

Masayuki Ishihara

List of Publications by Year in descending order

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142
papers

6,038
citations

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143
all docs

143
docs citations

143
times ranked

6483
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recent Progress on Heparinâ€‘Protamine Particles for Biomedical Application. <i>Polymers</i> , 2022, 14, 932. | 4.5 | 6 |
| 2 | Recent Progress in the Development of Disinfectants from Scallop Shell-Derived Calcium Oxide for Clinical and Daily Use. <i>Biocontrol Science</i> , 2021, 26, 129-135. | 0.8 | 2 |
| 3 | Efficacy of Bioshell Calcium Oxide Water as Disinfectants to Enable Face Mask Reuse. <i>Biocontrol Science</i> , 2021, 26, 27-35. | 0.8 | 4 |
| 4 | Effectivity of Scallop Shell-Derived Calcium Oxide Water in Comparison with Hypochlorous Acid and Ethanol as General-Purpose Disinfectants for Environmental Surfaces. <i>Japanese Journal of Environmental Infections</i> , 2021, 36, 292-298. | 0.1 | 0 |
| 5 | Safety of Concentrated Bioshell Calcium Oxide Water Application for Surface and Skin Disinfections against Pathogenic Microbes. <i>Molecules</i> , 2020, 25, 4502. | 3.8 | 11 |
| 6 | Bioshell calcium oxide (BiSCaO) for cleansing and healing <i>Pseudomonas aeruginosa</i> â€‘infected wounds in hairless rats. <i>Bio-Medical Materials and Engineering</i> , 2020, 31, 95-105. | 0.6 | 6 |
| 7 | Concentrated Bioshell Calcium Oxide (BiSCaO) Water Kills Pathogenic Microbes: Characterization and Activity. <i>Molecules</i> , 2020, 25, 3001. | 3.8 | 9 |
| 8 | Bioshell Calcium Oxide-Containing Liquids as a Sanitizer for the Reduction of Histamine Production in Raw Japanese Pilchard, Japanese Horse Mackerel, and Chub Mackerel. <i>Foods</i> , 2020, 9, 964. | 4.3 | 4 |
| 9 | Development of Novel Heparin/Protamine Nanoparticles Useful for Delivery of Exogenous Proteins In Vitro and In Vivo. <i>Nanomaterials</i> , 2020, 10, 1584. | 4.1 | 7 |
| 10 | Hydrodynamics-Based Transplacental Delivery as a Useful Noninvasive Tool for Manipulating Fetal Genome. <i>Cells</i> , 2020, 9, 1744. | 4.1 | 5 |
| 11 | Bioshell Calcium Oxide (BiSCaO) Ointment for the Disinfection and Healing of <i>Pseudomonas aeruginosa</i> -Infected Wounds in Hairless Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4176. | 4.1 | 9 |
| 12 | Ultraviolet Irradiation Enhances the Microbicidal Activity of Silver Nanoparticles by Hydroxyl Radicals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3204. | 4.1 | 16 |
| 13 | Skin Cleansing Technique with Disinfectant using Improved High-Velocity Steam-Air Micromist Jet Spray. <i>Biocontrol Science</i> , 2020, 25, 35-39. | 0.8 | 10 |
| 14 | Healing of <i>Pseudomonas aeruginosa</i> -infected wounds in diabetic db/db mice by weakly acidic hypochlorous acid cleansing and silver nanoparticle/chitin-nanofiber sheet covering. <i>Wound Medicine</i> , 2020, 28, 100183. | 2.7 | 19 |
| 15 | Fibroblast growth factorâ€‘2 and interleukinâ€‘4 synergistically induce eotaxinâ€‘1 expression in adipose tissueâ€‘derived stromal cells. <i>Cell Biology International</i> , 2020, 44, 1124-1132. | 3.0 | 1 |
| 16 | Synthesis and Application of Silver Nanoparticles (Ag NPs) for the Prevention of Infection in Healthcare Workers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3620. | 4.1 | 175 |
| 17 | Preparation and Application of Bioshell Calcium Oxide (BiSCaO) Nanoparticle-Dispersions with Bactericidal Activity. <i>Molecules</i> , 2019, 24, 3415. | 3.8 | 19 |
| 18 | Comparison of Various Disinfectants on Bactericidal Activity Under Organic Matter Contaminated Environments. <i>Biocontrol Science</i> , 2019, 24, 103-108. | 0.8 | 20 |

