Youngmee Jung

List of Publications by Citations

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	Manufacture of elastic biodegradable PLCL scaffolds for mechano-active vascular tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, **2004**, 15, 645-60	3.5	144
55	Cartilage regeneration with highly-elastic three-dimensional scaffolds prepared from biodegradable poly(L-lactide-co-epsilon-caprolactone). *Biomaterials*, **2008**, 29, 4630-6	15.6	87
54	Current status and future direction of biodegradable metallic and polymeric vascular scaffolds for next-generation stents. *Acta Biomaterialia*, **2017**, 60, 3-22	10.8	86
53	The enhancement of mature vessel formation and cardiac function in infarcted hearts using dual growth factor delivery with self-assembling peptides. *Biomaterials*, **2011**, 32, 6080-8	15.6	81
52	Stem cell recruitment and angiogenesis of neuropeptide substance P coupled with self-assembling peptide nanofiber in a mouse hind limb ischemia model. *Biomaterials*, **2013**, 34, 1657-68	15.6	80
51	Decellularized heart ECM hydrogel using supercritical carbon dioxide for improved angiogenesis. *Acta Biomaterialia*, **2018**, 67, 270-281	10.8	78
50	In situ chondrogenic differentiation of human adipose tissue-derived stem cells in a TGF-beta1 loaded fibrin-poly(lactide-caprolactone) nanoparticulate complex. *Biomaterials*, **2009**, 30, 4657-64	15.6	68
49	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. *Tissue Engineering*, **2006**, 12, 449-58		67
48	Current status of three-dimensional printing inks for soft tissue regeneration. *Tissue Engineering and Regenerative Medicine*, **2016**, 13, 636-646	4.5	56
47	Effect of self-assembled peptide-mesenchymal stem cell complex on the progression of osteoarthritis in a rat model. *International Journal of Nanomedicine*, **2014**, 9 Suppl 1, 141-57	7.3	49
46	Therapeutic effects of neuropeptide substance P coupled with self-assembled peptide nanofibers on the progression of osteoarthritis in a rat model. *Biomaterials*, **2016**, 74, 119-30	15.6	46
45	Mitigation of hypertrophic scar contraction via an elastomeric biodegradable scaffold. *Biomaterials*, **2015**, 43, 61-70	15.6	43
44	Self-assembling peptide nanofibers coupled with neuropeptide substance P for bone tissue engineering. *Tissue Engineering - Part A*, **2015**, 21, 1237-46	3.9	43
43	Application of an elastic biodegradable poly(L-lactide-co-epsilon-caprolactone) scaffold for cartilage tissue regeneration. *Journal of Biomaterials Science, Polymer Edition*, **2008**, 19, 1073-85	3.5	42
42	TGF-β encapsulated PLCL scaffold by a supercritical CO2-HFIP co-solvent system for cartilage tissue engineering. *Journal of Controlled Release*, **2015**, 206, 101-7	11.7	38
41	Development and characterization of various osteoarthritis models for tissue engineering. *PLoS ONE*, **2018**, 13, e0194288	3.7	35
40	Stem cell recruitment, angiogenesis, and tissue regeneration in substance P-conjugated poly(l-lactide-co-e-caprolactone) nonwoven meshes. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 2673-88	5.4	31

39	Three-dimensional electrospun poly(lactide-co-e-caprolactone) for small-diameter vascular grafts. *Tissue Engineering - Part A*, **2012**, 18, 1608-16	3.9	31
38	Covalent immobilization of stem cell inducing/recruiting factor and heparin on cell-free small-diameter vascular graft for accelerated in situ tissue regeneration. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 1352-71	5.4	30
37	The effects of dynamic and three-dimensional environments on chondrogenic differentiation of bone marrow stromal cells. *Biomedical Materials (Bristol)*, **2009**, 4, 055009	3.5	28
36	Nanofibrous Electrospun Heart Decellularized Extracellular Matrix-Based Hybrid Scaffold as Wound Dressing for Reducing Scarring in Wound Healing. *Tissue Engineering - Part A*, **2018**, 24, 830-848	3.9	26
35	On-Demand Drug Release from Gold Nanoturf for a Thermo- and Chemotherapeutic Esophageal Stent. *ACS Nano*, **2018**, 12, 6756-6766	16.7	26
34	Skin Regeneration with Self-Assembled Peptide Hydrogels Conjugated with Substance P in a Diabetic Rat Model. *Tissue Engineering - Part A*, **2018**, 24, 21-33	3.9	23
33	Poly(L-lactic acid) scaffold with oriented micro-valley surface and superior properties fabricated by solid-state drawing for blood-contact biomaterials. *Biofabrication*, **2016**, 8, 045010	10.5	22
32	A biocompatible tissue scaffold produced by supercritical fluid processing for cartilage tissue engineering. *Tissue Engineering - Part C: Methods*, **2013**, 19, 181-8	2.9	22
31	Skin Regeneration with a Scaffold of Predefined Shape and Bioactive Peptide Hydrogels. *Tissue Engineering - Part A*, **2018**, 24, 1518-1530	3.9	21
30	Biodegradable vascular stents with high tensile and compressive strength: a novel strategy for applying monofilaments via solid-state drawing and shaped-annealing processes. *Biomaterials Science*, **2017**, 5, 422-431	7.4	20
29	Augmented peripheral nerve regeneration through elastic nerve guidance conduits prepared using a porous PLCL membrane with a 3D printed collagen hydrogel. *Biomaterials Science*, **2020**, 8, 6261-6271	7.4	19
28	In situ chondrogenic differentiation of bone marrow stromal cells in bioactive self-assembled peptide gels. *Journal of Bioscience and Bioengineering*, **2015**, 120, 91-8	3.3	18
27	Nanografted Substrata and Triculture of Human Pericytes, Fibroblasts, and Endothelial Cells for Studying the Effects on Angiogenesis. *Tissue Engineering - Part A*, **2016**, 22, 698-706	3.9	18
26	Non-swellable, cytocompatible pHEMA-alginate hydrogels with high stiffness and toughness. *Materials Science and Engineering C*, **2019**, 95, 86-94	8.3	17
25	Substance P/dexamethasone-encapsulated PLGA scaffold fabricated using supercritical fluid process for calvarial bone regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 3469-3480	4.4	13
24	Combined Treatment with Systemic and Local Delivery of Substance P Coupled with Self-Assembled Peptides for a Hind Limb Ischemia Model. *Tissue Engineering - Part A*, **2016**, 22, 545-55	3.9	13
23	Elastic, double-layered poly (l-lactide-co-?-caprolactone) scaffold for long-term vascular reconstruction. *Journal of Bioactive and Compatible Polymers*, **2013**, 28, 233-246	2	13
22	In Situ Homologous Polymerization of l-Lactide Having a Stereocomplex Crystal. *Macromolecules*, **2018**, 51, 6303-6311	5.5	12

