Masayuki Ishihara

List of Publications by Year
in descending order

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142 papers	6,038 citations	70961 41 h-index	85405 71 g-index
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. Polymers, 2022, 14, 932.	2.0	6
2	Recent Progress in the Development of Disinfectants from Scallop Shell-Derived Calcium Oxide for Clinical and Daily Use. Biocontrol Science, 2021, 26, 129-135.	0.2	2
3	Efficacy of Bioshell Calcium Oxide Water as Disinfectants to Enable Face Mask Reuse. Biocontrol Science, 2021, 26, 27-35.	0.2	4
4	Effectivity of Scallop Shell-Derived Calcium Oxide Water in Comparison with Hypochlorous Acid and Ethanol as General-Purpose Disinfectants for Environmental Surfaces. Japanese Journal of Environmental Infections, 2021, 36, 292-298.	0.1	0
5	Safety of Concentrated Bioshell Calcium Oxide Water Application for Surface and Skin Disinfections against Pathogenic Microbes. Molecules, 2020, 25, 4502.	1.7	11
6	Bioshell calcium oxide (BiSCaO) for cleansing and healing Pseudomonas aeruginosaâ€“infected wounds in hairless rats. Bio-Medical Materials and Engineering, 2020, 31, 95-105.	0.4	6
7	Concentrated Bioshell Calcium Oxide (BiSCaO) Water Kills Pathogenic Microbes: Characterization and Activity. Molecules, 2020, 25, 3001.	1.7	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. Foods, 2020, 9, 964.	1.9	4
9	Development of Novel Heparin/Protamine Nanoparticles Useful for Delivery of Exogenous Proteins In Vitro and In Vivo. Nanomaterials, 2020, 10, 1584.	1.9	7
10	Hydrodynamics-Based Transplacental Delivery as a Useful Noninvasive Tool for Manipulating Fetal Genome. Cells, 2020, 9, 1744.	1.8	5
11	Bioshell Calcium Oxide (BiSCaO) Ointment for the Disinfection and Healing of Pseudomonas aeruginosa-Infected Wounds in Hairless Rats. International Journal of Molecular Sciences, 2020, 21, 4176.	1.8	9
12	Ultraviolet Irradiation Enhances the Microbicidal Activity of Silver Nanoparticles by Hydroxyl Radicals. International Journal of Molecular Sciences, 2020, 21, 3204.	1.8	16
13	Skin Cleansing Technique with Disinfectant using Improved High-Velocity Steam-Air Micromist Jet Spray. Biocontrol Science, 2020, 25, 35-39.	0.2	10
14	Healing of Pseudomonas aeruginosa-infected wounds in diabetic db/db mice by weakly acidic hypochlorous acid cleansing and silver nanoparticle/chitin-nanofiber sheet covering. Wound Medicine, 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. Cell Biology International, 2020, 44, 1124-1132.	1.4	1
16	Synthesis and Application of Silver Nanoparticles (Ag NPs) for the Prevention of Infection in Healthcare Workers. International Journal of Molecular Sciences, 2019, 20, 3620.	1.8	175
17	Preparation and Application of Bioshell Calcium Oxide (BiSCaO) Nanoparticle-Dispersions with Bactericidal Activity. Molecules, 2019, 24, 3415.	1.7	19
18	Comparison of Various Disinfectants on BactericidalÂActivity Under Organic Matter Contaminated Environments. Biocontrol Science, 2019, 24, 103-108.	0.2	20

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19	Polyelectrolyte Complexes of Natural Polymers and Their Biomedical Applications. Polymers, 2019, 11, 672.	2.0	80
20	Heparinoid Complex-Based Heparin-Binding Cytokines and Cell Delivery Carriers. Molecules, 2019, 24, 4630.	1.7	8
21	Transplacental Gene Delivery (TPGD) as a Noninvasive Tool for Fetal Gene Manipulation in Mice. International Journal of Molecular Sciences, 2019, 20, 5926.	1.8	11
22	Application of Colloidal Dispersions of Bioshell Calcium Oxide (BiSCaO) for Disinfection. Polymers, 2019, 11, 1991.	2.0	10
23	Transplacental delivery of genome editing components causes mutations in embryonic cardiomyocytes of midâ€gestational murine fetuses. IUBMB Life, 2019, 71, 835-844.	1.5	9