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|----|--|------|-----------|
| 19 | Polyelectrolyte Complexes of Natural Polymers and Their Biomedical Applications. <i>Polymers</i> , 2019, 11, 672. | 4.5 | 80 |
| 20 | Heparinoid Complex-Based Heparin-Binding Cytokines and Cell Delivery Carriers. <i>Molecules</i> , 2019, 24, 4630. | 3.8 | 8 |
| 21 | Transplacental Gene Delivery (TPGD) as a Noninvasive Tool for Fetal Gene Manipulation in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5926. | 4.1 | 11 |
| 22 | Application of Colloidal Dispersions of Bioshell Calcium Oxide (BiSCaO) for Disinfection. <i>Polymers</i> , 2019, 11, 1991. | 4.5 | 10 |
| 23 | Transplacental delivery of genome editing components causes mutations in embryonic cardiomyocytes of mid-gestational murine fetuses. <i>IUBMB Life</i> , 2019, 71, 835-844. | 3.4 | 9 |
| 24 | FGF-2-containing dalteparin/protamine nanoparticles (FGF-2&D/P NPs) ameliorate UV-induced skin photoaging in hairless mice. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2018, 52, 375-381. | 0.8 | 3 |
| 25 | Biomaterials as cell carriers for augmentation of adipose tissue-derived stromal cell transplantation. <i>Bio-Medical Materials and Engineering</i> , 2018, 29, 567-585. | 0.6 | 14 |
| 26 | Behavior of Nitrate-Nitrogen and Nitrite-Nitrogen in Drinking Water. <i>Biocontrol Science</i> , 2018, 23, 139-143. | 0.8 | 18 |
| 27 | Intravenous Delivery of piggyBac Transposons as a Useful Tool for Liver-Specific Gene-Switching. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3452. | 4.1 | 10 |
| 28 | Disinfection of <i>Pseudomonas aeruginosa</i> -infected wounds in diabetic db/db mice by weakly acidic hypochlorous acid. <i>Wound Medicine</i> , 2018, 23, 1-5. | 2.7 | 9 |
| 29 | Protective effect of FGF-2 and low-molecular-weight heparin/protamine nanoparticles on radiation-induced healing-impaired wound repair in rats. <i>Journal of Radiation Research</i> , 2018, 59, 27-34. | 1.6 | 23 |
| 30 | Development of Mucoadhesive Chitosan Derivatives for Use as Submucosal Injections. <i>Polymers</i> , 2018, 10, 410. | 4.5 | 4 |
| 31 | Feasibility of improving platelet-rich plasma therapy by using chitosan with high platelet activation ability. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 1176-1180. | 1.8 | 21 |
| 32 | Improved Survival of Full-Thickness Skin Graft With Low-Molecular Weight Heparin-Protamine Micro/Nanoparticles Including Platelet-Rich Plasma. <i>Annals of Plastic Surgery</i> , 2017, 78, 562-568. | 0.9 | 7 |
| 33 | Cleansing technique using high-velocity steam-air micromist jet spray. <i>Journal of Medical Engineering and Technology</i> , 2017, 41, 522-528. | 1.4 | 9 |
| 34 | Characterization of a water-soluble chitosan derivative and its potential for submucosal injection in endoscopic techniques. <i>Carbohydrate Polymers</i> , 2017, 175, 592-600. | 10.2 | 21 |
| 35 | <i>In vitro</i> and <i>in vivo</i> gene delivery using chitosan/hyaluronic acid nanoparticles: Influences of molecular mass of hyaluronic acid and lyophilization on transfection efficiency. <i>Journal of Gene Medicine</i> , 2017, 19, e2968. | 2.8 | 24 |
| 36 | Stability of Weakly Acidic Hypochlorous Acid Solution with Microbicidal Activity. <i>Biocontrol Science</i> , 2017, 22, 223-227. | 0.8 | 53 |

