

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	Photocrosslinkable chitosan as a dressing for wound occlusion and accelerator in healing process. <i>Biomaterials</i> , 2002, 23, 833-840.	5.7	505
2	Photocrosslinkable chitosan as a biological adhesive. , 2000, 49, 289-295.		324
3	Photocrosslinkable chitosan hydrogel containing fibroblast growth factor-2 stimulates wound healing in healing-impaired db/db mice. <i>Biomaterials</i> , 2003, 24, 3437-3444.	5.7	291
4	Antiviral activity of silver nanoparticle/chitosan composites against H1N1 influenza A virus. <i>Nanoscale Research Letters</i> , 2013, 8, 93.	3.1	255
5	Osteogenic Potential of Human Adipose Tissue-Derived Stromal Cells as an Alternative Stem Cell Source. <i>Cells Tissues Organs</i> , 2004, 178, 2-12.	1.3	199
6	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.	1.8	175
7	Accelerated Wound Healing in Healing-Impaired db/db Mice by Autologous Adipose Tissue-Derived Stromal Cells Combined With Atelocollagen Matrix. <i>Annals of Plastic Surgery</i> , 2009, 62, 317-321.	0.5	167
8	Controlled release of fibroblast growth factors and heparin from photocrosslinked chitosan hydrogels and subsequent effect on <i>in vivo</i> vascularization. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 64A, 551-559.	3.0	156
9	Vascularization <i>in vivo</i> 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.	5.7	153
10	Acceleration of wound contraction and healing with a photocrosslinkable chitosan hydrogel. <i>Wound Repair and Regeneration</i> , 2001, 9, 513-521.	1.5	131
11	Chitosan hydrogel as a drug delivery carrier to control angiogenesis. <i>Journal of Artificial Organs</i> , 2006, 9, 8-16.	0.4	125
12	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.	1.0	124
13	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.	4.8	112
14	Experimental evaluation of photocrosslinkable chitosan as a biologic adhesive with surgical applications. <i>Surgery</i> , 2001, 130, 844-850.	1.0	110
15	Structural requirements in heparin for binding and activation of FGF-1 and FGF-4 are different from that for FGF-2. <i>Glycobiology</i> , 1994, 4, 817-824.	1.3	109
16	Bone formation using human adipose tissue-derived stromal cells and a biodegradable scaffold. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 76B, 230-239.	1.6	108
17	Effect of controlled release of fibroblast growth factor-2 from chitosan/fucoidan micro complex hydrogel on <i>in vitro</i> and <i>in vivo</i> vascularization. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 619-627.	2.1	106
18	Structural features in heparin which modulate specific biological activities mediated by basic fibroblast growth factor. <i>Glycobiology</i> , 1994, 4, 451-458.	1.3	103

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19	Structural features in heparin that interact with VEGF165 and modulate its biological activity. <i>Glycobiology</i> , 1999, 9, 705-711.	1.3	100
20	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.	3.0	91
21	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.	1.5	90
22	Importance of 6-O-Sulfate Groups of Glucosamine Residues in Heparin for Activation of FGF-1 and FGF-2. <i>Journal of Biochemistry</i> , 1995, 118, 1255-1260.	0.9	81
23	Polyelectrolyte Complexes of Natural Polymers and Their Biomedical Applications. <i>Polymers</i> , 2019, 11, 672.	2.0	80
24	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.	1.8	77
25	Changes in blood aggregation with differences in molecular weight and degree of deacetylation of chitosan. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 015014.	1.7	75
26	Tissue engineering of articular cartilage with autologous cultured adipose tissue-derived stromal cells using atelocollagen honeycomb-shaped scaffold with a membrane sealing in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 79B, 25-34.	1.6	68
27	Enhanced healing of mitomycin C-treated wounds in rats using inbred adipose tissue-derived stromal cells within an atelocollagen matrix. <i>Wound Repair and Regeneration</i> , 2007, 15, 505-510.	1.5	68
28	The interaction of chitosan with fibroblast growth factor-2 and its protection from inactivation. <i>Biomaterials</i> , 2005, 26, 3277-3284.	5.7	63
29	Structure and Function of Heparin and Heparan Sulfate; Heparinoid Library and Modification of FGF-Activities.. <i>Trends in Glycoscience and Glycotechnology</i> , 1998, 10, 223-233.	0.0	62
30	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
31	Controlled release of FGF-2 using fragmin/protamine microparticles and effect on neovascularization. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 814-823.	2.1	57
32	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.	0.8	53
33	Stability of Weakly Acidic Hypochlorous Acid Solution with Microbicidal Activity. <i>Biocontrol Science</i> , 2017, 22, 223-227.	0.2	53
34	Photocrosslinkable Chitosan Hydrogel as a Wound Dressing and a Biological Adhesive.. <i>Trends in Glycoscience and Glycotechnology</i> , 2002, 14, 331-341.	0.0	52
35	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.	1.6	52
36	Development of antimicrobial biomaterials produced from chitin-nanofiber sheet/silver nanoparticle composites. <i>Journal of Nanobiotechnology</i> , 2014, 12, 49.	4.2	50

