| 31 | Devitalized Stem Cell Microsheets for Sustainable Release of Osteogenic and Vasculogenic Growth Factors and Regulation of Antiâ€Inflammatory Immune Response. Advanced Biology, 2017, 1, 1600011. | 3.0 | 1 |
| 32 | Fabrication of <i>in situ</i> polymerized poly(butylene succinateâ€coâ€ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (terepht Journal of Biomedical Materials Research - Part A, 2017, 105, 2622-2631. | 4.0 | 8 |
| 33 | Synthesis and Characterization of Photo-Cross-Linkable Keratin Hydrogels for Stem Cell Encapsulation. Biomacromolecules, 2017, 18, 398-412. | 5.4 | 40 |
| 34 | Nanoparticles and Their Applications. Springer Handbooks, 2017, , 335-361. | 0.6 | 14 |
| 35 | Protection against Advanced Glycation End Products and the Mode of Action of Lemon Balm on Hemoglobin Fructose-Mediated Glycation. , 2017, 7, . | | 0 |
| 36 | 3D Cell Culture in Micropatterned Hydrogels Prepared by Photomask, Microneedle, or Soft Lithography Techniques. Methods in Molecular Biology, 2017, 1612, 239-252. | 0.9 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Engineering Bone Formation with Biologically Inspired Nanomaterials. , 2017, , 651-664. | | 0 |
| 38 | Nanofiber Based Matrices for Chondrogenic Differentiation of Stem Cells. Journal of Nanoscience and Nanotechnology, 2016, 16, 8966-8977. | 0.9 | 3 |
| 39 | Material properties of degradable Poly(butylene succinate-co-fumarate) copolymer networks synthesized by polycondensation of pre-homopolyesters. Polymer, 2016, 98, 70-79. | 3.8 | 25 |
| 40 | Effect of surface modification of nanofibres with glutamic acid peptide on calcium phosphate nucleation and osteogenic differentiation of marrow stromal cells. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, E132-E146. | 2.7 | 51 |
| 41 | Cube-octameric silsesquioxane-mediated cargo copper Schiff base for efficient click reaction in aqueous media. Journal of Molecular Catalysis A, 2016, 414, 47-54. | 4.8 | 59 |
| 42 | The matrix reloaded: the evolution of regenerative hydrogels. Materials Today, 2016, 19, 190-196. | 14.2 | 39 |
| 43 | Comparative effect of physicomechanical and biomolecular cues on zone-specific chondrogenic differentiation of mesenchymal stem cells. Biomaterials, 2016, 92, 57-70. | 11.4 | 46 |
| 44 | Spatiotemporal release of BMP-2 and VEGF enhances osteogenic and vasculogenic differentiation of human mesenchymal stem cells and endothelial colony-forming cells co-encapsulated in a patterned hydrogel. Journal of Controlled Release, 2016, 223, 126-136. | 9.9 | 124 |
| 45 | Nanoengineered Hydrogels for Cell Engineering. , 2016, , 2379-2384. | | 0 |
| 46 | Optimum 3D Matrix Stiffness for Maintenance of Cancer Stem Cells Is Dependent on Tissue Origin of Cancer Cells. PLoS ONE, 2015, 10, e0132377. | 2.5 | 97 |
| 47 | Osteogenic differentiation of human mesenchymal stem cells in freeze-gelled chitosan/nano Î²-tricalcium phosphate porous scaffolds crosslinked with genipin. Materials Science and Engineering C, 2015, 54, 76-83. | 7.3 | 52 |
| 48 | Effect of Organic Acids on Calcium Phosphate Nucleation and Osteogenic Differentiation of Human Mesenchymal Stem Cells on Peptide Functionalized Nanofibers. Langmuir, 2015, 31, 5130-5140. | 3.5 | 34 |
| 49 | Purification of high-quality RNA from synthetic polyethylene glycol-based hydrogels. Analytical Biochemistry, 2015, 484, 1-3. | 2.4 | 11 |