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|----|--|-----|-----------|
| 37 | Enhanced effect of fibroblast growth factor-2-containing dalteparin/protamine nanoparticles on hair growth. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2016, 9, 127. | 1.8 | 19 |
| 38 | Cytotoxicity of Silver Nanoparticle and Chitin-Nanofiber Sheet Composites Caused by Oxidative Stress. <i>Nanomaterials</i> , 2016, 6, 189. | 4.1 | 28 |
| 39 | Low-molecular weight heparin protamine complex augmented the potential of adipose-derived stromal cells to ameliorate limb ischemia. <i>Atherosclerosis</i> , 2016, 249, 132-139. | 0.8 | 14 |
| 40 | Changes in blood aggregation with differences in molecular weight and degree of deacetylation of chitosan. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 015014. | 3.3 | 75 |
| 41 | Application of hydrogels as submucosal fluid cushions for endoscopic mucosal resection and submucosal dissection. <i>Journal of Artificial Organs</i> , 2015, 18, 191-198. | 0.9 | 11 |
| 42 | Altered protein secretions during interactions between adipose tissue- or bone marrow-derived stromal cells and inflammatory cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 70. | 5.5 | 15 |
| 43 | Improved angiogenesis and healing in crush syndrome by fibroblast growth factor-2-containing low-molecular-weight heparin (Fragmin)/protamine nanoparticles. <i>Journal of Surgical Research</i> , 2015, 196, 247-257. | 1.6 | 15 |
| 44 | Enhanced healing of mitomycin C-treated healing-impaired wounds in rats with PRP-containing fragmin/protamine microparticles (PRP&F/P MPs). <i>Journal of Plastic Surgery and Hand Surgery</i> , 2015, 49, 268-274. | 0.8 | 8 |
| 45 | Liver Lobe and Strain Difference in Gene Expression After Hydrodynamics-Based Gene Delivery in Mice. <i>Animal Biotechnology</i> , 2015, 26, 51-57. | 1.5 | 8 |
| 46 | Adsorption of Silver Nanoparticles onto Different Surface Structures of Chitin/Chitosan and Correlations with Antimicrobial Activities. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13973-13988. | 4.1 | 77 |
| 47 | Biomedical Application of Low Molecular Weight Heparin/Protamine Nano/Micro Particles as Cell- and Growth Factor-Carriers and Coating Matrix. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11785-11803. | 4.1 | 17 |
| 48 | Platelet-rich plasma-containing fragmin-protamine micro-nanoparticles promote epithelialization and angiogenesis in split-thickness skin graft donor sites. <i>Journal of Surgical Research</i> , 2015, 193, 483-491. | 1.6 | 19 |
| 49 | Development of antimicrobial biomaterials produced from chitin-nanofiber sheet/silver nanoparticle composites. <i>Journal of Nanobiotechnology</i> , 2014, 12, 49. | 9.1 | 50 |
| 50 | Improved survival rate by temperature control at compression sites in rat model of crush syndrome. <i>Journal of Surgical Research</i> , 2014, 188, 250-259. | 1.6 | 12 |
| 51 | Protective effect of inhalation of hydrogen gas on radiation-induced dermatitis and skin injury in rats. <i>Journal of Radiation Research</i> , 2014, 55, 1107-1113. | 1.6 | 36 |
| 52 | Three-dimensional culture using human plasma-medium gel with fragmin/protamine microparticles for proliferation of various human cells. <i>Cytotechnology</i> , 2014, 66, 791-802. | 1.6 | 6 |
| 53 | Rapid screening for influenza using a multivariable logistic regression model to save labor at a clinic in Iwaki, Fukushima, Japan. <i>American Journal of Infection Control</i> , 2014, 42, 551-553. | 2.3 | 4 |
| 54 | Effective Wound Healing in Streptozotocin-Induced Diabetic Rats by Adipose-Derived Stromal Cell Transplantation in Plasma-Gel Containing Fragmin/Protamine Microparticles. <i>Annals of Plastic Surgery</i> , 2014, 72, 113-120. | 0.9 | 11 |

