

Yong Woo Cho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3389332/publications.pdf>

Version: 2024-02-01

85
papers

5,561
citations

76326

40
h-index

82547

72
g-index

86
all docs

86
docs citations

86
times ranked

8025
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycation gene delivery systems: escape from endosomes to cytosol. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 55, 721-734.	2.4	319
2	Porous chitosan scaffold containing microspheres loaded with transforming growth factor- β 1: Implications for cartilage tissue engineering. <i>Journal of Controlled Release</i> , 2003, 91, 365-374.	9.9	270
3	Biodistribution and anti-tumor efficacy of doxorubicin loaded glycol-chitosan nanoaggregates by EPR effect. <i>Journal of Controlled Release</i> , 2003, 91, 135-145.	9.9	266
4	Hydrotropic polymer micelle system for delivery of paclitaxel. <i>Journal of Controlled Release</i> , 2005, 101, 59-68.	9.9	266
5	ROS-generating TiO ₂ nanoparticles for non-invasive sonodynamic therapy of cancer. <i>Scientific Reports</i> , 2016, 6, 23200.	3.3	251
6	N-acetyl histidine-conjugated glycol chitosan self-assembled nanoparticles for intracytoplasmic delivery of drugs: Endocytosis, exocytosis and drug release. <i>Journal of Controlled Release</i> , 2006, 115, 37-45.	9.9	233
7	Hydrotropic Polymeric Micelles for Enhanced Paclitaxel Solubility: In Vitro and In Vivo Characterization. <i>Biomacromolecules</i> , 2007, 8, 202-208.	5.4	183
8	Piezoelectric inkjet printing of polymers: Stem cell patterning on polymer substrates. <i>Polymer</i> , 2010, 51, 2147-2154.	3.8	172
9	Human extracellular matrix (ECM) powders for injectable cell delivery and adipose tissue engineering. <i>Journal of Controlled Release</i> , 2009, 139, 2-7.	9.9	162
10	Small extracellular vesicles from human adipose-derived stem cells attenuate cartilage degeneration. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1735249.	12.2	162
11	Hydrotropic agents for study of in vitro paclitaxel release from polymeric micelles. <i>Journal of Controlled Release</i> , 2004, 97, 249-257.	9.9	155
12	Human gelatin tissue-adhesive hydrogels prepared by enzyme-mediated biosynthesis of DOPA and Fe ³⁺ ion crosslinking. <i>Journal of Materials Chemistry B</i> , 2014, 2, 201-209.	5.8	148
13	Exosomes from differentiating human skeletal muscle cells trigger myogenesis of stem cells and provide biochemical cues for skeletal muscle regeneration. <i>Journal of Controlled Release</i> , 2016, 222, 107-115.	9.9	138
14	Fabrication of drug-loaded polymer microparticles with arbitrary geometries using a piezoelectric inkjet printing system. <i>International Journal of Pharmaceutics</i> , 2012, 427, 305-310.	5.2	125
15	Decellularized extracellular matrix derived from human adipose tissue as a potential scaffold for allograft tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 292-299.	4.0	116
16	Full-Thickness Skin Wound Healing Using Human Placenta-Derived Extracellular Matrix Containing Bioactive Molecules. <i>Tissue Engineering - Part A</i> , 2013, 19, 329-339.	3.1	115
17	In vivo tumor targeting and radionuclide imaging with self-assembled nanoparticles: Mechanisms, key factors, and their implications. <i>Biomaterials</i> , 2007, 28, 1236-1247.	11.4	109
18	Decellularized Extracellular Matrix Derived from Porcine Adipose Tissue as a Xenogeneic Biomaterial for Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 866-876.	2.1	104