| 50 | Morphogenic Peptides in Regeneration of Load Bearing Tissues. Advances in Experimental Medicine and Biology, 2015, 881, 95-110. | 1.6 | 10 |
| 51 | Hydrogels for Cell Encapsulation and Bioprinting. Pancreatic Islet Biology, 2015, , 89-108. | 0.3 | 3 |
| 52 | Gelation characteristics, physico-mechanical properties and degradation kinetics of micellar hydrogels. European Polymer Journal, 2015, 72, 566-576. | 5.4 | 18 |
| 53 | A developmentally inspired combined mechanical and biochemical signaling approach on zonal lineage commitment of mesenchymal stem cells in articular cartilage regeneration. Integrative Biology (United Kingdom), 2015, 7, 112-127. | 1.3 | 42 |
| 54 | Experimental and Computational Investigation of the Effect of Hydrophobicity on Aggregation and Osteoinductive Potential of BMP-2-Derived Peptide in a Hydrogel Matrix. Tissue Engineering - Part A, 2015, 21, 134-146. | 3.1 | 19 |

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|---|---|---|---|
| 55 | Effect of grafting BMP2-derived peptide to nanoparticles on osteogenic and vasculogenic expression of stromal cells. Journal of Tissue Engineering and Regenerative Medicine, 2014, 8, 15-28. | 2.7 | 21 |
| 56 | Liposome encapsulation of curcumin: Physico-chemical characterizations and effects on MCF7 cancer cell proliferation. International Journal of Pharmaceutics, 2014, 461, 519-528. | 5.2 | 164 |
| 57 | Time dependence of material properties of polyethylene glycol hydrogels chain extended with short hydroxy acid segments. Polymer, 2014, 55, 3894-3904. | 3.8 | 22 |
| 58 | BIOINSPIRED ENGINEERED MATRIX TO REGULATE CANCER STEM CELL NICHE. World Scientific Series in Nanoscience and Nanotechnology, 2014, , 1257-1274. | 0.1 | 0 |
| 59 | Nanostructure Formation in Hydrogels. , 2014, , 285-297. | | 3 |
| 60 | Abstract 169: Maintenance of breast cancer stem cells in an inert matrix is mediated by mesenchymal stem cells in the tumor stroma. , 2014, , . | | 0 |
| 61 | Three-Dimensional-Engineered Matrix to Study Cancer Stem Cells and Tumorsphere Formation: Effect of Matrix Modulus. Tissue Engineering - Part A, 2013, 19, 669-684. | 3.1 | 68 |
| 62 | Nanostructure Formation and Transition from Surface to Bulk Degradation in Polyethylene Glycol Gels Chain-Extended with Short Hydroxy Acid Segments. Biomacromolecules, 2013, 14, 2917-2928. | 5.4 | 20 |
| 63 | A Fresh Look at the Male-specific Region of the Human Y Chromosome. Journal of Proteome Research, 2013, 12, 6-22. | 3.7 | 52 |
| 64 | Drug release kinetics, cell uptake, and tumor toxicity of hybrid VVVVVVKK peptide-assembled polylactide nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 49-62. | 4.3 | 42 |
| 65 | Effect of CD44 Binding Peptide Conjugated to an Engineered Inert Matrix on Maintenance of Breast Cancer Stem Cells and Tumorsphere Formation. PLoS ONE, 2013, 8, e59147. | 2.5 | 35 |
| 66 | Osteogenic Peptides in Bone Regeneration. Current Pharmaceutical Design, 2013, 19, 3391-3402. | 1.9 | 28 |
| 67 | Effect of BMP-2 Derived Peptide Grafted to Nanoparticles on Differentiation of Stromal Cells. Materials Research Society Symposia Proceedings, 2012, 1417, 81. | 0.1 | 0 |
| 68 | Gelation Characteristics and Encapsulation of Stromal Cells in Star Acrylate-Functionalized Poly(ethylene glycol-co-lactide) Macromonomers. Materials Research Society Symposia Proceedings, 2012, 1403, 67. | 0.1 | 0 |
| 69 | Mesoscale Simulation of the Structure of Star Acrylated Poly(ethylene glycol-co-lactide) Hydrogels. Materials Research Society Symposia Proceedings, 2012, 1418, 93. | 0.1 | 0 |
