

Hansoo Park

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

4,107
citations

182225

30
h-index

139680

61
g-index

86
all docs

86
docs citations

86
times ranked

8183
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of human adipose-derived stem cell on surface-modified silicone implant to reduce capsular contracture formation. <i>Bioengineering and Translational Medicine</i> , 2022, 7, e10260.	3.9	5
2	Itaconic acid-based superabsorbent polymer with high gel strength and biocompatibility. <i>Polymer International</i> , 2022, 71, 1090-1098.	1.6	7
3	Single-step acid-catalyzed synthesis of luminescent colloidal organosilica nanobeads. <i>Nano Convergence</i> , 2022, 9, 12.	6.3	3
4	Improvement of IgA Nephropathy and Kidney Regeneration by Functionalized Hyaluronic Acid and Gelatin Hydrogel. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 643-658.	1.6	4
5	Three-Dimensional Culture for <i>In Vitro</i> Folliculogenesis in the Aspect of Methods and Materials. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 1242-1257.	2.5	6
6	Labeling and tracking cells with gold nanoparticles. <i>Drug Discovery Today</i> , 2021, 26, 94-105.	3.2	16
7	Improved absorption performance of itaconic acid based superabsorbent hydrogel using vinyl sulfonic acid. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 1166-1175.	0.6	5
8	Surface Coating with Hyaluronic Acid-Gelatin-Crosslinked Hydrogel on Gelatin-Conjugated Poly(dimethylsiloxane) for Implantable Medical Device-Induced Fibrosis. <i>Pharmaceutics</i> , 2021, 13, 269.	2.0	20
9	Natural bio-based monomers for biomedical applications: a review. <i>Biomaterials Research</i> , 2021, 25, 8.	3.2	57
10	Optimization of oxygen plasma treatment of silicone implant surface for inhibition of capsular contracture. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 226-238.	2.9	3
11	Functional Duality of Chondrocyte Hypertrophy and Biomedical Application Trends in Osteoarthritis. <i>Pharmaceutics</i> , 2021, 13, 1139.	2.0	12
12	SPRY4 acts as an indicator of osteoarthritis severity and regulates chondrocyte hypertrophy and ECM protease expression. <i>Npj Regenerative Medicine</i> , 2021, 6, 56.	2.5	8
13	Matrilin3/TGF β 23 gelatin microparticles promote chondrogenesis, prevent hypertrophy, and induce paracrine release in MSC spheroid for disc regeneration. <i>Npj Regenerative Medicine</i> , 2021, 6, 50.	2.5	24
14	Engineering and Functionalization of Gelatin Biomaterials: From Cell Culture to Medical Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 164-180.	2.5	319
15	Three-dimensional cartilage tissue regeneration system harnessing goblet-shaped microwells containing biocompatible hydrogel. <i>Biofabrication</i> , 2020, 12, 015019.	3.7	9
16	Recent Developments in Nanofiber Fabrication and Modification for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 99.	1.8	69
17	Matrilin-3-Primed Adipose-Derived Mesenchymal Stromal Cell Spheroids Prevent Mesenchymal Stromal-Cell-Derived Chondrocyte Hypertrophy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8911.	1.8	8
18	Engineering Multi-Cellular Spheroids for Tissue Engineering and Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000608.	3.9	102

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19	<p>Combating Intracellular Pathogens with Nanohybrid-Facilitated Antibiotic Delivery</p>. International Journal of Nanomedicine, 2020, Volume 15, 8437-8449.	3.3	11
20	Efficacy of matrilin-3-primed adipose-derived mesenchymal stem cell spheroids in a rabbit model of disc degeneration. Stem Cell Research and Therapy, 2020, 11, 363.	2.4	20
21	Inhibition of Capsular Contracture of Poly (Dimethyl Siloxane) Medical Implants by Surface Modification with Itaconic Acid Conjugated Gelatin. Journal of Industrial and Engineering Chemistry, 2020, 89, 128-138.	2.9	13
22	Modulation of immune responses with nanoparticles and reduction of their immunotoxicity. Biomaterials Science, 2020, 8, 1490-1501.	2.6	47
23	Modulation of Foreign Body Reaction against PDMS Implant by Grafting Topographically Different Poly(acrylic acid) Micropatterns. Macromolecular Bioscience, 2019, 19, 1900206.	2.1	11
24	Tailoring cubic and dodecagonal quasicrystalline mesophases of mesoporous organosilica nanoparticles and core/shell structure. Materials Science and Engineering C, 2019, 98, 666-674.	3.8	3
25	Fabrication of core-shell spheroids as building blocks for engineering 3D complex vascularized tissue. Acta Biomaterialia, 2019, 100, 158-172.	4.1	28
26	Suppression of SPRY4 Promotes Osteogenic Differentiation and Bone Formation of Mesenchymal Stem Cell. Tissue Engineering - Part A, 2019, 25, 1646-1657.	1.6	9
27	Biodegradable polymers for modern vaccine development. Journal of Industrial and Engineering Chemistry, 2019, 77, 12-24.	2.9	43
28	Gold Nanoparticles for Photothermal Cancer Therapy. Frontiers in Chemistry, 2019, 7, 167.	1.8	547
29	Spheroid Culture System Methods and Applications for Mesenchymal Stem Cells. Cells, 2019, 8, 1620.	1.8	274
30	Cell membrane-coated nanocarriers: the emerging targeted delivery system for cancer theranostics. Drug Discovery Today, 2018, 23, 891-899.	3.2	112
31	Surface conjugation of poly (dimethyl siloxane) with itaconic acid-based materials for antibacterial effects. Applied Surface Science, 2018, 437, 245-256.	3.1	15
32	Current approaches in biomaterial-based hematopoietic stem cell niches. Acta Biomaterialia, 2018, 72, 1-15.	4.1	48
33	Incorporation of gelatin microparticles on the formation of adipose-derived stem cell spheroids. International Journal of Biological Macromolecules, 2018, 110, 472-478.	3.6	21
34	Matrilin-3 codelivery with adipose-derived mesenchymal stem cells promotes articular cartilage regeneration in a rat osteochondral defect model. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 667-675.	1.3	23
35	Microneedles: A versatile strategy for transdermal delivery of biological molecules. International Journal of Biological Macromolecules, 2018, 110, 30-38.	3.6	52
36	Near-infrared light for on-demand drug delivery. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 750-761.	1.9	8