24	FGF-2-containing dalteparin/protamine nanoparticles (FGF-2&D/P NPs) ameliorate UV-induced skin photoaging in hairless mice. Journal of Plastic Surgery and Hand Surgery, 2018, 52, 375-381.	0.4	3
25	Biomaterials as cell carriers for augmentation of adipose tissue-derived stromal cell transplantation. Bio-Medical Materials and Engineering, 2018, 29, 567-585.	0.4	14
26	Behavior of Nitrate-Nitrogen and Nitrite-Nitrogen in Drinking Water. Biocontrol Science, 2018, 23, 139-143.	0.2	18
27	Intravenous Delivery of piggyBac Transposons as a Useful Tool for Liver-Specific Gene-Switching. International Journal of Molecular Sciences, 2018, 19, 3452.	1.8	10
28	Disinfection of Pseudomonas aeruginosa-infected wounds in diabetic db/db mice by weakly acidic hypochlorous acid. Wound Medicine, 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. Journal of Radiation Research, 2018, 59, 27-34.	0.8	23
30	Development of Mucoadhesive Chitosan Derivatives for Use as Submucosal Injections. Polymers, 2018, 10, 410.	2.0	4
31	Feasibility of improving platelet-rich plasma therapy by using chitosan with high platelet activation ability. Experimental and Therapeutic Medicine, 2017, 13, 1176-1180.	0.8	21
32	Improved Survival of Full-Thickness Skin Graft With Low-Molecular Weight Heparin-Protamine Micro/Nanoparticles Including Platelet-Rich Plasma. Annals of Plastic Surgery, 2017, 78, 562-568.	0.5	7
33	Cleansing technique using high-velocity steamâ€“air micromist jet spray. Journal of Medical Engineering and Technology, 2017, 41, 522-528.	0.8	9
34	Characterization of a water-soluble chitosan derivative and its potential for submucosal injection in endoscopic techniques. Carbohydrate Polymers, 2017, 175, 592-600.	5.1	21
35	In vitro and in vivo gene delivery using chitosan/hyaluronic acid nanoparticles: Influences of molecular mass of hyaluronic acid and lyophilization on transfection efficiency. Journal of Gene Medicine, 2017, 19, e2968.	1.4	24
36	Stability of Weakly Acidic Hypochlorous Acid Solution with Microbicidal Activity. Biocontrol Science, 2017, 22, 223-227.	0.2	53

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37	Enhanced effect of fibroblast growth factor-2-containing dalteparin/protamine nanoparticles on hair growth. Clinical, Cosmetic and Investigational Dermatology, 2016, 9, 127.	0.8	19
38	Cytotoxicity of Silver Nanoparticle and Chitin-Nanofiber Sheet Composites Caused by Oxidative Stress. Nanomaterials, 2016, 6, 189.	1.9	28
39	Low-molecular weight heparin protamine complex augmented the potential of adipose-derived stromal cells to ameliorate limb ischemia. Atherosclerosis, 2016, 249, 132-139.	0.4	14
40	Changes in blood aggregation with differences in molecular weight and degree of deacetylation of chitosan. Biomedical Materials (Bristol), 2015, 10, 015014.	1.7	75
41	Application of hydrogels as submucosal fluid cushions for endoscopic mucosal resection and submucosal dissection. Journal of Artificial Organs, 2015, 18, 191-198.	0.4	11
42	Altered protein secretions during interactions between adipose tissue- or bone marrow-derived stromal cells and inflammatory cells. Stem Cell Research and Therapy, 2015, 6, 70.	2.4	15
43	Improved angiogenesis and healing in crush syndrome by fibroblast growth factor-2â€“containing low-molecular-weight heparin (Fragmin)/protamine nanoparticles. Journal of Surgical Research, 2015, 196, 247-257.	0.8	15
44	Enhanced healing of mitomycin C-treated healing-impaired wounds in rats with PRP-containing fragmin/protamine microparticles (PRP&F/P MPs). Journal of Plastic Surgery and Hand Surgery, 2015, 49, 268-274.	0.4	8
45	Liver Lobe and Strain Difference in Gene Expression After Hydrodynamics-Based Gene Delivery in Mice. Animal Biotechnology, 2015, 26, 51-57.	0.7	8
