Tae Hee Kim

List of Publications by Year
in descending order

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51	3,810	186265	206112
papers	citations	28 h-index	48 g-index

57	57	57	5121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel degradable polycaprolactone networks for tissue engineering. Biomaterials, 2003, 24, 801-808.	11.4	610
2	Chemical modification of chitosan as a gene carrier in vitro and in vivo. Progress in Polymer Science, 2007, 32, 726-753.	24.7	312
3	Galactosylated chitosan/DNA nanoparticles prepared using water-soluble chitosan as a gene carrier. Biomaterials, 2004, 25, 3783-3792.	11.4	254
4	Efficient gene delivery by urocanic acid-modified chitosan. Journal of Controlled Release, 2003, 93, 389-402.	9.9	208
5	Galactosylated chitosan-graft-poly(ethylene glycol) as hepatocyte-targeting DNA carrier. Journal of Controlled Release, 2001, 76, 349-362.	9.9	204
6	A biodegradable poly(ester amine) based on polycaprolactone and polyethylenimine as a gene carrier. Biomaterials, 2007, 28, 735-744.	11.4	170
7	Galactose-carrying polymers as extracellular matrices for liver tissue engineering. Biomaterials, 2006, 27, 576-585.	11.4	168
8	The delivery of doxorubicin to 3-D multicellular spheroids and tumors in a murine xenograft model using tumor-penetrating triblock polymeric micelles. Biomaterials, 2010, 31, 7386-7397.	11.4	148
9	Mannosylated chitosan nanoparticleâ€“based cytokine gene therapy suppressed cancer growth in BALB/c mice bearing CT-26 carcinoma cells. Molecular Cancer Therapeutics, 2006, 5, 1723-1732.	4.1	142
10	PolySTAT-modified chitosan gauzes for improved hemostasis in external hemorrhage. Acta Biomaterialia, 2016, 31, 178-185.	8.3	134
11	Synergistic effect of poly(ethylenimine) on the transfection efficiency of galactosylated chitosan/DNA complexes. Journal of Controlled Release, 2005, 105, 354-366.	9.9	131
12	pH-dependent, thermosensitive polymeric nanocarriers for drug delivery to solid tumors. Biomaterials, 2013, 34, 4501-4509.	11.4	128
13	Evaluation of Temperature-Sensitive, Indocyanine Green-Encapsulating Micelles for Noninvasive Near-Infrared Tumor Imaging. Pharmaceutical Research, 2010, 27, 1900-1913.	3.5	116
14	Aerosol delivery of urocanic acidâ€“modified chitosan/programmed cell death 4 complex regulated apoptosis, cell cycle, and angiogenesis in lungs of K-ras null mice. Molecular Cancer Therapeutics, 2006, 5, 1041-1049.	4.1	103
15	Receptor-Mediated Gene Delivery into Antigen Presenting Cells Using Mannosylated Chitosan/DNA Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 2796-2803.	0.9	98
16	Release of albumin from chitosan-coated pectin beads in vitro. International Journal of Pharmaceutics, 2003, 250, 371-383.	5.2	92
17	Rapid development of dual porous poly(lactic acid) foam using fused deposition modeling (FDM) 3D printing for medical scaffold application. Materials Science and Engineering C, 2020, 110, 110693.	7.3	83
18	A Synthetic Carbohydrate Conjugate Vaccine Candidate against Shigellosis: Improved Bioconjugation and Impact of Alum on Immunogenicity. Bioconjugate Chemistry, 2016, 27, 883-892.	3.6	67

