

Heung Jae Chun

List of Publications by Year in descending order

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72
papers

1,898
citations

293460

24
h-index

312153

41
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74
all docs

74
docs citations

74
times ranked

2968
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of cell-laden visible light curable glycol chitosan bioink for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2022, 287, 119328.	5.1	31
2	Î²-Cyclodextrin/Triclosan Complex-Grafted Methacrylated Glycol Chitosan Hydrogel by Photocrosslinking via Visible Light Irradiation for a Tissue Bio-Adhesive. <i>International Journal of Molecular Sciences</i> , 2021, 22, 700.	1.8	11
3	Visible Light-Cured Antibacterial Collagen Hydrogel Containing Water-Solubilized Triclosan for Improved Wound Healing. <i>Materials</i> , 2021, 14, 2270.	1.3	9
4	Cyclic RGDfK- and Sulfo-Cy5.5-functionalized mPEG-PCL theranostic nanosystems for hepatocellular carcinoma. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 99, 204-213.	2.9	5
5	Preparation of Foam Dressings Based on Gelatin, Hyaluronic Acid, and Carboxymethyl Chitosan Containing Fibroblast Growth Factor-7 for Dermal Regeneration. <i>Polymers</i> , 2021, 13, 3279.	2.0	13
6	Theranostic potential of biodegradable polymeric nanoparticles with paclitaxel and curcumin against breast carcinoma. <i>Biomaterials Science</i> , 2021, 9, 3750-3761.	2.6	16
7	Injectable Glycol Chitosan Hydrogel Containing Folic Acid-Functionalized Cyclodextrin-Paclitaxel Complex for Breast Cancer Therapy. <i>Nanomaterials</i> , 2021, 11, 317.	1.9	11
8	Optimization of cRGDfK ligand concentration on polymeric nanoparticles to maximize cancer targeting. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 178-184.	2.9	10
9	Preparation of novel RGD-conjugated thermosensitive mPEG-PCL composite hydrogels and in vitro investigation of their impacts on adhesion-dependent cellular behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 226-235.	2.9	13
10	Injectable hydrogels based on MPEG-PCL-RGD and BMSCs for bone tissue engineering. <i>Biomaterials Science</i> , 2020, 8, 4334-4345.	2.6	31
11	Preparation of a photocured GelMA hydrogel co-cultured with HOKs and HGFs for an artificial oral mucosal tissue model. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 470-475.	2.9	13
12	Directional Cell Migration Guide for Improved Tissue Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1249, 131-140.	0.8	4
13	Visible Light-Curable Hydrogel Systems for Tissue Engineering and Drug Delivery. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1249, 85-93.	0.8	8
14	Hydrogel-Mediated DOX-HCl/PTX Delivery System for Breast Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4671.	1.8	13
15	Photo-Cured Glycol Chitosan Hydrogel for Ovarian Cancer Drug Delivery. <i>Marine Drugs</i> , 2019, 17, 41.	2.2	54
16	The Effect of Polydeoxyribonucleotide Extracted from Salmon Sperm on the Restoration of Bisphosphonate-Related Osteonecrosis of the Jaw. <i>Marine Drugs</i> , 2019, 17, 51.	2.2	12
17	Doxorubicin-Hydrochloride/Cisplatin-Loaded Hydrogel/Nanosized (2-Hydroxypropyl)-Beta-Cyclodextrin Local Drug-Delivery System for Osteosarcoma Treatment In Vivo. <i>Nanomaterials</i> , 2019, 9, 1652.	1.9	21
18	Preparation and anticancer activity evaluation of self-assembled paclitaxel conjugated MPEG-PCL micelles on 4T1 cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 369-377.	2.9	13