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|----|---|-----|-----------|
| 55 | Ultraviolet light-irradiated photocrosslinkable chitosan hydrogel to prevent bone formation in both rat skull and fibula bone defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 720-728. | 2.7 | 9 |
| 56 | Effective expansion of human adipose-derived stromal cells and bone marrow-derived mesenchymal stem cells cultured on a fragmin/protamine nanoparticles-coated substratum with human platelet-rich plasma. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 955-964. | 2.7 | 16 |
| 57 | <i>In vivo</i> gene transfer using pDNA/chitosan/chondroitin sulfate ternary complexes: influence of chondroitin sulfate on the stability of freeze-dried complexes and transgene expression <i>in vivo</i> . <i>Journal of Gene Medicine</i> , 2013, 15, 83-92. | 2.8 | 12 |
| 58 | Antiviral activity of silver nanoparticle/chitosan composites against H1N1 influenza A virus. <i>Nanoscale Research Letters</i> , 2013, 8, 93. | 5.7 | 255 |
| 59 | Effects of platelet-rich plasma-containing fragmin/protamine microparticles in enhancing endothelial and smooth muscle cell growth and inducing collateral vessels in a rabbit model of hindlimb ischemia. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 36-42. | 3.4 | 17 |
| 60 | Fragmin/protamine microparticles to adsorb and protect HGF and to function as local HGF carriers in vivo. <i>Acta Biomaterialia</i> , 2013, 9, 4763-4770. | 8.3 | 17 |
| 61 | Preparation of Size-Controlled Silver Nanoparticles and Chitin-Based Composites and Their Antimicrobial Activities. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7. | 2.7 | 15 |
| 62 | Interaction of Silver Nanoparticles and Chitin Powder with Different Sizes and Surface Structures: The Correlation with Antimicrobial Activities. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9. | 2.7 | 7 |
| 63 | Improvement of Hydrodynamics-Based Gene Transfer of Nonviral DNA Targeted to Murine Hepatocytes. <i>BioMed Research International</i> , 2013, 2013, 1-9. | 1.9 | 14 |
| 64 | Preparation of size-controlled silver nanoparticles and chitosan-based composites and their anti-microbial activities. <i>Bio-Medical Materials and Engineering</i> , 2013, 23, 473-483. | 0.6 | 13 |
| 65 | Transplantation of inbred adipose-derived stromal cells in rats with plasma gel containing fragmin/protamine microparticles and FGF-2. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 784-791. | 3.4 | 7 |
| 66 | Development of a Novel Emergency Hemostatic Kit for Severe Hemorrhage. <i>Artificial Organs</i> , 2013, 37, 475-481. | 1.9 | 5 |
| 67 | Low Oxygen Tension Enhances Proliferation and Maintains Stemness of Adipose Tissue-Derived Stromal Cells. <i>BioResearch Open Access</i> , 2013, 2, 199-205. | 2.6 | 59 |
| 68 | Angiogenesis following Cell Injection is Induced by an Excess Inflammatory Response Coordinated by Bone Marrow Cells. <i>Cell Transplantation</i> , 2013, 22, 2381-2392. | 2.5 | 6 |
| 69 | Attenuation of Limb Loss in an Experimentally Induced Hindlimb Ischemic Model by Fibroblast Growth Factor-2/Fragmin/Protamine Microparticles as a Delivery System. <i>Tissue Engineering - Part A</i> , 2012, 18, 2239-2247. | 3.1 | 13 |
| 70 | Novel hydrocolloid-sheet as wound dressing to stimulate healing-impaired wound healing in diabetic db/db mice. <i>Bio-Medical Materials and Engineering</i> , 2012, 22, 301-310. | 0.6 | 21 |
| 71 | Delivery system for autologous growth factors fabricated with low-molecular-weight heparin and protamine to attenuate ischemic hind-limb loss in a mouse model. <i>Journal of Artificial Organs</i> , 2012, 15, 375-385. | 0.9 | 8 |
| 72 | Three-Dimensional Expansion Using Plasma-Medium Gel with Fragmin/Protamine Nanoparticles and FGF-2 to Stimulate Adipose-Derived Stromal Cells and Bone Marrow-Derived Mesenchymal Stem Cells. <i>BioResearch Open Access</i> , 2012, 1, 314-323. | 2.6 | 9 |