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37	Contemporary Polymer-Based Nanoparticle Systems for Photothermal Therapy. <i>Polymers</i> , 2018, 10, 1357.	2.0	40
38	Hydrogel Biomaterials for Stem Cell Microencapsulation. <i>Polymers</i> , 2018, 10, 997.	2.0	101
39	Antimicrobial activity of silver nanoparticles encapsulated in poly-&em&N&em&-isopropylacrylamide-based polymeric nanoparticles. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 235-249.	3.3	89
40	Temperature-Responsive Hydrogel-Coated Gold Nanoshells. <i>Gels</i> , 2018, 4, 28.	2.1	17
41	Current Approaches Including Novel Nano/Microtechniques to Reduce Silicone Implant-Induced Contracture with Adverse Immune Responses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1171.	1.8	26
42	Bioengineered stem cell membrane functionalized nanocarriers for therapeutic targeting of severe hindlimb ischemia. <i>Biomaterials</i> , 2018, 185, 360-370.	5.7	81
43	Self-Assembled Nanoconstructs Modified with Amplified Aptamers Inhibited Tumor Growth and Retinal Vascular Hyperpermeability via Vascular Endothelial Growth Factor Capturing. <i>Molecular Pharmaceutics</i> , 2017, 14, 1460-1468.	2.3	13
44	Combined chemical and physical transformation method with RbCl and sepiolite for the transformation of various bacterial species. <i>Journal of Microbiological Methods</i> , 2017, 135, 48-51.	0.7	8
45	Self-assembled nanocomplex between polymerized phenylboronic acid and doxorubicin for efficient tumor-targeted chemotherapy. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 848-858.	2.8	30
46	Crosslinking method of hyaluronic-based hydrogel for biomedical applications. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141772646.	2.3	256
47	Synthesis and Characterization of Gelatin-Based Crosslinkers for the Fabrication of Superabsorbent Hydrogels. <i>Materials</i> , 2017, 10, 826.	1.3	27
48	Role of RHEB in Regulating Differentiation Fate of Mesenchymal Stem Cells for Cartilage and Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 880.	1.8	11
49	Matrilin-3 Role in Cartilage Development and Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 590.	1.8	24
50	Fabrication of cell sheets with anisotropically aligned myotubes using thermally expandable micropatterned hydrogels. <i>Macromolecular Research</i> , 2016, 24, 562-572.	1.0	15
51	Snapshot of phase transition in thermoresponsive hydrogel PNIPAM: Role in drug delivery and tissue engineering. <i>Macromolecular Research</i> , 2016, 24, 297-304.	1.0	153
52	Microengineered platforms for co-cultured mesenchymal stem cells towards vascularized bone tissue engineering. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 465-474.	1.6	18
53	Magnetic force-assisted self-locking metallic bead array for fabrication of diverse concave microwell geometries. <i>Lab on A Chip</i> , 2016, 16, 3565-3575.	3.1	24
54	Fabrication of FGF-2 immobilized electrospun gelatin nanofibers for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1559-1566.	3.6	40