| 70 | Matrix Modulus Affects Invasion Rate of Tumor Cells through Synthetic Hydrogels. Materials Research Society Symposia Proceedings, 2012, 1418, 45. | 0.1 | 0 |
| 71 | Nanomedicine. , 2012, , 1644-1644. | | 0 |
| 72 | Mesoscale Simulation of the Effect of a Lactide Segment on the Nanostructure of Star Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Chemistry B, 2012, 116, 1536-1543. | 2.6 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Mammalian PER2 regulates AKT activation and DNA damage response. Biochemistry and Cell Biology, 2012, 90, 675-682. | 2.0 | 22 |
| 74 | Nanostructures for Coloration (Organisms other than Animals). , 2012, , 1790-1803. | | 0 |
| 75 | Combined Effect of Osteopontin and BMP-2 Derived Peptides Grafted to an Adhesive Hydrogel on Osteogenic and Vasculogenic Differentiation of Marrow Stromal Cells. Langmuir, 2012, 28, 5387-5397. | 3.5 | 53 |
| 76 | Gelation Characteristics and Osteogenic Differentiation of Stromal Cells in Inert Hydrolytically Degradable Micellar Polyethylene Glycol Hydrogels. Biomacromolecules, 2012, 13, 2073-2086. | 5.4 | 45 |
| 77 | Nano-FET. , 2012, , 1543-1543. | | 0 |
| 78 | Abstract LB-492: CD44 binding peptide attached to an engineered matrix prevents the formation of CSC tumorspheres. , 2012, , . | | 0 |
| 79 | Autoinductive Scaffolds for Osteogenic Differentiation of Mesenchymal Stem Cells. , 2012, , 169-184. | | 0 |
| 80 | Nanoscale tissue engineering: spatial control over cell-materials interactions. Nanotechnology, 2011, 22, 212001. | 2.6 | 100 |
| 81 | Synthesis and gelation characteristics of photo-crosslinkable star Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td ( | 3.8 | 32 |
| 82 | Bioconjugation of hydrogels for tissue engineering. Current Opinion in Biotechnology, 2011, 22, 655-660. | 6.6 | 69 |
| 83 | Osteogenic Differentiation of Marrow Stromal Cells on Random and Aligned Electrospun Poly(l-lactide) Nanofibers. Annals of Biomedical Engineering, 2011, 39, 14-25. | 2.5 | 84 |
| 84 | ENGINEERING THE TISSUE EXTRACELLULAR MATRIX WITH HYBRID BIOMATERIALS. , 2010, , 1-11. | | 1 |
| 85 | Migration of marrow stromal cells in response to sustained release of stromal-derived factor-1Î± from poly(lactide ethylene oxide fumarate) hydrogels. International Journal of Pharmaceutics, 2010, 390, 107-116. | 5.2 | 61 |
| 86 | Effect of encapsulation or grafting on release kinetics of recombinant human bone morphogenetic proteinâ€2 from selfâ€assembled poly(lactideâ€<i>co</i>â€glycolide ethylene oxide fumarate) nanoparticles. Microscopy Research and Technique, 2010, 73, 824-833. | 2.2 | 12 |
| 87 | Material properties and osteogenic differentiation of marrow stromal cells on fiber-reinforced laminated hydrogel nanocomposites. Acta Biomaterialia, 2010, 6, 1992-2002. | 8.3 | 80 |
| 88 | Regulation of osteogenic differentiation of rat bone marrow stromal cells on 2D nanorod substrates. Biomaterials, 2010, 31, 1732-1741. | 11.4 | 128 |
| 89 | Effect of sustained release of bone morphogenetic protein on osteogenic expression of mesenchymal stem cells. , 2010, 2010, 3733-5. | | 1 |
| 90 | Role of substrate microstructure on osteogenic differentiation of mesenchymal stem cells. , 2010, 2010, 3543-5. | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Material properties and bone marrow stromal cells response to <i>In situ</i> crosslinkable RGDâ€functionlized lactideâ€<i>co</i>â€glycolide scaffolds. Journal of Biomedical Materials Research - Part A, 2009, 89A, 124-137. | 4.0 | 19 |
