

Kangwon Lee

List of Publications by Year in descending order

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36
papers

1,971
citations

471509

17
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

3827
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth factor delivery-based tissue engineering: general approaches and a review of recent developments. <i>Journal of the Royal Society Interface</i> , 2011, 8, 153-170.	3.4	1,150
2	Osteogenic/Angiogenic Dual Growth Factor Delivery Microcapsules for Regeneration of Vascularized Bone Tissue. <i>Advanced Healthcare Materials</i> , 2015, 4, 1982-1992.	7.6	88
3	Sustained Delivery of VEGF Maintains Innervation and Promotes Reperfusion in Ischemic Skeletal Muscles Via NGF/GDNF Signaling. <i>Molecular Therapy</i> , 2014, 22, 1243-1253.	8.2	77
4	Converting Waste Papers to Fluorescent Carbon Dots in the Recycling Process without Loss of Ionic Liquids and Bioimaging Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4510-4515.	6.7	75
5	Label-free bacterial detection using polydiacetylene liposomes. <i>Chemical Communications</i> , 2016, 52, 10346-10349.	4.1	46
6	Polydiacetylene (PDA) Liposome-Based Immunosensor for the Detection of Exosomes. <i>Biomacromolecules</i> , 2019, 20, 3392-3398.	5.4	45
7	Bone regeneration via novel macroporous CPC scaffolds in critical-sized cranial defects in rats. <i>Dental Materials</i> , 2014, 30, e199-e207.	3.5	41
8	Use of gasotransmitters for the controlled release of polymer-based nitric oxide carriers in medical applications. <i>Journal of Controlled Release</i> , 2018, 279, 157-170.	9.9	39
9	Promotion of Vascular Morphogenesis of Endothelial Cells Co-Cultured with Human Adipose-Derived Mesenchymal Stem Cells Using Polycaprolactone/Gelatin Nanofibrous Scaffolds. <i>Nanomaterials</i> , 2018, 8, 117.	4.1	38
10	Microphysiological systems for recapitulating physiology and function of blood-brain barrier. <i>Biomaterials</i> , 2020, 232, 119732.	11.4	34
11	Inducing angiogenesis with the controlled release of nitric oxide from biodegradable and biocompatible copolymeric nanoparticles. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6517-6530.	6.7	32
12	Development of a regenerative porous PLCL nerve guidance conduit with swellable hydrogel-based microgrooved surface pattern via 3D printing. <i>Acta Biomaterialia</i> , 2022, 141, 219-232.	8.3	31
13	Triculture Model of In Vitro BBB and its Application to Study BBB-Associated Chemosensitivity and Drug Delivery in Glioblastoma. <i>Advanced Functional Materials</i> , 2022, 32, 2106860.	14.9	27
14	Study on chemotaxis and chemokinesis of bone marrow-derived mesenchymal stem cells in hydrogel-based 3D microfluidic devices. <i>Biomaterials Research</i> , 2016, 20, 25.	6.9	24
15	The three dimensional cues-integrated-biomaterial potentiates differentiation of human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2018, 202, 488-496.	10.2	23
16	Enhanced Regeneration of Vascularized Adipose Tissue with Dual 3D-Printed Elastic Polymer/dECM Hydrogel Complex. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2886.	4.1	22
17	An engineered neurovascular unit for modeling neuroinflammation. <i>Biofabrication</i> , 2021, 13, 035039.	7.1	18
18	Structures and strategies for enhanced sensitivity of polydiacetylene(PDA) based biosensor platforms. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113120.	10.1	18

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19	Cardiovascular tissue regeneration system based on multiscale scaffolds comprising double-layered hydrogels and fibers. <i>Scientific Reports</i> , 2020, 10, 20321.	3.3	17
20	Enhanced NO-induced angiogenesis via NO/H ₂ S co-delivery from self-assembled nanoparticles. <i>Biomaterials Science</i> , 2021, 9, 5150-5159.	5.4	17
21	Multifunctional Harnessed Afterglow Nanosensor for Molecular Imaging of Acute Kidney Injury In Vivo. <i>Small</i> , 2022, 18, e2200245.	10.0	17
22	Polydiacetylene Liposome Microarray toward Facile Measurement of Platelet Activation in Whole Blood. <i>ACS Sensors</i> , 2021, 6, 3170-3175.	7.8	14
23	Integration of a fiber-based cell culture and biosensing system for monitoring of multiple protein markers secreted from stem cells. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113531.	10.1	13
24	Promotion of angiogenesis toward transplanted ovaries using nitric oxide releasing nanoparticles in fibrin hydrogel. <i>Biofabrication</i> , 2022, 14, 011001.	7.1	10
25	Multi-target polydiacetylene liposome-based biosensor for improved exosome detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131286.	7.8	10
26	Bio-plotted hydrogel scaffold with core and sheath strand-enhancing mechanical and biological properties for tissue regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111919.	5.0	9
27	Injectable thermoresponsive hydrogel/nanofiber hybrid scaffolds inducing human adipose-derived stem cell chemotaxis. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 82, 89-97.	5.8	8
28	pH-Sensitive Folic Acid Conjugated Alginate Nanoparticle for Induction of Cancer-Specific Fluorescence Imaging. <i>Pharmaceutics</i> , 2020, 12, 537.	4.5	6
29	On-Demand Local Immunomodulation via Epigenetic Control of Macrophages Using an Inflammation-Responsive Hydrogel for Accelerated Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4931-4945.	8.0	6
30	Effects of microenvironmental factors on assessing nanoparticle toxicity. <i>Environmental Science: Nano</i> , 2022, 9, 454-476.	4.3	5
31	Cancer Selective Turn-On Fluorescence Imaging Using a Biopolymeric Nanocarrier. <i>Biomacromolecules</i> , 2019, 20, 1068-1076.	5.4	4
32	Amplifying the Sensitivity of Polydiacetylene Sensors: The Dummy Molecule Approach. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14561-14567.	8.0	3
33	Development of Glycerol-Rose Bengal-Polidocanol (GRP) foam for enhanced sclerosis of a cyst for cystic diseases. <i>PLoS ONE</i> , 2021, 16, e0244635.	2.5	2
34	Ovarian Tissue-Based Hormone Replacement Therapy Recovers Menopause-Related Signs in Mice. <i>Yonsei Medical Journal</i> , 2022, 63, 648.	2.2	2
35	Chemotaxis of Mesenchymal Stem Cells in a Microfluidic Device. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1498, 67-72.	0.1	0
36	Triculture Model of In Vitro BBB and its Application to Study BBB-Associated Chemosensitivity and Drug Delivery in Glioblastoma (<i>Adv. Funct. Mater.</i> 10/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0