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|----|--|-----|-----------|
| 73 | Endoscopic submucosal dissection for pig esophagus by using photocrosslinkable chitosan hydrogel as submucosal fluid cushion. <i>Gastrointestinal Endoscopy</i> , 2012, 75, 841-848. | 1.0 | 29 |
| 74 | Novel Experimental and Clinical Therapeutic Uses of Low-Molecular-Weight Heparin/Protamine Microparticles. <i>Pharmaceutics</i> , 2012, 4, 42-57. | 4.5 | 9 |
| 75 | PRP&F/P MPs Improved Survival of Dorsal Paired Pedicle Skin Flaps in Rats. <i>Journal of Surgical Research</i> , 2011, 170, e189-e196. | 1.6 | 34 |
| 76 | Efficacy of fragmin/protamine microparticles containing fibroblast growth factor-2 (F/P MPs/FGF-2) to induce collateral vessels in a rabbit model of hindlimb ischemia. <i>Journal of Vascular Surgery</i> , 2011, 54, 791-798. | 1.1 | 21 |
| 77 | Simple and environmentally friendly preparation and size control of silver nanoparticles using an inhomogeneous system with silver-containing glass powder. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2799-2806. | 1.9 | 28 |
| 78 | Fragmin/Protamine Microparticles (F/P MPs) as Cell Carriers Enhance the Formation and Growth of Tumors In Vivo. <i>Cellular and Molecular Bioengineering</i> , 2011, 4, 476-483. | 2.1 | 5 |
| 79 | Increased survival of free fat grafts and vascularization in rats with local delivery of fragmin/protamine microparticles containing FGF-2 (F/P MP&F). <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 96B, 234-241. | 3.4 | 24 |
| 80 | Enhancement of vascularization and granulation tissue formation by growth factors in human platelet-rich plasma&containing fragmin/protamine microparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 97B, 373-380. | 3.4 | 43 |
| 81 | Stimulatory Effect of Autologous Adipose Tissue-Derived Stromal Cells in an Atelocollagen Matrix on Wound Healing in Diabetic db/db Mice. <i>Journal of Tissue Engineering</i> , 2011, 2011, 158105. | 5.5 | 27 |
| 82 | Selective Expansion of CD34+ Cells from Mouse Bone Marrow Cultured on LH/P MP-Coated Plates with Adequate Cytokines. <i>Journal of Tissue Engineering</i> , 2011, 2, 204173141142541. | 5.5 | 4 |
| 83 | Fragmin/protamine microparticles as cell carriers to enhance viability of adipose&derived stromal cells and their subsequent effect on <i>in vivo</i> neovascularization. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1614-1622. | 4.0 | 20 |
| 84 | Immobilization, stabilization, and activation of human stem cell factor (SCF) on fragmin/protamine microparticle (F/P MP)&coated plates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 32-39. | 3.4 | 7 |
| 85 | Enhanced healing of mitomycin C-treated healing-impaired wounds in rats with hydrosheets composed of chitin/chitosan, fucoidan, and alginate as wound dressings. <i>Wound Repair and Regeneration</i> , 2010, 18, 478-485. | 3.0 | 36 |
| 86 | Effect of Photocrosslinkable Chitosan Hydrogel and Its Sponges to Stop Bleeding in a Rat Liver Injury Model. <i>Artificial Organs</i> , 2010, 34, 342-347. | 1.9 | 24 |
| 87 | Preparation and characterization of low-molecular-weight heparin/protamine nanoparticles (LMW-H/P NPs) as FGF-2 carrier. <i>International Journal of Nanomedicine</i> , 2010, 5, 147. | 6.7 | 49 |
| 88 | Expansion and Characterization of Human Bone Marrow&Derived Mesenchymal Stem Cells Cultured on Fragmin/Protamine Microparticle&Coated Matrix with Fibroblast Growth Factor-2 in Low Serum Medium. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 523-527. | 2.1 | 20 |
| 89 | Human Stem Cell Factor (SCF) is a Heparin-Binding Cytokine. <i>Journal of Biochemistry</i> , 2009, 145, 275-278. | 1.7 | 14 |
| 90 | Cytokine-immobilized microparticle-coated plates for culturing hematopoietic progenitor cells. <i>Journal of Controlled Release</i> , 2009, 133, 185-190. | 9.9 | 20 |