| 92 | Engineering bone formation with peptidomimetic hybrid biomaterials. , 2009, 2009, 1172-5. | | 1 |
| 93 | Synthesis and Characterization of Peptidomimetic Self-Assembled Biodegradable Nanoparticles. Materials Research Society Symposia Proceedings, 2009, 1238, 1. | 0.1 | 0 |
| 94 | Migration of Marrow Stromal Cells in Response to Sustained Release of Stromal-Derived Factor-1Î± from Poly(lactide ethylene oxide fumarate) Hydrogels. Materials Research Society Symposia Proceedings, 2009, 1235, 1. | 0.1 | 0 |
| 95 | Marrow Stromal Cell Reponse to Fiber-Reinforced Laminated Nanocomposites. Materials Research Society Symposia Proceedings, 2009, 1235, 1. | 0.1 | 0 |
| 96 | Release characteristics and osteogenic activity of recombinant human bone morphogenetic protein-2 grafted to novel self-assembled poly(lactide-co-glycolide fumarate) nanoparticles. Journal of Controlled Release, 2009, 140, 148-156. | 9.9 | 42 |
| 97 | Analysis of cell locomotion on ligand gradient substrates. Biotechnology and Bioengineering, 2009, 103, 424-429. | 3.3 | 29 |
| 98 | Targeted Delivery with Peptidomimetic Conjugated Self-Assembled Nanoparticles. Pharmaceutical Research, 2009, 26, 612-630. | 3.5 | 23 |
| 99 | Cytotoxicity of Paclitaxel in Biodegradable Self-Assembled Core-Shell Poly(Lactide-Co-Glycolide) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 3.5 | 50 |
| 100 | Synthesis and characterization of bioresorbable in situ crosslinkable ultra low molecular weight poly(lactide) macromer. Journal of Materials Science: Materials in Medicine, 2008, 19, 311-318. | 3.6 | 37 |
| 101 | Osteonectin-derived peptide increases the modulus of a bone-mimetic nanocomposite. European Biophysics Journal, 2008, 37, 229-234. | 2.2 | 28 |
| 102 | A model for the viscoelastic behavior of nanofilled hydrogel composites under oscillatory shear loading. Polymer Composites, 2008, 29, 326-336. | 4.6 | 15 |
| 103 | Concurrent Differentiation of Marrow Stromal Cells to Osteogenic and Vasculogenic Lineages. Macromolecular Bioscience, 2008, 8, 499-507. | 4.1 | 28 |
| 104 | Modeling the kinetics of cell membrane spreading on substrates with ligand density gradient. Journal of Biomechanics, 2008, 41, 921-925. | 2.1 | 8 |
| 105 | The Role of Filler-Matrix Interaction on Viscoelastic Response of Biomimetic Nanocomposite Hydrogels. Journal of Nanomaterials, 2008, 2008, 1-9. | 2.7 | 14 |
| 106 | Effect of Grafting RGD and BMP-2 Protein-Derived Peptides to a Hydrogel Substrate on Osteogenic Differentiation of Marrow Stromal Cells. Langmuir, 2008, 24, 12508-12516. | 3.5 | 186 |
| 107 | The release characteristics of a model protein from self-assembled succinimide-terminated poly(lactide-co-glycolide ethylene oxide fumarate) nanoparticles. Nanotechnology, 2008, 19, 325609. | 2.6 | 17 |
| 108 | Fabrication of Biomimetic Scaffolds With Well-Defined Pore Geometry by Fused Deposition Modeling. , 2007, , 71. | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Effect of Ligand Density Gradient on the Adhesion Kinetics of Biological Membranes. Materials Research Society Symposia Proceedings, 2007, 1063, 1. | 0.1 | 0 |
| 110 | Effect of a low-molecular-weight cross-linkable macromer on electrospinning of poly(lactide-co-glycolide) fibers. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 1369-1385. | 3.5 | 10 |
