

Youngmee Jung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

1,603
citations

23
h-index

38
g-index

60
ext. papers

1,893
ext. citations

7.4
avg, IF

5
L-index

#	Paper	IF	Citations
56	Enhanced Regeneration of Vascularized Adipose Tissue with Dual 3D-Printed Elastic Polymer/dECM Hydrogel Complex. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
55	3D Printed Porous Methacrylate/Silica Hybrid Scaffold for Bone Substitution. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100117	10.1	4
54	Stereocomplex Polylactide for Drug Delivery and Biomedical Applications: A Review. <i>Molecules</i> , 2021 , 26,	4.8	6
53	Use of Elastic, Porous, and Ultrathin Co-Culture Membranes to Control the Endothelial Barrier Function via Cell Alignment. <i>Advanced Functional Materials</i> , 2021 , 31, 2008172	15.6	6
52	Substance P/Heparin-Conjugated PLCL Mitigate Acute Gliosis on Neural Implants and Improve Neuronal Regeneration via Recruitment of Neural Stem Cells. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100107	10.1	5
51	Three-Dimensional Vascularized Lung Cancer-on-a-Chip with Lung Extracellular Matrix Hydrogels for In Vitro Screening. <i>Cancers</i> , 2021 , 13,	6.6	8
50	Detection of Lysyl Oxidase Activity in Tumor Extracellular Matrix Using Peptide-Functionalized Gold Nanoprobes. <i>Cancers</i> , 2021 , 13,	6.6	1
49	Strategy for Stereocomplexation of Polylactide Using O/W Emulsion Blending and Applications as Composite Fillers, Drug Carriers, and Self-Nucleating Agents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8752-8761	8.3	4
48	Strategy for Securing Key Patents in the Field of Biomaterials. <i>Macromolecular Research</i> , 2020 , 28, 87-98	1.9	3
47	Combinatorial Inhibition of Cell Surface Receptors Using Dual Aptamer-Functionalized Nanoconstructs for Cancer Treatment. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
46	Evolutionarily conserved sequence motif analysis guides development of chemically defined hydrogels for therapeutic vascularization. <i>Science Advances</i> , 2020 , 6, eaaz5894	14.3	8
45	Augmented peripheral nerve regeneration through elastic nerve guidance conduits prepared using a porous PLCL membrane with a 3D printed collagen hydrogel. <i>Biomaterials Science</i> , 2020 , 8, 6261-6271	7.4	19
44	Creation of polylactide vascular scaffolds with high compressive strength using a novel melt-tube drawing method. <i>Polymer</i> , 2019 , 166, 130-137	3.9	11
43	Extracellular pH modulating injectable gel for enhancing immune checkpoint inhibitor therapy. <i>Journal of Controlled Release</i> , 2019 , 315, 65-75	11.7	11
42	The effect of Substance P/Heparin conjugated PLCL polymer coating of bioinert ePTFE vascular grafts on the recruitment of both ECs and SMCs for accelerated regeneration. <i>Scientific Reports</i> , 2019 , 9, 17083	4.9	9
41	Non-swellable, cytocompatible pHEMA-alginate hydrogels with high stiffness and toughness. <i>Materials Science and Engineering C</i> , 2019 , 95, 86-94	8.3	17
40	Skin Regeneration with Self-Assembled Peptide Hydrogels Conjugated with Substance P in a Diabetic Rat Model. <i>Tissue Engineering - Part A</i> , 2018 , 24, 21-33	3.9	23

39	Nanofibrous Electrospun Heart Decellularized Extracellular Matrix-Based Hybrid Scaffold as Wound Dressing for Reducing Scarring in Wound Healing. <i>Tissue Engineering - Part A</i> , 2018 , 24, 830-848	3.9	26
38	In Situ Homologous Polymerization of L-Lactide Having a Stereocomplex Crystal. <i>Macromolecules</i> , 2018 , 51, 6303-6311	5.5	12
37	On-Demand Drug Release from Gold Nanoturf for a Thermo- and Chemotherapeutic Esophageal Stent. <i>ACS Nano</i> , 2018 , 12, 6756-6766	16.7	26
36	Development and characterization of various osteoarthritis models for tissue engineering. <i>PLoS ONE</i> , 2018 , 13, e0194288	3.7	35
35	Decellularized heart ECM hydrogel using supercritical carbon dioxide for improved angiogenesis. <i>Acta Biomaterialia</i> , 2018 , 67, 270-281	10.8	78
34	Supercritical fluid technology parameters affecting size and behavior of stereocomplex polylactide particles and their composites. <i>Polymer Engineering and Science</i> , 2018 , 58, 1193-1200	2.3	9
33	Skin Regeneration with a Scaffold of Predefined Shape and Bioactive Peptide Hydrogels. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1518-1530	3.9	21
32	Effect of platelet-rich plasma with self-assembled peptide on the rotator cuff tear model in rat. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 77-85	4.4	11
31	Biodegradable vascular stents with high tensile and compressive strength: a novel strategy for applying monofilaments via solid-state drawing and shaped-annealing processes. <i>Biomaterials Science</i> , 2017 , 5, 422-431	7.4	20
30	Substance P/dexamethasone-encapsulated PLGA scaffold fabricated using supercritical fluid process for calvarial bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 3469-3480	4.4	13
29	Current status and future direction of biodegradable metallic and polymeric vascular scaffolds for next-generation stents. <i>Acta Biomaterialia</i> , 2017 , 60, 3-22	10.8	86
28	Enhanced Cartilaginous Tissue Formation with a Cell Aggregate-Fibrin-Polymer Scaffold Complex. <i>Polymers</i> , 2017 , 9,	4.5	11
27	Therapeutic effects of neuropeptide substance P coupled with self-assembled peptide nanofibers on the progression of osteoarthritis in a rat model. <i>Biomaterials</i> , 2016 , 74, 119-30	15.6	46
26	Poly(L-lactic acid) scaffold with oriented micro-valley surface and superior properties fabricated by solid-state drawing for blood-contact biomaterials. <i>Biofabrication</i> , 2016 , 8, 045010	10.5	22
25	The effects of nanotopography and coculture systems to promote angiogenesis for wound repair. <i>Nanomedicine</i> , 2016 , 11, 2997-3007	5.6	3
24	Covalent immobilization of stem cell inducing/recruiting factor and heparin on cell-free small-diameter vascular graft for accelerated in situ tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1352-71	5.4	30
23	Combined Treatment with Systemic and Local Delivery of Substance P Coupled with Self-Assembled Peptides for a Hind Limb Ischemia Model. <i>Tissue Engineering - Part A</i> , 2016 , 22, 545-55	3.9	13
22	Current status of three-dimensional printing inks for soft tissue regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 636-646	4.5	56