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19	Visualization of transfection of hepatocytes by galactosylated chitosan-graft-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T f 5 Pharmaceutics, 2003, 257, 103-110.	5.2	54
20	Urocanic acid-modified chitosan-mediated PTEN delivery via aerosol suppressed lung tumorigenesis in K-rasLA1 mice. Cancer Gene Therapy, 2008, 15, 275-283.	4.6	52
21	A Degradable Hyperbranched Poly(ester amine) Based on Poloxamer Diacrylate and Polyethylenimine as a Gene Carrier. Macromolecular Bioscience, 2007, 7, 611-619.	4.1	51
22	Filamentous, Mixed Micelles of Triblock Copolymers Enhance Tumor Localization of Indocyanine Green in a Murine Xenograft Model. Molecular Pharmaceutics, 2012, 9, 135-143.	4.6	46
23	Poly(lactic-co-glycolic) acid microspheres encapsulated in Pluronic F-127 prolong hirudin delivery and improve functional recovery from a demyelination lesion. Biomaterials, 2014, 35, 8895-8902.	11.4	40
24	Synthetic and natural microfibers induce gut damage in the brine shrimp Artemia franciscana. Aquatic Toxicology, 2021, 232, 105748.	4.0	39
25	Aerosol-delivered programmed cell death 4 enhanced apoptosis, controlled cell cycle and suppressed AP-1 activity in the lungs of AP-1 luciferase reporter mice. Gene Therapy, 2007, 14, 1353-1361.	4.5	38
26	Poly (amino ester) Composed of Poly (ethylene glycol) and Aminosilane Prepared by Combinatorial Chemistry as a Gene Carrier. Pharmaceutical Research, 2008, 25, 875-885.	3.5	38
27	The therapeutic efficiency of FP-PEA/TAM67 gene complexes via folate receptor-mediated endocytosis in a xenograft mice model. Biomaterials, 2010, 31, 2435-2445.	11.4	35
28	3D bioprinted complex constructs reinforced by hybrid multilayers of electrospun nanofiber sheets. Biofabrication, 2019, 11, 025015.	7.1	34
29	Receptor-mediated gene delivery using chemically modified chitosan. Biomedical Materials (Bristol), 2007, 2, S95-S100.	3.3	28
30	A Novel Mucoadhesive Polymer Film Composed of Carbopol, Poloxamer and Hydroxypropylmethylcellulose. Archives of Pharmacal Research, 2007, 30, 381-386.	6.3	28
31	Aerosol delivery of Akt controls protein translation in the lungs of dual luciferase reporter mice. Gene Therapy, 2007, 14, 451-458.	4.5	21
32	Drug release from xyloglucan beads coated with Eudragit for oral drug delivery. Archives of Pharmacal Research, 2005, 28, 736-742.	6.3	19
33	Recombinant batroxobin-coated nonwoven chitosan as hemostatic dressing for initial hemorrhage control. International Journal of Biological Macromolecules, 2018, 113, 757-763.	7.5	17
34	Chemical Modification of Chitosan for Gene Delivery. Journal of Dispersion Science and Technology, 2003, 24, 489-498.	2.4	14
35	Preparation and characterization of calcium carboxymethyl cellulose/chitosan blend nonwovens for hemostatic agents. Textile Reseach Journal, 2018, 88, 1902-1911.	2.2	14
36	Evaluation of 3D Templated Synthetic Vascular Graft Compared with Standard Graft in a Rat Model: Potential Use as an Artificial Vascular Graft in Cardiovascular Disease. Materials, 2021, 14, 1239.	2.9	14

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37	Efficient route to orthogonally protected precursors of 2-acylamino-2-deoxy-3-O-substituted-Î²-d-glucopyranose derivatives and use thereof. Tetrahedron Letters, 2008, 49, 5339-5342.	1.4	13
38	A comparative study on the dielectric and dynamic mechanical relaxation behavior of the regenerated silk fibroin films. Macromolecular Research, 2009, 17, 785-790.	2.4	13
39	Structure and liquid handling properties of water-insoluble carboxymethyl cellulose foam. Fibers and Polymers, 2015, 16, 726-734.	2.1	6
40	Gold Nanoparticle/Carbon Fiber Hybrid Structure from the Eco-Friendly and Energy-Efficient Process for Electrochemical Biosensing. ACS Sustainable Chemistry and Engineering, 2022, 10, 8815-8824.	6.7	6
41	Fabrication of superabsorbent ultrathin nanofibers using mesoporous materials for antimicrobial drug-delivery applications. Macromolecular Research, 2013, 21, 1281-1288.	2.4	5
42	Chitosan Derivatives as Gene Carriers. Key Engineering Materials, 2005, 288-289, 97-100.	0.4	3
43	Novel Poly(Ester Amine) Based on Polycaprolactone and Polyethylenimine as a Gene Carrier: Effect of Hydrophobicity on Transfection Efficiency and Cytotoxicity. Key Engineering Materials, 0, 342-343, 453-456.	0.4	3
44	Folate Conjugated Poly(ester amine) for Lung Cancer Therapy. Journal of Nanoscience and Nanotechnology, 2010, 10, 3294-3298.	0.9	3
45	Receptor-Mediated Gene Delivery Using Chitosan Derivatives In Vitro and In Vivo. Materials Science Forum, 2007, 539-543, 641-646.	0.3	2
46	Receptor-Mediated Gene Delivery Using Chitosan Derivativesin Vitro andin Vivo. Macromolecular Symposia, 2007, 249-250, 137-144.	0.7	2
47	Introducing Deodorant Property on Chitosan Nonwoven Fabric by Sericin Post-Treatment. Textile Science and Engineering, 2016, 53, 273-278.	0.4	2
48	Galactosylated Chitosan/Carbonate Apatite Nanohybridization for Cell Specificity and High Transfection Efficiency as a DNA Carrier. Key Engineering Materials, 2007, 342-343, 437-440.	0.4	1
49	Receptor-Mediated Gene Delivery Using Chitosan Derivatives In Vitro and In Vivo. Key Engineering Materials, 2007, 342-343, 449-452.	0.4	1
50	Endomicroscopy and biocompatible fluorescent nanocomplexes for clinical translation of high-resolution optical molecular imaging. , 2009, , .		0
51	Curcumin-Incorporated Polymeric Scaffolds and Their Potential for the Detection of Radical Molecules. Macromolecular Research, 2018, 26, 145-150.	2.4	0