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19	Engineered beta-cyclodextrin-based carrier for targeted doxorubicin delivery in breast cancer therapy in vivo. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 145-151.	2.9	25
20	Preparation of poly-L-lysine-based nanoparticles with pH-sensitive release of curcumin for targeted imaging and therapy of liver cancer in vitro and in vivo. <i>Drug Delivery</i> , 2018, 25, 950-960.	2.5	56
21	The Cocktail Effect of BMP-2 and TGF- β 1 Loaded in Visible Light-Cured Glycol Chitosan Hydrogels for the Enhancement of Bone Formation in a Rat Tibial Defect Model. <i>Marine Drugs</i> , 2018, 16, 351.	2.2	43
22	Chitosan for Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1077, 475-485.	0.8	51
23	Collagen/poly(D,L-lactic-co-glycolic acid) composite fibrous scaffold prepared by independent nozzle control multi-electrospinning apparatus for dura repair. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 430-437.	2.9	16
24	Polydopamine-mediated surface modifications of poly L-lactic acid with hydroxyapatite, heparin and bone morphogenetic protein-2 and their effects on osseointegration. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 244-254.	2.9	6
25	Preparation and evaluation of visible-light cured glycol chitosan hydrogel dressing containing dual growth factors for accelerated wound healing. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 360-370.	2.9	71
26	Advanced capability of radially aligned fibrous scaffolds coated with polydopamine for guiding directional migration of human mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8725-8737.	2.9	18
27	Preparation of redox-sensitive β -CD-based nanoparticles with controlled release of curcumin for improved therapeutic effect on liver cancer in vitro. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 156-163.	2.9	14
28	Biodegradable poly(lactide-co-glycolide-co- ϵ -caprolactone) block copolymers – evaluation as drug carriers for a localized and sustained delivery system. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8143-8153.	2.9	31
29	Surface modification of titanium with hydroxyapatite-heparin-BMP-2 enhances the efficacy of bone formation and osseointegration in vitro and in vivo. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1067-1077.	1.3	38
30	Cellular behaviour of hepatocyte-like cells from nude mouse bone marrow-derived mesenchymal stem cells on galactosylated poly(D,L-lactic-co-glycolic acid). <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 819-825.	1.3	6
31	Preparation of zwitterionic sulfobetaine end-functionalized poly(ethylene glycol)-b-poly(ϵ -caprolactone) diblock copolymers and examination of their thermogelling properties. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2185-2191.	2.5	13
32	Effect of cultured medium of human umbilical cord blood-derived mesenchymal stem cells on melanogenic enzyme activity in mouse B16 melanoma cells. <i>Tissue Engineering and Regenerative Medicine</i> , 2014, 11, 414-422.	1.6	1
33	Evaluations of chitosan/poly(D,L-lactic-co-glycolic acid) composite fibrous scaffold for tissue engineering applications. <i>Macromolecular Research</i> , 2013, 21, 931-939.	1.0	20
34	In vitro evaluation of UHMWPE/zirconia composite using human peripheral blood mononuclear cells. <i>Macromolecular Research</i> , 2013, 21, 108-113.	1.0	3
35	The effect of titanium with heparin/BMP-2 complex for improving osteoblast activity. <i>Carbohydrate Polymers</i> , 2013, 98, 546-554.	5.1	27
36	Synthetic Peptide-conjugated Titanium Alloy for Enhanced Bone Formation In Vivo. <i>Connective Tissue Research</i> , 2012, 53, 359-365.	1.1	6

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37	Preparation of scaffolds based on bulky sutures for cell therapy. Proceedings of SPIE, 2012, , .	0.8	1
38	Differential DNA copy number aberrations in the progression of cervical lesions to invasive cervical carcinoma. International Journal of Oncology, 2012, 41, 2038-2046.	1.4	16
39	Characterization of naturally derived macromolecular matrix and its osteogenic activity with preosteoblasts. Macromolecular Research, 2012, 20, 868-874.	1.0	5
40	Effect of milling time on the viscosity of hydroxyapatite suspension. Current Applied Physics, 2012, 12, S71-S75.	1.1	8
41	Induction of classical activation of macrophage in vitro by water soluble chitin. Applied Surface Science, 2012, 262, 134-139.	3.1	10
42	Instrumental studies on silicone oil adsorption to the surface of intraocular lenses. Applied Surface Science, 2012, 262, 146-152.	3.1	32
43	Characterization of Surface Properties and Cytocompatibility of Ion-etched Chitosan Films. Langmuir, 2012, 28, 7223-7232.	1.6	11
44	<i>In vivo</i> biofunctionality comparison of different topographic PLLA scaffolds. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1751-1760.	2.1	16
45	Dielectric response of human melanoma cells on the surface of polymeric chemoattractants. Tissue Engineering and Regenerative Medicine, 2012, 9, 24-28.	1.6	2
46	Characterization and hepatocytes adhesion of galactosylated poly(D,L-lactic-co-glycolic acid) surface. Macromolecular Research, 2012, 20, 93-100.	1.0	6
47	Polymeric Scaffolds for Regenerative Medicine. Polymer Reviews, 2011, 51, 23-52.	5.3	93
48	Ring-Opening Polymerization of Cyclic Ester Monomers by Poly(propylene glycol) in the Presence of Monomer Activator and Examination of Triblock Copolymer Solution Properties. Current Nanoscience, 2011, 7, 955-960.	0.7	2
49	Submicron-Patterned Fibronectin Controls the Biological Behavior of Human Dermal Fibroblasts. Journal of Nanoscience and Nanotechnology, 2010, 10, 6864-6868.	0.9	6
50	Fabrication of core-shell microcapsules using PLGA and alginate for dual growth factor delivery system. Journal of Controlled Release, 2010, 147, 193-201.	4.8	109
51	A biodegradable, injectable, gel system based on MPEG-b-(PCL-ran-PLLA) diblock copolymers with an adjustable therapeutic window. Biomaterials, 2010, 31, 2453-2460.	5.7	103
52	In Vivo Biocompatibility Study of Electrospun Chitosan Microfiber for Tissue Engineering. International Journal of Molecular Sciences, 2010, 11, 4140-4148.	1.8	34
53	<i>In Vivo</i> Osteogenic Differentiation of Human Adipose-Derived Stem Cells in an Injectable <i>In Situ</i> Forming Gel Scaffold. Tissue Engineering - Part A, 2009, 15, 1821-1832.	1.6	71
54	Compatibility of diazepam with polypropylene multilayer infusion container. Macromolecular Research, 2009, 17, 516-521.	1.0	5