#	ARTICLE	IF	CITATIONS
19	Metabolically engineered stem cell-derived exosomes to regulate macrophage heterogeneity in rheumatoid arthritis. <i>Science Advances</i> , 2021, 7, .	10.3	100
20	Injectable and Thermosensitive Soluble Extracellular Matrix and Methylcellulose Hydrogels for Stem Cell Delivery in Skin Wounds. <i>Biomacromolecules</i> , 2016, 17, 4-11.	5.4	93
21	Hydrotropic oligomer-conjugated glycol chitosan as a carrier of paclitaxel: Synthesis, characterization, and in vivo biodistribution. <i>Journal of Controlled Release</i> , 2009, 140, 210-217.	9.9	87
22	A bilayer composite composed of TiO ₂ -incorporated electrospun chitosan membrane and human extracellular matrix sheet as a wound dressing. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 841-854.	3.5	77
23	Porous Three-Dimensional PVA/Gelatin Sponge for Skin Tissue Engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 384-389.	3.4	76
24	Extracellular vesicles from adipose tissue-derived stem cells alleviate osteoporosis through osteoprotegerin and miR-21a-5p. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12152.	12.2	74
25	Human collagen-based multilayer scaffolds for tendon-to-bone interface tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 4044-4054.	4.0	68
26	Fabrication of Porous Extracellular Matrix Scaffolds from Human Adipose Tissue. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 387-396.	2.1	67
27	Functional recovery in photo-damaged human dermal fibroblasts by human adipose-derived stem cell extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1565885.	12.2	63
28	In vivo stem cell tracking with imageable nanoparticles that bind bioorthogonal chemical receptors on the stem cell surface. <i>Biomaterials</i> , 2017, 139, 12-29.	11.4	62
29	Size control of self-assembled nanoparticles by an emulsion/solvent evaporation method. <i>Colloid and Polymer Science</i> , 2006, 284, 506-512.	2.1	60
30	Assessment of PEO/PTMO multiblock copolymer/segmented polyurethane blends as coating materials for urinary catheters: in vitro bacterial adhesion and encrustation behavior. <i>Biomaterials</i> , 2002, 23, 3991-4000.	11.4	59
31	Cell Labeling and Tracking Method without Distorted Signals by Phagocytosis of Macrophages. <i>Theranostics</i> , 2014, 4, 420-431.	10.0	57
32	A Glucose Sensor Fabricated by Piezoelectric Inkjet Printing of Conducting Polymers and Bionzymes. <i>Analytical Sciences</i> , 2011, 27, 375-379.	1.6	55
33	Induced Phenotype Targeted Therapy: Radiation-Induced Apoptosis-Targeted Chemotherapy. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	6.3	55
34	Recellularization of decellularized human adipose-tissue-derived extracellular matrix sheets with other human cell types. <i>Cell and Tissue Research</i> , 2012, 348, 559-567.	2.9	54
35	Bioorthogonal Copper Free Click Chemistry for Labeling and Tracking of Chondrocytes <i>In Vivo</i> . <i>Bioconjugate Chemistry</i> , 2016, 27, 927-936.	3.6	53
36	Regeneration of the rotator cuff tendon-to-bone interface using umbilical cord-derived mesenchymal stem cells and gradient extracellular matrix scaffolds from adipose tissue in a rat model. <i>Acta Biomaterialia</i> , 2020, 114, 104-116.	8.3	48