| 111 | The Role of Polymer-particle Interactions on the Viscoelastic Properties of Polymer Nanocomposites. Materials Research Society Symposia Proceedings, 2007, 1056, 1. | 0.1 | 0 |
| 112 | Swelling characteristics of acrylic acid polyelectrolyte hydrogel in a dc electric field. Smart Materials and Structures, 2007, 16, 1614-1620. | 3.5 | 41 |
| 113 | Material Properties and Cytocompatibility of Injectable MMP Degradable Poly(lactide ethylene oxide) Tj ETQq1 1 0.784314 rgBT /Overlo | 5.4 | 96 |
| 114 | Viscoelastic Characterization and Modeling of Gelation Kinetics of Injectable In Situ Cross-Linkable Poly(lactide-co-ethylene oxide-co-fumarate) Hydrogels. Biomacromolecules, 2007, 8, 406-415. | 5.4 | 65 |
| 115 | Effect of osteonectin-derived peptide on the viscoelasticity of hydrogel/apatite nanocomposite scaffolds. Biopolymers, 2007, 85, 370-378. | 2.4 | 51 |
| 116 | Modeling the Viscoelastic Response of Suspension of Particles in Polymer Solution: The Effect of Polymer-Particle Interactions. Macromolecular Theory and Simulations, 2007, 16, 378-385. | 1.4 | 47 |
| 117 | Effect of composition on gelation kinetics of unfilled and nanoapatite-filled poly(lactide-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 2.6 | 5 |
| 118 | Gelation and degradation characteristics of in situ photo-crosslinked poly(l-lactide-co-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 | 3.8 | 49 |
| 119 | Animal Models for Evaluation of Tissue-Engineered Orthopedic Implants. , 2007, , 16-1-16-10. | | 0 |
| 120 | Fabrication and Characterization of Poly(Propylene Fumarate) Scaffolds with Controlled Pore Structures Using 3-Dimensional Printing and Injection Molding. Tissue Engineering, 2006, 12, 2801-2811. | 4.6 | 127 |
| 121 | Modeling and Experimental Investigation of Rheological Properties of Injectable Poly(lactide ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo | 5.4 | 46 |
| 122 | Effect of surface polarity on wettability and friction coefficient of silicone rubber/poly(acrylic acid) hydrogel composite. Colloid and Polymer Science, 2006, 284, 1411-1417. | 2.1 | 17 |
| 123 | Monte Carlo Simulation of Degradation of Porous Poly(lactide) Scaffolds, 1. Macromolecular Theory and Simulations, 2006, 15, 643-653. | 1.4 | 40 |
| 124 | Solid-Phase Synthesis of Reactive Peptide Crosslinker by Selective Deprotection. Protein and Peptide Letters, 2006, 13, 715-718. | 0.9 | 21 |
| 125 | biomimetic Hydrogel/apatite Nanocomposite Scaffolds for Bone Regeneration. Materials Research Society Symposia Proceedings, 2005, 897, 1. | 0.1 | 3 |
| 126 | Effects of Dynamic Fluid Pressure on Chondrocytes Cultured in Biodegradable Poly(glycolic acid) Fibrous Scaffolds. Tissue Engineering, 2005, 11, 1852-1859. | 4.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Synthesis, Material Properties, and Biocompatibility of a Novel Self-Cross-Linkable Poly(caprolactone) Tj ETQq1 1 0.784314 rgBT /Overlo | 5.4 | 104 |
| 128 | Release characteristics of a model plasmid DNA encapsulated in biodegradable poly(ethylene glycol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.8 | 15 |
| 129 | Animal models of spinal cord injury for evaluation of tissue engineering treatment strategies. Biomaterials, 2004, 25, 1505-1510. | 11.4 | 111 |
| 130 | Swelling behavior and cell viability of dehydrothermally crosslinked poly(vinyl alcohol) hydrogel grafted withN-vinyl pyrrolidone or acrylic acid using ?-radiation. Journal of Applied Polymer Science, 2004, 91, 2862-2868. | 2.6 | 22 |