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55	Effect of $\hat{\text{I}}^3$ -Ray irradiation on surface oxidation of ultra high molecular weight polyethylene/zirconia composite prepared by in situ ziegler-natta polymerization. <i>Macromolecular Research</i> , 2009, 17, 603-608.	1.0	14
56	Ring-opening polymerization of $\hat{\text{E}}$ -caprolactone by poly(propyleneglycol) in the presence of a monomer activator. <i>Polymer</i> , 2009, 50, 6019-6023.	1.8	8
57	Electrostatic Crosslinked <i>In Situ</i> Forming <i>In Vivo</i> Scaffold for Rat Bone Marrow Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 3201-3209.	1.6	19
58	Fabrication of porous chitosan scaffold in order to improve biocompatibility. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1573-1576.	1.9	31
59	Complement activation by sulfonated poly(ethylene glycol)-acrylate copolymers through alternative pathway. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 50, 141-146.	2.5	13
60	Recombinant adenovirus-p53 gene transfer and cell-specific growth suppression of human cervical cancer cells in vitro and in vivo. <i>Gynecologic Oncology</i> , 2004, 92, 611-621.	0.6	9
61	Evaluations of poly(vinyl alcohol)/alginate hydrogels cross-linked by $\hat{\text{I}}^3$ -ray irradiation technique. <i>Macromolecular Research</i> , 2004, 12, 219-224.	1.0	38
62	Anti-complement effects of anion-substituted poly(vinyl alcohol) membranes. <i>Macromolecular Research</i> , 2004, 12, 46-52.	1.0	3
63	MAP, a protein interacting with a tumor suppressor, merlin, through the run domain. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 774-783.	1.0	15
64	Plasma protein adsorption to anion substituted poly(vinyl alcohol) membranes. <i>Macromolecular Research</i> , 2003, 11, 451-457.	1.0	10
65	Surface modification of polymethyl methacrylate intraocular lenses with the mixture of acrylic acid and acrylamide via plasma-induced graft copolymerization. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2361-2366.	1.3	27
66	A synthesis of O -diethylaminoethyl chitosan and its binding ability of cholate and deoxycholate anion in vitro. <i>Polymer Bulletin</i> , 1999, 42, 25-32.	1.7	16
67	Pervaporation separation of water-isopropanol mixture using carboxymethylated poly(vinyl alcohol) composite membranes. <i>Journal of Applied Polymer Science</i> , 1999, 72, 241-249.	1.3	71
68	Graft copolymerization of mixtures of acrylic acid and acrylamide onto polypropylene film. <i>Journal of Applied Polymer Science</i> , 1999, 72, 251-256.	1.3	38
69	Effect of resection velocity and suction ring on corneal flap formation in laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 1999, 25, 1448-1455.	0.7	39
70	Graft copolymerization of mixtures of acrylic acid and acrylamide onto polypropylene film. , 1999, 72, 251.		1
71	Synthesis of chitosan derivatives with quaternary ammonium salt and their antibacterial activity. <i>Polymer Bulletin</i> , 1997, 38, 387-393.	1.7	277
72	Scaffolds: <i>Regenerative Medicine</i> . , 0, , 7093-7113.		0