21	Preparation of lotus-leaf-like structured blood compatible poly(ε-caprolactone)-block-poly(L-lactic acid) copolymer film surfaces. *Colloids and Surfaces B: Biointerfaces*, **2014**, 114, 28-35	6	12
20	Novel Strategy of Lactide Polymerization Leading to Stereocomplex Polylactide Nanoparticles Using Supercritical Fluid Technology. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4521-4528	8.3	12
19	Effect of platelet-rich plasma with self-assembled peptide on the rotator cuff tear model in rat. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 77-85	4.4	11
18	Creation of polylactide vascular scaffolds with high compressive strength using a novel melt-tube drawing method. *Polymer*, **2019**, 166, 130-137	3.9	11
17	Extracellular pH modulating injectable gel for enhancing immune checkpoint inhibitor therapy. *Journal of Controlled Release*, **2019**, 315, 65-75	11.7	11
16	Enhanced Cartilaginous Tissue Formation with a Cell Aggregate-Fibrin-Polymer Scaffold Complex. *Polymers*, **2017**, 9,	4.5	11
15	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. *Scientific Reports*, **2019**, 9, 17083	4.9	9
14	Supercritical fluid technology parameters affecting size and behavior of stereocomplex polylactide particles and their composites. *Polymer Engineering and Science*, **2018**, 58, 1193-1200	2.3	9
13	Mechanical properties of compliant double layered poly(L-lactide-co-e-caprolactone) vascular graft. *Macromolecular Research*, **2013**, 21, 886-891	1.9	8
12	Evolutionarily conserved sequence motif analysis guides development of chemically defined hydrogels for therapeutic vascularization. *Science Advances*, **2020**, 6, eaaz5894	14.3	8
11	Three-Dimensional Vascularized Lung Cancer-on-a-Chip with Lung Extracellular Matrix Hydrogels for In Vitro Screening. *Cancers*, **2021**, 13,	6.6	8
10	Enhanced Regeneration of Vascularized Adipose Tissue with Dual 3D-Printed Elastic Polymer/dECM Hydrogel Complex. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
9	Stereocomplex Polylactide for Drug Delivery and Biomedical Applications: A Review. *Molecules*, **2021**, 26,	4.8	6
8	Use of Elastic, Porous, and Ultrathin Co-Culture Membranes to Control the Endothelial Barrier Function via Cell Alignment. *Advanced Functional Materials*, **2021**, 31, 2008172	15.6	6
7	Substance P/Heparin-Conjugated PLCL Mitigate Acute Gliosis on Neural Implants and Improve Neuronal Regeneration via Recruitment of Neural Stem Cells. *Advanced Healthcare Materials*, **2021**, 10, e2100107	10.1	5
6	Strategy for Stereocomplexation of Polylactide Using O/W Emulsion Blending and Applications as Composite Fillers, Drug Carriers, and Self-Nucleating Agents. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8752-8761	8.3	4
5	3D Printed Porous Methacrylate/Silica Hybrid Scaffold for Bone Substitution. *Advanced Healthcare Materials*, **2021**, 10, e2100117	10.1	4
4	The effects of nanotopography and coculture systems to promote angiogenesis for wound repair. *Nanomedicine*, **2016**, 11, 2997-3007	5.6	3

3	Strategy for Securing Key Patents in the Field of Biomaterials. *Macromolecular Research*, **2020**, 28, 87-981.9		3
2	Combinatorial Inhibition of Cell Surface Receptors Using Dual Aptamer-Functionalized Nanoconstructs for Cancer Treatment. *Pharmaceutics*, **2020**, 12,	6.4	1
1	Detection of Lysyl Oxidase Activity in Tumor Extracellular Matrix Using Peptide-Functionalized Gold Nanoprobes. *Cancers*, **2021**, 13,	6.6	1