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|-----|---|-----|-----------|
| 91 | Controlled release of FGFâ€2 using fragmin/protamine microparticles and effect on neovascularization. Journal of Biomedical Materials Research - Part A, 2009, 91A, 814-823. | 4.0 | 57 |
| 92 | Photocrosslinkable Chitosan Hydrogel Can Prevent Bone Formation in Both Rat Skull and Fibula Bone Defects. Artificial Organs, 2009, 33, 74-77. | 1.9 | 8 |
| 93 | Fragmin/Protamine Microparticleâ€Coated Matrix Immobilized Cytokines to Stimulate Various Cell Proliferations With Low Serum Media. Artificial Organs, 2009, 33, 431-438. | 1.9 | 22 |
| 94 | Coatings of Lowâ€Density Lipoprotein and Synthetic Glycoconjugates as Substrata for Hepatocytes. Artificial Organs, 2009, 33, 419-424. | 1.9 | 2 |
| 95 | Accelerated Wound Healing in Healing-Impaired db/db Mice by Autologous Adipose Tissue-Derived Stromal Cells Combined With Atelocollagen Matrix. Annals of Plastic Surgery, 2009, 62, 317-321. | 0.9 | 167 |
| 96 | Effect of controlled release of fibroblast growth factorâ€2 from chitosan/fucoidan micro complexâ€hydrogel on <i>in vitro</i> and <i>in vivo</i> vascularization. Journal of Biomedical Materials Research - Part A, 2008, 85A, 619-627. | 4.0 | 106 |
| 97 | Expansion and characterization of adipose tissueâ€derived stromal cells cultured with low serum medium. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 229-236. | 3.4 | 9 |
| 98 | Creâ€loxP</i> system as a versatile tool for conferring increased levels of tissueâ€specific gene expression from a weak promoter. Molecular Reproduction and Development, 2008, 75, 1085-1093. | 2.0 | 14 |
| 99 | The effect of chitosan hydrogel containing DMEM/F12 medium on full-thickness skin defects after deep dermal burn. Burns, 2007, 33, 642-648. | 1.9 | 46 |
| 100 | Effects of growth factors on heparin-carrying polystyrene-coated atelocollagen scaffold for articular cartilage tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 181-188. | 3.4 | 18 |
| 101 | Therapeutic angiogenesis induced by controlled release of fibroblast growth factor-2 from injectable chitosan/non-anticoagulant heparin hydrogel in a rat hindlimb ischemia model. Wound Repair and Regeneration, 2007, 15, 58-65. | 3.0 | 46 |
| 102 | Enhanced healing of mitomycin C-treated wounds in rats using inbred adipose tissue-derived stromal cells within an atelocollagen matrix. Wound Repair and Regeneration, 2007, 15, 505-510. | 3.0 | 68 |
| 103 | Establishment of a novel method for enriching osteoblast progenitors from adipose tissues using a difference in cell adhesive properties. Biochemical and Biophysical Research Communications, 2006, 343, 1118-1123. | 2.1 | 17 |
| 104 | Chitosan hydrogel as a drug delivery carrier to control angiogenesis. Journal of Artificial Organs, 2006, 9, 8-16. | 0.9 | 125 |
| 105 | Controlled release of fibroblast growth factor-2 from an injectable 6-O-desulfated heparin hydrogel and subsequent effect on in vivo vascularization. Journal of Biomedical Materials Research - Part A, 2006, 78A, 364-371. | 4.0 | 39 |
| 106 | Bone formation using human adipose tissue-derived stromal cells and a biodegradable scaffold. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 76B, 230-239. | 3.4 | 108 |
| 107 | Tissue engineering of articular cartilage with autologous cultured adipose tissue-derived stromal cells using atelocollagen honeycomb-shaped scaffold with a membrane sealing in rabbits. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 79B, 25-34. | 3.4 | 68 |
| 108 | Medium (DMEM/F12)-containing chitosan hydrogel as adhesive and dressing in autologous skin grafts and accelerator in the healing process. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 79B, 129-136. | 3.4 | 44 |