#	ARTICLE	IF	CITATIONS
37	Cell reprogramming using extracellular vesicles from differentiating stem cells into white/beige adipocytes. <i>Science Advances</i> , 2020, 6, eaay6721.	10.3	48
38	Preparation and characterization of self-assembled nanoparticles based on glycol chitosan bearing adriamycin. <i>Colloid and Polymer Science</i> , 2006, 284, 763-770.	2.1	47
39	<i>In Vitro</i> Cartilage Tissue Engineering Using Adipose-Derived Extracellular Matrix Scaffolds Seeded with Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 80-92.	3.1	47
40	Electrochemical endotoxin sensors based on TLR4/MD-2 complexes immobilized on gold electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 28, 139-145.	10.1	46
41	Artificial skin models for animal-free testing. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 215-223.	5.3	46
42	Engineering approaches for effective therapeutic applications based on extracellular vesicles. <i>Journal of Controlled Release</i> , 2021, 330, 15-30.	9.9	45
43	The Antioxidant Effect of Small Extracellular Vesicles Derived from Aloe vera Peels for Wound Healing. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 561-571.	3.7	45
44	Norfloxacin-releasing urethral catheter for long-term catheterization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 951-962.	3.5	41
45	An Electrochemical Biosensor Based on a Myoglobin-specific Binding Peptide for Early Diagnosis of Acute Myocardial Infarction. <i>Analytical Sciences</i> , 2015, 31, 699-704.	1.6	38
46	Cell-Free Hydrogel System Based on a Tissue-Specific Extracellular Matrix for In Situ Adipose Tissue Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8581-8588.	8.0	37
47	Gentamicin-releasing urethral catheter for short-term catheterization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 963-972.	3.5	34
48	Preparation and characterization of cisplatin-incorporated chitosan hydrogels, microparticles, and nanoparticles. <i>Macromolecular Research</i> , 2006, 14, 573-578.	2.4	34
49	Human adipose stem cell-derived extracellular nanovesicles for treatment of chronic liver fibrosis. <i>Journal of Controlled Release</i> , 2020, 320, 328-336.	9.9	34
50	Novel Thermosensitive 5-Fluorouracil-Cyclotriphosphazene Conjugates: Synthesis, Thermosensitivity, Degradability, and in Vitro Antitumor Activity. <i>Bioconjugate Chemistry</i> , 2005, 16, 1529-1535.	3.6	30
51	Polymer inkjet printing: Construction of three-dimensional structures at micro-scale by repeated lamination. <i>Macromolecular Research</i> , 2009, 17, 197-202.	2.4	30
52	Bioorthogonally surface-mediated extracellular vesicles based on metabolic glycoengineering for CD44-mediated targeting of inflammatory diseases. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12077.	12.2	30
53	Non-invasive stem cell tracking in hindlimb ischemia animal model using bio-orthogonal copper-free click chemistry. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 779-786.	2.1	29
54	Human collagen isolated from adipose tissue. <i>Biotechnology Progress</i> , 2012, 28, 973-980.	2.6	27

#	ARTICLE	IF	CITATIONS
55	Stem cell delivery systems inspired by tissue-specific niches. <i>Journal of Controlled Release</i> , 2014, 193, 42-50.	9.9	27
56	Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARS-CoV-2 infection. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12179.	12.2	24
57	In vitro cellular uptake and cytotoxicity of paclitaxel-loaded glycol chitosan self-assembled nanoparticles. <i>Macromolecular Research</i> , 2007, 15, 513-519.	2.4	21
58	Adipose tissue: A valuable resource of biomaterials for soft tissue engineering. <i>Macromolecular Research</i> , 2014, 22, 932-947.	2.4	21
59	Reprogramming of cancer stem cells into non-tumorigenic cells using stem cell exosomes for cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 511-516.	2.1	21
60	In vitro expansion of human adipose-derived stem cells in a spinner culture system using human extracellular matrix powders. <i>Cell and Tissue Research</i> , 2011, 345, 415-423.	2.9	20
61	Vitamin A-coupled stem cell-derived extracellular vesicles regulate the fibrotic cascade by targeting activated hepatic stellate cells in vivo. <i>Journal of Controlled Release</i> , 2021, 336, 285-295.	9.9	20
62	Effect of Inorganic and Organic Salts on the Thermogelling Behavior of Poly(organophosphazenes). <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 412-418.	2.2	19
63	Complex adaptive therapeutic strategy (CATS) for cancer. <i>Journal of Controlled Release</i> , 2014, 175, 43-47.	9.9	19
64	Thermo-responsive human α -elastin self-assembled nanoparticles for protein delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 122-129.	5.0	19
65	Fabrication of precisely controlled silicon wire and cone arrays by electrochemical etching. <i>Materials Letters</i> , 2009, 63, 2567-2569.	2.6	18
66	Human Adipose Tissue Derived Extracellular Matrix and Methylcellulose Hydrogels Augments and Regenerates the Paralyzed Vocal Fold. <i>PLoS ONE</i> , 2016, 11, e0165265.	2.5	14
67	Tumoral accumulation of long-circulating, self-assembled nanoparticles and its visualization by gamma scintigraphy. <i>Macromolecular Research</i> , 2008, 16, 15-20.	2.4	13
68	Improvement of Stem Cell Viability in Hyaluronic Acid Hydrogels Using Dextran Microspheres. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1701-1711.	3.5	13
69	Potential anti-ageing effect of chondroitin sulphate through skin regeneration. <i>International Journal of Cosmetic Science</i> , 2020, 42, 520-527.	2.6	12
70	Construction of Micro-Patterned Polymer Structures by Piezoelectric Inkjet Printing. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 1318-1323.	1.9	11
71	Regioselective succinylation and gelation behavior of glycol chitosan. <i>Macromolecular Research</i> , 2008, 16, 57-61.	2.4	10
72	Facile preparation of biodegradable glycol chitosan hydrogels using divinyladipate as a crosslinker. <i>Macromolecular Research</i> , 2009, 17, 734-738.	2.4	10