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55	Lipid-based surface engineering of PLGA nanoparticles for drug and gene delivery applications. <i>Biomaterials Research</i> , 2016, 20, 34.	3.2	79
56	Biofunctionalized nanoparticles: an emerging drug delivery platform for various disease treatments. <i>Drug Discovery Today</i> , 2016, 21, 1303-1312.	3.2	74
57	Effective delivery of immunosuppressive drug molecules by silica coated iron oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 290-296.	2.5	40
58	Engineered nanoconstructs for the multiplexed and sensitive detection of high-risk pathogens. <i>Nanoscale</i> , 2016, 8, 1944-1951.	2.8	22
59	Poly(N -isopropylacrylamide)-based nanogels encapsulating gold nanoparticles for DNA delivery. <i>Journal of Controlled Release</i> , 2015, 213, e85.	4.8	7
60	Osteogenic/Angiogenic Dual Growth Factor Delivery Microcapsules for Regeneration of Vascularized Bone Tissue. <i>Advanced Healthcare Materials</i> , 2015, 4, 1982-1992.	3.9	88
61	Multi-Compartmental Hydrogel Microparticles Fabricated by Combination of Sequential Electrospinning and Photopatterning. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11511-11515.	7.2	36
62	Enhanced detection of single-cell-secreted proteins using a fluorescent immunoassay on the protein-G-terminated glass substrate. <i>International Journal of Nanomedicine</i> , 2015, 10, 7197.	3.3	5
63	Influence of cationic lipid concentration on properties of lipid-polymer hybrid nanospheres for gene delivery. <i>International Journal of Nanomedicine</i> , 2015, 10, 5367.	3.3	40
64	Facile method for fabricating uniformly patterned and porous nanofibrous scaffolds for tissue engineering. <i>Macromolecular Research</i> , 2015, 23, 1152-1158.	1.0	6
65	RPM peptide conjugated bioreducible polyethylenimine targeting invasive colon cancer. <i>Journal of Controlled Release</i> , 2015, 205, 172-180.	4.8	27
66	Fluorescence switch for silver ion detection utilizing dimerization of DNA-Ag nanoclusters. <i>Biosensors and Bioelectronics</i> , 2015, 68, 642-647.	5.3	81
67	Transfer stamping of human mesenchymal stem cell patches using thermally expandable hydrogels with tunable cell-adhesive properties. <i>Biomaterials</i> , 2015, 54, 44-54.	5.7	30
68	Surface-tunable Bioluminescence Resonance Energy Transfer via Geometry-Controlled ZnO Nanorod Coordination. <i>Small</i> , 2015, 11, 3469-3475.	5.2	4
69	Nano "Chocolate Waffle" for near-IR Responsive Drug Releasing System. <i>Small</i> , 2015, 11, 5315-5323.	5.2	23
70	Preparation of cationic lipid layered PLGA hybrid nanoparticles for gene delivery. <i>Journal of Controlled Release</i> , 2015, 213, e92-e93.	4.8	12
71	Nitric oxide-releasing polymer incorporated ointment for cutaneous wound healing. <i>Journal of Controlled Release</i> , 2015, 220, 624-630.	4.8	73
72	Dual growth factor-loaded core-shell polymer microcapsules can promote osteogenesis and angiogenesis. <i>Macromolecular Research</i> , 2014, 22, 1320-1329.	1.0	15

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73	Enhanced therapeutic efficacy of lipophilic amphotericin B against <i>Candida albicans</i> with amphiphilic poly(N-isopropylacrylamide) nanogels. <i>Macromolecular Research</i> , 2014, 22, 1125-1131.	1.0	22
74	An epigenomic roadmap to induced pluripotency reveals DNA methylation as a reprogramming modulator. <i>Nature Communications</i> , 2014, 5, 5619.	5.8	108
75	A three-dimensional co-culture of HepG2 spheroids and fibroblasts using double-layered fibrous scaffolds incorporated with hydrogel micropatterns. <i>RSC Advances</i> , 2014, 4, 61005-61011.	1.7	28
76	Colloidal stability evolution and completely reversible aggregation of gold nanoparticles functionalized with rationally designed free radical initiators. <i>Colloid and Polymer Science</i> , 2014, 292, 411-421.	1.0	11
77	Co-delivery of Cbfa-1-targeting siRNA and SOX9 protein using PLGA nanoparticles to induce chondrogenesis of human mesenchymal stem cells. <i>Biomaterials</i> , 2014, 35, 8236-8248.	5.7	33
78	Intracellular delivery and activation of the genetically encoded photosensitizer Killer Red by quantum dots encapsulated in polymeric micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 284-294.	2.5	14
79	Selective transfection with osmotically active sorbitol modified PEI nanoparticles for enhanced anti-cancer gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 119, 126-136.	2.5	16
80	Effect of pre-cleaning treatment and contact wetting angle in the interface between P-doped Si surfaces and selective solar cell electrodes. <i>Electronic Materials Letters</i> , 2013, 9, 501-504.	1.0	4
81	A family-based association study after genome-wide linkage analysis identified two genetic loci for renal function in a Mongolian population. <i>Kidney International</i> , 2013, 83, 285-292.	2.6	13
82	Comprehensive genomic analyses associate <i>UGT8</i> variants with musical ability in a Mongolian population. <i>Journal of Medical Genetics</i> , 2012, 49, 747-752.	1.5	48
83	Enhancement of cardiac myoblast responses onto electrospun PLCL fibrous matrices coated with polydopamine for gelatin immobilization. <i>Macromolecular Research</i> , 2011, 19, 835-842.	1.0	23
84	Effect of palladium ion on facilitated olefin transport through silver-polymer complex membranes. <i>Macromolecular Research</i> , 2011, 19, 1077-1081.	1.0	5
85	Discovery of common Asian copy number variants using integrated high-resolution array CGH and massively parallel DNA sequencing. <i>Nature Genetics</i> , 2010, 42, 400-405.	9.4	179