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|-----|---|------|-----------|
| 109 | Controlled Releases of FGF-2 and Paclitaxel from Chitosan Hydrogels and their Subsequent Effects on Wound Repair, Angiogenesis, and Tumor Growth. <i>Current Drug Delivery</i> , 2006, 3, 351-358. | 1.6 | 53 |
| 110 | Interaction Study between Synthetic Glycoconjugate Ligands and Endocytic Receptors Using Flow Cytometry. <i>Journal of Biochemistry</i> , 2006, 139, 637-643. | 1.7 | 5 |
| 111 | The interaction of chitosan with fibroblast growth factor-2 and its protection from inactivation. <i>Biomaterials</i> , 2005, 26, 3277-3284. | 11.4 | 63 |
| 112 | Chitosan Sponge with Photocrosslinkable Chitosan Hydrogel Stimulates Large and Impaired Wound Healing in Rats. <i>Wound Repair and Regeneration</i> , 2005, 13, A8-A8. | 3.0 | 0 |
| 113 | Acceleration of wound healing in healing-impaired db/db mice with a photocrosslinkable chitosan hydrogel containing fibroblast growth factor-2. <i>Wound Repair and Regeneration</i> , 2005, 13, 390-397. | 3.0 | 90 |
| 114 | Controlled release of paclitaxel from photocrosslinked chitosan hydrogels and its subsequent effect on subcutaneous tumor growth in mice. <i>Journal of Controlled Release</i> , 2005, 110, 79-89. | 9.9 | 112 |
| 115 | Tissue engineering of articular cartilage using an allograft of cultured chondrocytes in a membrane-sealed atelocollagen honeycomb-shaped scaffold (ACHMS scaffold). <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 75B, 177-184. | 3.4 | 52 |
| 116 | Osteogenic Potential of Human Adipose Tissue-Derived Stromal Cells as an Alternative Stem Cell Source. <i>Cells Tissues Organs</i> , 2004, 178, 2-12. | 2.3 | 199 |
| 117 | Vascularization in vivo caused by the controlled release of fibroblast growth factor-2 from an injectable chitosan/non-anticoagulant heparin hydrogel. <i>Biomaterials</i> , 2004, 25, 699-706. | 11.4 | 153 |
| 118 | Usefulness of photocrosslinkable chitosan for endoscopic cancer treatment in alimentary tract. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71B, 367-372. | 3.1 | 23 |
| 119 | Development of acellular xenogeneic aortic valve : Decellularization via microwave irradiation under pulsatile circulation and re-endothelialization using a novel pulsatile bioreactor. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2004, 2004.16, 437-438. | 0.0 | 0 |
| 120 | An atelocollagen honeycomb-shaped scaffold with a membrane seal (ACHMS scaffold) for the culture of annulus fibrosus cells from an intervertebral disc. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 64A, 248-256. | 3.1 | 91 |
| 121 | Controlled release of fibroblast growth factors and heparin from photocrosslinked chitosan hydrogels and subsequent effect on in vivo vascularization. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 64A, 551-559. | 3.1 | 156 |
| 122 | Photocrosslinkable chitosan hydrogel containing fibroblast growth factor-2 stimulates wound healing in healing-impaired db/db mice. <i>Biomaterials</i> , 2003, 24, 3437-3444. | 11.4 | 291 |
| 123 | An Experimental Study of the Regeneration of the Intervertebral Disc With an Allograft of Cultured Annulus Fibrosus Cells Using a Tissue-Engineering Method. <i>Spine</i> , 2003, 28, 548-553. | 2.0 | 124 |
| 124 | Development of two types of novel bioreactors for decellularization and in vitro pulsatile conditioning of endothelial cells cultured on the porcine aortic valves. <i>The Proceedings of Conference of Kanto Branch</i> , 2003, 2003.9, 83-84. | 0.0 | 1 |
| 125 | Photocrosslinkable Chitosan Hydrogel as a Wound Dressing and a Biological Adhesive.. <i>Trends in Glycoscience and Glycotechnology</i> , 2002, 14, 331-341. | 0.1 | 52 |
| 126 | Photocrosslinkable chitosan as a dressing for wound occlusion and accelerator in healing process. <i>Biomaterials</i> , 2002, 23, 833-840. | 11.4 | 505 |

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|-----|--|-----|-----------|
| 127 | Experimental evaluation of photocrosslinkable chitosan as a biologic adhesive with surgical applications. <i>Surgery</i> , 2001, 130, 844-850. | 1.9 | 110 |
| 128 | Acceleration of wound contraction and healing with a photocrosslinkable chitosan hydrogel. <i>Wound Repair and Regeneration</i> , 2001, 9, 513-521. | 3.0 | 131 |
| 129 | Heparin-carrying polystyrene (HCPS)-bound collagen substratum to immobilize heparin-binding growth factors and to enhance cellular growth. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 536-544. | 3.1 | 47 |
| 130 | Heparan Sulfate Proteoglycans Are Receptors for Extracellular HIV-1 Tat Internalization. <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 433-434. | 0.1 | 2 |
| 131 | Photocrosslinkable chitosan as a biological adhesive. , 2000, 49, 289-295. | | 324 |
| 132 | Heparin-carrying polystyrene to mediate cellular attachment and growth via interaction with growth factors. , 2000, 50, 144-152. | | 24 |
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