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37	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.	3.3	49
38	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.	3.0	47
39	The effect of chitosan hydrogel containing DMEM/F12 medium on full-thickness skin defects after deep dermal burn. <i>Burns</i> , 2007, 33, 642-648.	1.1	46
40	Therapeutic angiogenesis induced by controlled release of fibroblast growth factor-2 from injectable chitosan/non-anticoagulant heparin hydrogel in a rat hindlimb ischemia model. <i>Wound Repair and Regeneration</i> , 2007, 15, 58-65.	1.5	46
41	Medium (DMEM/F12)-containing chitosan hydrogel as adhesive and dressing in autologous skin grafts and accelerator in the healing process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 79B, 129-136.	1.6	44
42	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.	1.6	43
43	Controlled release of fibroblast growth factor-2 from an injectable 6-O-desulfated heparin hydrogel and subsequent effect on in vivo vascularization. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 364-371.	2.1	39
44	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.	1.5	36
45	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.	0.8	36
46	PRP&F/P MPs Improved Survival of Dorsal Paired Pedicle Skin Flaps in Rats. <i>Journal of Surgical Research</i> , 2011, 170, e189-e196.	0.8	34
47	Endoscopic submucosal dissection for pig esophagus by using photocrosslinkable chitosan hydrogel as submucosal fluid cushion. <i>Gastrointestinal Endoscopy</i> , 2012, 75, 841-848.	0.5	29
48	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.	0.8	28
49	Cytotoxicity of Silver Nanoparticle and Chitin-Nanofiber Sheet Composites Caused by Oxidative Stress. <i>Nanomaterials</i> , 2016, 6, 189.	1.9	28
50	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.	2.3	27
51	Heparin-carrying polystyrene to mediate cellular attachment and growth via interaction with growth factors. , 2000, 50, 144-152.		24
52	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.	1.0	24
53	Increased survival of free fat grafts and vascularization in rats with local delivery of fragmin/protamine microparticles containing FGF-2 (F/P MP). <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 96B, 234-241.	1.6	24
54	<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.	1.4	24

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55	Usefulness of photocrosslinkable chitosan for endoscopic cancer treatment in alimentary tract. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71B, 367-372.	3.0	23
56	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.	0.8	23
57	Fragmin/Protamine Microparticleâ€Coated Matrix Immobilized Cytokines to Stimulate Various Cell Proliferations With Low Serum Media. <i>Artificial Organs</i> , 2009, 33, 431-438.	1.0	22
58	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.	0.6	21
59	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.	0.4	21
60	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.	0.8	21
61	Characterization of a water-soluble chitosan derivative and its potential for submucosal injection in endoscopic techniques. <i>Carbohydrate Polymers</i> , 2017, 175, 592-600.	5.1	21
62	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. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 523-527.	1.1	20
63	Cytokine-immobilized microparticle-coated plates for culturing hematopoietic progenitor cells. <i>Journal of Controlled Release</i> , 2009, 133, 185-190.	4.8	20
64	Fragmin/protamine microparticles as cell carriers to enhance viability of adiposeâ€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.	2.1	20
65	Comparison of Various Disinfectants on Bactericidal Activity Under Organic Matter Contaminated Environments. <i>Biocontrol Science</i> , 2019, 24, 103-108.	0.2	20
66	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.	0.8	19
67	Enhanced effect of fibroblast growth factor-2-containing dalteparin/protamine nanoparticles on hair growth. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2016, 9, 127.	0.8	19
68	Preparation and Application of Bioshell Calcium Oxide (BiSCaO) Nanoparticle-Dispersions with Bactericidal Activity. <i>Molecules</i> , 2019, 24, 3415.	1.7	19
69	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
70	Effects of growth factors on heparin-carrying polystyrene-coated atelocollagen scaffold for articular cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 83B, 181-188.	1.6	18
71	Behavior of Nitrate-Nitrogen and Nitrite-Nitrogen in Drinking Water. <i>Biocontrol Science</i> , 2018, 23, 139-143.	0.2	18
72	Establishment of a novel method for enriching osteoblast progenitors from adipose tissues using a difference in cell adhesive properties. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 1118-1123.	1.0	17