46	Adsorption of Silver Nanoparticles onto Different Surface Structures of Chitin/Chitosan and Correlations with Antimicrobial Activities. International Journal of Molecular Sciences, 2015, 16, 13973-13988.	1.8	77
47	Biomedical Application of Low Molecular Weight Heparin/Protamine Nano/Micro Particles as Cell- and Growth Factor-Carriers and Coating Matrix. International Journal of Molecular Sciences, 2015, 16, 11785-11803.	1.8	17
48	Platelet-rich plasma-containing fragmin-protamine micro-nanoparticles promote epithelialization and angiogenesis in split-thickness skin graft donor sites. Journal of Surgical Research, 2015, 193, 483-491.	0.8	19
49	Development of antimicrobial biomaterials produced from chitin-nanofiber sheet/silver nanoparticle composites. Journal of Nanobiotechnology, 2014, 12, 49.	4.2	50
50	Improved survival rate by temperature control at compression sites in rat model of crush syndrome. Journal of Surgical Research, 2014, 188, 250-259.	0.8	12
51	Protective effect of inhalation of hydrogen gas on radiation-induced dermatitis and skin injury in rats. Journal of Radiation Research, 2014, 55, 1107-1113.	0.8	36
52	Three-dimensional culture using human plasma-medium gel with fragmin/protamine microparticles for proliferation of various human cells. Cytotechnology, 2014, 66, 791-802.	0.7	6
53	Rapid screening for influenza using a multivariable logistic regression model to save labor at a clinic in Iwaki, Fukushima, Japan. American Journal of Infection Control, 2014, 42, 551-553.	1.1	4
54	Effective Wound Healing in Streptozotocin-Induced Diabetic Rats by Adipose-Derived Stromal Cell Transplantation in Plasma-Gel Containing Fragmin/Protamine Microparticles. Annals of Plastic Surgery, 2014, 72, 113-120.	0.5	11

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55	Ultraviolet light-irradiated photocrosslinkable chitosan hydrogel to prevent bone formation in both rat skull and fibula bone defects. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 720-728.	1.3	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. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 955-964.	1.3	16
57	In vivo gene transfer using pDNA/chitosan/chondroitin sulfate ternary complexes: influence of chondroitin sulfate on the stability of freezeâ€dried complexes and transgene expression in vivo. Journal of Gene Medicine, 2013, 15, 83-92.	1.4	12
58	Antiviral activity of silver nanoparticle/chitosan composites against H1N1 influenza A virus. Nanoscale Research Letters, 2013, 8, 93.	3.1	255
59	Effects of plateletâ€rich plasmaâ€containing fragmin/protamine microparticles in enhancing endothelial and smooth muscle cell growth and inducing collateral vessels in a rabbit model of hindlimb ischemia. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 36-42.	1.6	17
60	Fragmin/protamine microparticles to adsorb and protect HGF and to function as local HGF carriers in vivo. Acta Biomaterialia, 2013, 9, 4763-4770.	4.1	17
61	Preparation of Size-Controlled Silver Nanoparticles and Chitin-Based Composites and Their Antimicrobial Activities. Journal of Nanomaterials, 2013, 2013, 1-7.	1.5	15
62	Interaction of Silver Nanoparticles and Chitin Powder with Different Sizes and Surface Structures: The Correlation with Antimicrobial Activities. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	7
63	Improvement of Hydrodynamics-Based Gene Transfer of Nonviral DNA Targeted to Murine Hepatocytes. BioMed Research International, 2013, 2013, 1-9.	0.9	14
64	Preparation of size-controlled silver nanoparticles and chitosan-based composites and their anti-microbial activities. Bio-Medical Materials and Engineering, 2013, 23, 473-483.	0.4	13
65	Transplantation of inbred adiposeâ€derived stromal cells in rats with plasma gel containing fragmin/protamine microparticles and FGFâ€2. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 784-791.	1.6	7