21	Nanografted Substrata and Triculture of Human Pericytes, Fibroblasts, and Endothelial Cells for Studying the Effects on Angiogenesis. <i>Tissue Engineering - Part A</i> , 2016 , 22, 698-706	3.9	18
20	Novel Strategy of Lactide Polymerization Leading to Stereocomplex Polylactide Nanoparticles Using Supercritical Fluid Technology. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4521-4528	8.3	12
19	TGF- β encapsulated PLCL scaffold by a supercritical CO ₂ -HFIP co-solvent system for cartilage tissue engineering. <i>Journal of Controlled Release</i> , 2015 , 206, 101-7	11.7	38
18	Mitigation of hypertrophic scar contraction via an elastomeric biodegradable scaffold. <i>Biomaterials</i> , 2015 , 43, 61-70	15.6	43
17	Self-assembling peptide nanofibers coupled with neuropeptide substance P for bone tissue engineering. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1237-46	3.9	43
16	In situ chondrogenic differentiation of bone marrow stromal cells in bioactive self-assembled peptide gels. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 91-8	3.3	18
15	Stem cell recruitment, angiogenesis, and tissue regeneration in substance P-conjugated poly(l-lactide-co- ϵ -caprolactone) nonwoven meshes. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2673-88	5.4	31
14	Preparation of lotus-leaf-like structured blood compatible poly(ϵ -caprolactone)-block-poly(L-lactic acid) copolymer film surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 114, 28-35	6	12
13	Effect of self-assembled peptide-mesenchymal stem cell complex on the progression of osteoarthritis in a rat model. <i>International Journal of Nanomedicine</i> , 2014 , 9 Suppl 1, 141-57	7.3	49
12	Mechanical properties of compliant double layered poly(L-lactide-co- ϵ -caprolactone) vascular graft. <i>Macromolecular Research</i> , 2013 , 21, 886-891	1.9	8
11	Stem cell recruitment and angiogenesis of neuropeptide substance P coupled with self-assembling peptide nanofiber in a mouse hind limb ischemia model. <i>Biomaterials</i> , 2013 , 34, 1657-68	15.6	80
10	A biocompatible tissue scaffold produced by supercritical fluid processing for cartilage tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 181-8	2.9	22
9	Elastic, double-layered poly (l-lactide-co- ϵ -caprolactone) scaffold for long-term vascular reconstruction. <i>Journal of Bioactive and Compatible Polymers</i> , 2013 , 28, 233-246	2	13
8	Three-dimensional electrospun poly(lactide-co- ϵ -caprolactone) for small-diameter vascular grafts. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1608-16	3.9	31
7	The enhancement of mature vessel formation and cardiac function in infarcted hearts using dual growth factor delivery with self-assembling peptides. <i>Biomaterials</i> , 2011 , 32, 6080-8	15.6	81
6	In situ chondrogenic differentiation of human adipose tissue-derived stem cells in a TGF- β 1 loaded fibrin-poly(lactide-caprolactone) nanoparticulate complex. <i>Biomaterials</i> , 2009 , 30, 4657-64	15.6	68
5	The effects of dynamic and three-dimensional environments on chondrogenic differentiation of bone marrow stromal cells. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 055009	3.5	28
4	Application of an elastic biodegradable poly(L-lactide-co- ϵ -caprolactone) scaffold for cartilage tissue regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 1073-85	3.5	42

3	Cartilage regeneration with highly-elastic three-dimensional scaffolds prepared from biodegradable poly(L-lactide-co-epsilon-caprolactone). <i>Biomaterials</i> , 2008 , 29, 4630-6	15.6	87
2	Mechano-active scaffold design based on microporous poly(L-lactide-co-epsilon-caprolactone) for articular cartilage tissue engineering: dependence of porosity on compression force-applied mechanical behaviors. <i>Tissue Engineering</i> , 2006 , 12, 449-58		67
1	Manufacture of elastic biodegradable PLCL scaffolds for mechano-active vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004 , 15, 645-60	3.5	144