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73	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.	1.6	17
74	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.	4.1	17
75	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.	1.8	17
76	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.	1.3	16
77	Ultraviolet Irradiation Enhances the Microbicidal Activity of Silver Nanoparticles by Hydroxyl Radicals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3204.	1.8	16
78	Preparation of Size-Controlled Silver Nanoparticles and Chitin-Based Composites and Their Antimicrobial Activities. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	1.5	15
79	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.	2.4	15
80	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.	0.8	15
81	Cre-loxP system as a versatile tool for conferring increased levels of tissue-specific gene expression from a weak promoter. <i>Molecular Reproduction and Development</i> , 2008, 75, 1085-1093.	1.0	14
82	Human Stem Cell Factor (SCF) is a Heparin-Binding Cytokine. <i>Journal of Biochemistry</i> , 2009, 145, 275-278.	0.9	14
83	Improvement of Hydrodynamics-Based Gene Transfer of Nonviral DNA Targeted to Murine Hepatocytes. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	14
84	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.	0.4	14
85	Biomaterials as cell carriers for augmentation of adipose tissue-derived stromal cell transplantation. <i>Bio-Medical Materials and Engineering</i> , 2018, 29, 567-585.	0.4	14
86	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.	1.6	13
87	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.	0.4	13
88	In vivo gene transfer using pDNA/chitosan/chondroitin sulfate ternary complexes: influence of chondroitin sulfate on the stability of freeze-dried complexes and transgene expression in vivo. <i>Journal of Gene Medicine</i> , 2013, 15, 83-92.	1.4	12
89	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.	0.8	12
90	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.	0.5	11

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91	Application of hydrogels as submucosal fluid cushions for endoscopic mucosal resection and submucosal dissection. <i>Journal of Artificial Organs</i> , 2015, 18, 191-198.	0.4	11
92	Transplacental Gene Delivery (TPGD) as a Noninvasive Tool for Fetal Gene Manipulation in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5926.	1.8	11
93	Safety of Concentrated Bioshell Calcium Oxide Water Application for Surface and Skin Disinfections against Pathogenic Microbes. <i>Molecules</i> , 2020, 25, 4502.	1.7	11
94	Intravenous Delivery of piggyBac Transposons as a Useful Tool for Liver-Specific Gene-Switching. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3452.	1.8	10
95	Application of Colloidal Dispersions of Bioshell Calcium Oxide (BiSCaO) for Disinfection. <i>Polymers</i> , 2019, 11, 1991.	2.0	10
96	Skin Cleansing Technique with Disinfectant using Improved High-Velocity Steam-Air Micromist Jet Spray. <i>Biocontrol Science</i> , 2020, 25, 35-39.	0.2	10
97	Expansion and characterization of adipose tissue-derived stromal cells cultured with low serum medium. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 229-236.	1.6	9
98	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
99	Novel Experimental and Clinical Therapeutic Uses of Low-Molecular-Weight Heparin/Protamine Microparticles. <i>Pharmaceutics</i> , 2012, 4, 42-57.	2.0	9
100	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.	1.3	9
101	Cleansing technique using high-velocity steam-air micromist jet spray. <i>Journal of Medical Engineering and Technology</i> , 2017, 41, 522-528.	0.8	9
102	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
103	Transplacental delivery of genome editing components causes mutations in embryonic cardiomyocytes of mid-gestational murine fetuses. <i>IUBMB Life</i> , 2019, 71, 835-844.	1.5	9
104	Concentrated Bioshell Calcium Oxide (BiSCaO) Water Kills Pathogenic Microbes: Characterization and Activity. <i>Molecules</i> , 2020, 25, 3001.	1.7	9
105	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.	1.8	9
106	Photocrosslinkable Chitosan Hydrogel Can Prevent Bone Formation in Both Rat Skull and Fibula Bone Defects. <i>Artificial Organs</i> , 2009, 33, 74-77.	1.0	8
107	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.	0.4	8
108	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.	0.4	8