66	Development of a Novel Emergency Hemostatic Kit for Severe Hemorrhage. Artificial Organs, 2013, 37, 475-481.	1.0	5
67	Low Oxygen Tension Enhances Proliferation and Maintains Stemness of Adipose Tissueâ€“Derived Stromal Cells. BioResearch Open Access, 2013, 2, 199-205.	2.6	59
68	Angiogenesis following Cell Injection is Induced by an Excess Inflammatory Response Coordinated by Bone Marrow Cells. Cell Transplantation, 2013, 22, 2381-2392.	1.2	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. Tissue Engineering - Part A, 2012, 18, 2239-2247.	1.6	13
70	Novel hydrocolloid-sheet as wound dressing to stimulate healing-impaired wound healing in diabetic db/db mice. Bio-Medical Materials and Engineering, 2012, 22, 301-310.	0.4	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. Journal of Artificial Organs, 2012, 15, 375-385.	0.4	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. BioResearch Open Access, 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. Gastrointestinal Endoscopy, 2012, 75, 841-848.	0.5	29
74	Novel Experimental and Clinical Therapeutic Uses of Low-Molecular-Weight Heparin/Protamine Microparticles. Pharmaceutics, 2012, 4, 42-57.	2.0	9
75	PRP&F/P MPs Improved Survival of Dorsal Paired Pedicle Skin Flaps in Rats. Journal of Surgical Research, 2011, 170, e189-e196.	0.8	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. Journal of Vascular Surgery, 2011, 54, 791-798.	0.6	21
77	Simple and environmentally friendly preparation and size control of silver nanoparticles using an inhomogeneous system with silver-containing glass powder. Journal of Nanoparticle Research, 2011, 13, 2799-2806.	0.8	28
78	Fragmin/Protamine Microparticles (F/P MPs) as Cell Carriers Enhance the Formation and Growth of Tumors In Vivo. Cellular and Molecular Bioengineering, 2011, 4, 476-483.	1.0	5
79	Increased survival of free fat grafts and vascularization in rats with local delivery of fragmin/protamine microparticles containing FGFâ€2 (F/P MPâ€F). Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 234-241.	1.6	24
80	Enhancement of vascularization and granulation tissue formation by growth factors in human plateletâ€rich plasmaâ€containing fragmin/protamine microparticles. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 97B, 373-380.	1.6	43
81	Stimulatory Effect of Autologous Adipose Tissue-Derived Stromal Cells in an Atelocollagen Matrix on Wound Healing in Diabetic db/db Mice. Journal of Tissue Engineering, 2011, 2011, 158105.	2.3	27
82	Selective Expansion of CD34+ Cells from Mouse Bone Marrow Cultured on LH/P MP-Coated Plates with Adequate Cytokines. Journal of Tissue Engineering, 2011, 2, 204173141142541.	2.3	4
83	Fragmin/protamine microparticles as cell carriers to enhance viability of adiposeâ€derived stromal cells and their subsequent effect on in vivo neovascularization. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1614-1622.	2.1	20
84	Immobilization, stabilization, and activation of human stem cell factor (SCF) on fragmin/protamine microparticle (F/P MP)â€coated plates. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 32-39.	1.6	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. Wound Repair and Regeneration, 2010, 18, 478-485.	1.5	36
86	Effect of Photocrosslinkable Chitosan Hydrogel and Its Sponges to Stop Bleeding in a Rat Liver Injury Model. Artificial Organs, 2010, 34, 342-347.	1.0	24
87	Preparation and characterization of low-molecular-weight heparin/protamine nanoparticles (LMW-H/P NPs) as FGF-2 carrier. International Journal of Nanomedicine, 2010, 5, 147.	3.3	49