| 131 | In vitro osteogenic differentiation of marrow stromal cells encapsulated in biodegradable hydrogels. Journal of Biomedical Materials Research Part B, 2004, 70A, 235-244. | 3.1 | 122 |
| 132 | Development of biodegradable poly(propylene fumarate)/poly(lactic-co-glycolic acid) blend microspheres. I. Preparation and characterization. Journal of Biomedical Materials Research Part B, 2004, 70A, 283-292. | 3.1 | 20 |
| 133 | Development of biodegradable poly(propylene fumarate)/poly(lactic-co-glycolic acid) blend microspheres. II. Controlled drug release and microsphere degradation. Journal of Biomedical Materials Research Part B, 2004, 70A, 293-302. | 3.1 | 23 |
| 134 | Quantitative analysis of interconnectivity of porous biodegradable scaffolds with micro-computed tomography. Journal of Biomedical Materials Research Part B, 2004, 71A, 258-267. | 3.1 | 140 |
| 135 | Thermally Cross-Linked Oligo(poly(ethylene glycol) fumarate) Hydrogels Support Osteogenic Differentiation of Encapsulated Marrow Stromal Cells In Vitro. Biomacromolecules, 2004, 5, 5-10. | 5.4 | 144 |
| 136 | Morphology and structure of microcapsules prepared by interfacial polycondensation of methylene bis(phenyl isocyanate) with hexamethylene diamine. Journal of Microencapsulation, 2001, 18, 801-809. | 2.8 | 9 |
| 137 | Monte Carlo simulation of tri-functional branching and tetra-functional crosslinking in emulsion polymerization of butadiene. Polymer, 2001, 42, 4873-4884. | 3.8 | 21 |
| 138 | Swelling behavior of acrylic acid hydrogels prepared by Î³-radiation crosslinking of polyacrylic acid in aqueous solution. European Polymer Journal, 2000, 36, 2685-2692. | 5.4 | 226 |
| 139 | Morphology of and release behavior from porous polyurethane microspheres. Biomaterials, 2000, 21, 2073-2079. | 11.4 | 67 |
| 140 | Quantitative measurement of interdiffusion at polymerâ€“polymer interfaces with TEM/EDS and EELS. Journal of Applied Polymer Science, 1995, 57, 775-779. | 2.6 | 7 |
| 141 | Comparison of interdiffusion at polystyreneâ€“poly(vinyl methyl ether) and polystyreneâ€“poly(isobutyl) Tj ETQq1 1 0.784314 rgBT /Ov | 3.1 | 8 |
| 142 | A model for interdiffusion at interfaces of polymers with dissimilar physical properties. Polymer, 1995, 36, 575-586. | 3.8 | 51 |
| 143 | Matrix Effects on Interdiffusion at the Polystyrene and Poly(vinyl methyl ether) Interface. Macromolecules, 1995, 28, 6229-6237. | 4.8 | 21 |
| 144 | Polymer-Polymer Interdiffusion and Adhesion. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1994, 34, 205-241. | 2.2 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Evidence of mucoadhesion by chain interpenetration at a poly (acrylic acid)/mucin interface using ATR-FTIR spectroscopy. Journal of Controlled Release, 1993, 26, 99-108. | 9.9 | 115 |
| 146 | Use of ATR-FTIR to study interdiffusion in polystyrene and poly(vinyl methyl ether). Macromolecules, 1993, 26, 2175-2186. | 4.8 | 108 |
| 147 | Mapping the concentration profile at the poly(vinyl chloride)/poly(ethyl methacrylate) interface. Polymer Bulletin, 1991, 27, 305-309. | 3.3 | 9 |
| 148 | Bone-Mimetic Laminated Nano-Structures for Regeneration of Skeletal Tissues. Advances in Science and Technology, 0, , . | 0.2 | 0 |
| 149 | Developmentally Inspired Approach to Cartilage Tissue Engineering. Advances in Science and Technology, 0, , . | 0.2 | 0 |