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109	Liver Lobe and Strain Difference in Gene Expression After Hydrodynamics-Based Gene Delivery in Mice. <i>Animal Biotechnology</i> , 2015, 26, 51-57.	0.7	8
110	Heparinoid Complex-Based Heparin-Binding Cytokines and Cell Delivery Carriers. <i>Molecules</i> , 2019, 24, 4630.	1.7	8
111	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.	1.6	7
112	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.	1.5	7
113	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.	1.6	7
114	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.	0.5	7
115	Development of Novel Heparin/Protamine Nanoparticles Useful for Delivery of Exogenous Proteins In Vitro and In Vivo. <i>Nanomaterials</i> , 2020, 10, 1584.	1.9	7
116	Angiogenesis following Cell Injection is Induced by an Excess Inflammatory Response Coordinated by Bone Marrow Cells. <i>Cell Transplantation</i> , 2013, 22, 2381-2392.	1.2	6
117	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.	0.7	6
118	Bioshell calcium oxide (BiSCaO) for cleansing and healing <i>Pseudomonas aeruginosa</i> -infected wounds in hairless rats. <i>Bio-Medical Materials and Engineering</i> , 2020, 31, 95-105.	0.4	6
119	Photocrosslinkable chitosan as a biological adhesive. , 2000, 49, 289.		6
120	Recent Progress on Heparin-Protamine Particles for Biomedical Application. <i>Polymers</i> , 2022, 14, 932.	2.0	6
121	Interaction Study between Synthetic Glycoconjugate Ligands and Endocytic Receptors Using Flow Cytometry. <i>Journal of Biochemistry</i> , 2006, 139, 637-643.	0.9	5
122	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.	1.0	5
123	Development of a Novel Emergency Hemostatic Kit for Severe Hemorrhage. <i>Artificial Organs</i> , 2013, 37, 475-481.	1.0	5
124	Hydrodynamics-Based Transplacental Delivery as a Useful Noninvasive Tool for Manipulating Fetal Genome. <i>Cells</i> , 2020, 9, 1744.	1.8	5
125	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.	2.3	4
126	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.	1.1	4

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127	Development of Mucoadhesive Chitosan Derivatives for Use as Submucosal Injections. <i>Polymers</i> , 2018, 10, 410.	2.0	4
128	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.	1.9	4
129	Efficacy of Bioshell Calcium Oxide Water as Disinfectants to Enable Face Mask Reuse. <i>Biocontrol Science</i> , 2021, 26, 27-35.	0.2	4
130	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.	0.4	3
131	Coatings of Low-Density Lipoprotein and Synthetic Glycoconjugates as Substrata for Hepatocytes. <i>Artificial Organs</i> , 2009, 33, 419-424.	1.0	2
132	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.	0.2	2
133	Heparan Sulfate Proteoglycans Are Receptors for Extracellular HIV-1 Tat Internalization. <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 433-434.	0.0	2
134	Fibroblast growth factor-2 and interleukin-4 synergistically induce eotaxin-1 expression in adipose tissue-derived stromal cells. <i>Cell Biology International</i> , 2020, 44, 1124-1132.	1.4	1
135	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
136	Peptides Containing Consensus Amino Acid Sequences for Binding to Heparin/Heparan Sulfate. <i>Trends in Glycoscience and Glycotechnology</i> , 2000, 12, 265-266.	0.0	1
137	Chitosan Sponge with Photocrosslinkable Chitosan Hydrogel Stimulates Large and Impaired Wound Healing in Rats. <i>Wound Repair and Regeneration</i> , 2005, 13, A8-A8.	1.5	0
138	Interaction of Core Protein of Perlecan with Fibroblast Growth Factor-7 (FGF-7). <i>Trends in Glycoscience and Glycotechnology</i> , 2000, 12, 361-362.	0.0	0
139	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
140	Mammalian Heparanase: Breaking Down Barriers in Tumor Invasion and Metastasis.. <i>Trends in Glycoscience and Glycotechnology</i> , 1999, 11, 297-298.	0.0	0
141	Multiple Heparan Sulfate Chains Enhance the Proteoglycan Functions.. <i>Trends in Glycoscience and Glycotechnology</i> , 1999, 11, 129-130.	0.0	0
142	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