88	Expansion and Characterization of Human Bone Marrowâ€“Derived Mesenchymal Stem Cells Cultured on Fragmin/Protamine Microparticleâ€“Coated Matrix with Fibroblast Growth Factor-2 in Low Serum Medium. Tissue Engineering - Part C: Methods, 2009, 15, 523-527.	1.1	20
89	Human Stem Cell Factor (SCF) is a Heparin-Binding Cytokine. Journal of Biochemistry, 2009, 145, 275-278.	0.9	14
90	Cytokine-immobilized microparticle-coated plates for culturing hematopoietic progenitor cells. Journal of Controlled Release, 2009, 133, 185-190.	4.8	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.	2.1	57
92	Photocrosslinkable Chitosan Hydrogel Can Prevent Bone Formation in Both Rat Skull and Fibula Bone Defects. Artificial Organs, 2009, 33, 74-77.	1.0	8
93	Fragmin/Protamine Microparticleâ€Coated Matrix Immobilized Cytokines to Stimulate Various Cell Proliferations With Low Serum Media. Artificial Organs, 2009, 33, 431-438.	1.0	22
94	Coatings of Lowâ€Density Lipoprotein and Synthetic Glycoconjugates as Substrata for Hepatocytes. Artificial Organs, 2009, 33, 419-424.	1.0	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.	0.5	167
96	Effect of controlled release of fibroblast growth factorâ€2 from chitosan/fucoidan micro complexâ€hydrogel on in vitro and in vivo vascularization. Journal of Biomedical Materials Research - Part A, 2008, 85A, 619-627.	2.1	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.	1.6	9
98	Creâ€loxP 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.	1.0	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.	1.1	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.	1.6	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.	1.5	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.	1.5	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.	1.0	17
104	Chitosan hydrogel as a drug delivery carrier to control angiogenesis. Journal of Artificial Organs, 2006, 9, 8-16.	0.4	125
105	Controlled release of fibroblast growth factor-2 from an injectable 6-O-desulfated heparin hydrogel and subsequent effect onin vivo vascularization. Journal of Biomedical Materials Research - Part A, 2006, 78A, 364-371.	2.1	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.	1.6	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.	1.6	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.	1.6	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. Current Drug Delivery, 2006, 3, 351-358.	0.8	53
110	Interaction Study between Synthetic Glycoconjugate Ligands and Endocytic Receptors Using Flow Cytometry. Journal of Biochemistry, 2006, 139, 637-643.	0.9	5
111	The interaction of chitosan with fibroblast growth factor-2 and its protection from inactivation. Biomaterials, 2005, 26, 3277-3284.	5.7	63
112	Chitosan Sponge with Photocrosslinkable Chitosan Hydrogel Stimulates Large and Impaired Wound Healing in Rats. Wound Repair and Regeneration, 2005, 13, A8-A8.	1.5	0
113	Acceleration of wound healing in healing-impaired db/db mice with a photocrosslinkable chitosan hydrogel containing fibroblast growth factor-2. Wound Repair and Regeneration, 2005, 13, 390-397.	1.5	90
114	Controlled release of paclitaxel from photocrosslinked chitosan hydrogels and its subsequent effect on subcutaneous tumor growth in mice. Journal of Controlled Release, 2005, 110, 79-89.	4.8	112
115	Tissue engineering of articular cartilage using an allograft of cultured chondrocytes in a membrane-sealed atelocollagen honeycomb-shaped scaffold (ACHMS scaffold). Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 75B, 177-184.	1.6	52
116	Osteogenic Potential of Human Adipose Tissue-Derived Stromal Cells as an Alternative Stem Cell Source. Cells Tissues Organs, 2004, 178, 2-12.	1.3	199
117	Vascularization in vivo caused by the controlled release of fibroblast growth factor-2 from an injectable chitosan/non-anticoagulant heparin hydrogel. Biomaterials, 2004, 25, 699-706.	5.7	153