#	ARTICLE	IF	CITATIONS
73	Three-dimensional porous HPMA-co-DMAEM hydrogels for biomedical application. Colloid and Polymer Science, 2013, 291, 1121-1133.	2.1	10
74	Cyclotriphosphazene-Pt-DACH Conjugates with Dipeptide Spacers for Drug Delivery Systems. Journal of Bioactive and Compatible Polymers, 2010, 25, 274-291.	2.1	8
75	Study and Evaluation of the Potential of Lipid Nanocarriers for Transdermal Delivery of siRNA. Biotechnology Journal, 2020, 15, e2000079.	3.5	7
76	Stem Cell-Derived Extracellular Vesicle-Bearing Dermal Filler Ameliorates the Dermis Microenvironment by Supporting CD301b-Expressing Macrophages. ACS Nano, 2022, 16, 251-260.	14.6	7
77	Self-Assembling β -Glucan Nanomedicine for the Delivery of siRNA. Biomedicines, 2020, 8, 497.	3.2	6
78	Precipitation-Mediated PEGylation of Plant-Derived Nanovesicles. Macromolecular Research, 2022, 30, 85-89.	2.4	5
79	Adipose stem cell-derived extracellular vesicles ameliorates corticosterone-induced apoptosis in the cortical neurons via inhibition of ER stress. Stem Cell Research and Therapy, 2022, 13, 110.	5.5	4
80	PEGylation: Camouflage of Proteins, Cells, and Nanoparticles Against Recognition by the Body's Defense Mechanism. , 0, , 443-461.		3
81	Electrochemical Nucleation of SiO ₂ Nanoparticles into the Pore Bottoms of an Anodic Aluminum Oxide. Journal of Nanoscience and Nanotechnology, 2009, 9, 2603-2606.	0.9	3
82	Molecular imaging for In vivo tracking of stem cell fate. Macromolecular Research, 2014, 22, 1141-1151.	2.4	2
83	Arbitrary, complex cell patterning via inkjet printing of a cell membrane-anchoring polymer. Macromolecular Research, 2012, 20, 528-533.	2.4	1
84	Regeneration of Tendon-to-Bone Interface of Rotator Cuff with Umbilical Cord Derived Mesenchymal Stem Cells and Gradient Extracellular Matrix Scaffolds from Adipose Tissue in a Rat Model. SSRN Electronic Journal, 0, , .	0.4	1
85	2D to 3D transformation of gold nanosheets on human adipose-derived β -elastin nanotemplates. Journal of Industrial and Engineering Chemistry, 2021, 95, 66-72.	5.8	0