118	Usefulness of photocrosslinkable chitosan for endoscopic cancer treatment in alimentary tract. Journal of Biomedical Materials Research Part B, 2004, 71B, 367-372.	3.0	23
119	Development of acellular xenogeneic aortic valve : Decellularization via microwave irradiation under pulsatile circulation and re-endothelialization using a novel pulsatile bioreactor. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 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. Journal of Biomedical Materials Research Part B, 2003, 64A, 248-256.	3.0	91
121	Controlled release of fibroblast growth factors and heparin from photocrosslinked chitosan hydrogels and subsequent effect onin vivo vascularization. Journal of Biomedical Materials Research Part B, 2003, 64A, 551-559.	3.0	156
122	Photocrosslinkable chitosan hydrogel containing fibroblast growth factor-2 stimulates wound healing in healing-impaired db/db mice. Biomaterials, 2003, 24, 3437-3444.	5.7	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. Spine, 2003, 28, 548-553.	1.0	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. The Proceedings of Conference of Kanto Branch, 2003, 2003.9, 83-84.	0.0	1
125	Photocrosslinkable Chitosan Hydrogel as a Wound Dressing and a Biological Adhesive.. Trends in Glycoscience and Glycotechnology, 2002, 14, 331-341.	0.0	52
126	Photocrosslinkable chitosan as a dressing for wound occlusion and accelerator in healing process. Biomaterials, 2002, 23, 833-840.	5.7	505

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127	Experimental evaluation of photocrosslinkable chitosan as a biologic adhesive with surgical applications. Surgery, 2001, 130, 844-850.	1.0	110
128	Acceleration of wound contraction and healing with a photocrosslinkable chitosan hydrogel. Wound Repair and Regeneration, 2001, 9, 513-521.	1.5	131
129	Heparin-carrying polystyrene (HCPS)-bound collagen substratum to immobilize heparin-binding growth factors and to enhance cellular growth. Journal of Biomedical Materials Research Part B, 2001, 56, 536-544.	3.0	47
130	Heparan Sulfate Proteoglycans Are Receptors for Extracellular HIV-1 Tat Internalization. Trends in Glycoscience and Glycotechnology, 2001, 13, 433-434.	0.0	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
133	Photocrosslinkable chitosan as a biological adhesive. , 2000, 49, 289.		6
134	Peptides Containing Consensus Amino Acid Sequences for Binding to Heparin/Heparan Sulfate. Trends in Glycoscience and Glycotechnology, 2000, 12, 265-266.	0.0	1
135	Interaction of Core Protein of Perlecan with Fibroblast Growth Factor-7 (FGF-7). Trends in Glycoscience and Glycotechnology, 2000, 12, 361-362.	0.0	0
136	Structural features in heparin that interact with VEGF165 and modulate its biological activity. Glycobiology, 1999, 9, 705-711.	1.3	100
137	Mammalian Heparanase: Breaking Down Barriers in Tumor Invasion and Metastasis.. Trends in Glycoscience and Glycotechnology, 1999, 11, 297-298.	0.0	0
138	Multiple Heparan Sulfate Chains Enhance the Proteoglycan Functions.. Trends in Glycoscience and Glycotechnology, 1999, 11, 129-130.	0.0	0
139	Structure and Function of Heparin and Heparan Sulfate; Heparinoid Library and Modification of FGF-Activities.. Trends in Glycoscience and Glycotechnology, 1998, 10, 223-233.	0.0	62
140	Importance of 6-O-Sulfate Groups of Glucosamine Residues in Heparin for Activation of FGF-1 and FGF-2. Journal of Biochemistry, 1995, 118, 1255-1260.	0.9	81
141	Structural features in heparin which modulate specific biological activities mediated by basic fibroblast growth factor. Glycobiology, 1994, 4, 451-458.	1.3	103
142	Structural requirements in heparin for binding and activation of FGF-1 and FGF-4 are different from that for FGF-2. Glycobiology, 1994, 4, 817-824.	1.3	109