

Soo Hyun Kim

List of Publications by Year in descending order

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179
papers

6,542
citations

66343

42
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85541

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181
all docs

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docs citations

181
times ranked

7752
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo biocompatibility and degradation behavior of elastic poly(l-lactide-co- ϵ -caprolactone) scaffolds. <i>Biomaterials</i> , 2004, 25, 5939-5946.	11.4	230
2	Mechano-active tissue engineering of vascular smooth muscle using pulsatile perfusion bioreactors and elastic PLCL scaffolds. <i>Biomaterials</i> , 2005, 26, 1405-1411.	11.4	203
3	Biodegradable polymer blends of poly(L-lactic acid) and gelatinized starch. <i>Polymer Engineering and Science</i> , 2000, 40, 2539-2550.	3.1	193
4	The effect of gelatin incorporation into electrospun poly(l-lactide-co- ϵ -caprolactone) fibers on mechanical properties and cytocompatibility. <i>Biomaterials</i> , 2008, 29, 1872-1879.	11.4	177
5	Manufacture of elastic biodegradable PLCL scaffolds for mechano-active vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 645-660.	3.5	161
6	Morphology of Elastic Poly(l-lactide-co- ϵ -caprolactone) Copolymers and in Vitro and in Vivo Degradation Behavior of Their Scaffolds. <i>Biomacromolecules</i> , 2004, 5, 1303-1309.	5.4	161
7	Elastic biodegradable poly(glycolide-co-caprolactone) scaffold for tissue engineering. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 66A, 29-37.	3.1	160
8	Synthesis and Characterization of Poly(l-lactide)- α -Poly(ϵ -caprolactone) Multiblock Copolymers. <i>Macromolecules</i> , 2003, 36, 5585-5592.	4.8	160
9	Bioresorbable elastomeric vascular tissue engineering scaffolds via melt spinning and electrospinning. <i>Acta Biomaterialia</i> , 2010, 6, 1958-1967.	8.3	139
10	Immobilization of poly(ethylene glycol) or its sulfonate onto polymer surfaces by ozone oxidation. <i>Biomaterials</i> , 2001, 22, 2115-2123.	11.4	132
11	Stereocomplex Formation of High-Molecular-Weight Polylactide Using Supercritical Fluid. <i>Macromolecules</i> , 2010, 43, 1137-1142.	4.8	129
12	A poly(lactic acid)/calcium metaphosphate composite for bone tissue engineering. <i>Biomaterials</i> , 2005, 26, 6314-6322.	11.4	125
13	Current status and future direction of biodegradable metallic and polymeric vascular scaffolds for next-generation stents. <i>Acta Biomaterialia</i> , 2017, 60, 3-22.	8.3	120
14	Decellularized heart ECM hydrogel using supercritical carbon dioxide for improved angiogenesis. <i>Acta Biomaterialia</i> , 2018, 67, 270-281.	8.3	113
15	A novel tissue-engineered trachea with a mechanical behavior similar to native trachea. <i>Biomaterials</i> , 2015, 62, 106-115.	11.4	110
16	Regeneration of chronic myocardial infarction by injectable hydrogels containing stem cell homing factor SDF-1 and angiogenic peptide Ac-SDKP. <i>Biomaterials</i> , 2014, 35, 2436-2445.	11.4	107
17	Cartilage regeneration with highly-elastic three-dimensional scaffolds prepared from biodegradable poly(l-lactide-co- ϵ -caprolactone). <i>Biomaterials</i> , 2008, 29, 4630-4636.	11.4	102
18	Insight on stem cell preconditioning and instructive biomaterials to enhance cell adhesion, retention, and engraftment for tissue repair. <i>Biomaterials</i> , 2016, 90, 85-115.	11.4	94

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19	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, 6080-6088.	11.4	93
20	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, 1657-1668.	11.4	92
21	Vascular patches tissue-engineered with autologous bone marrow-derived cells and decellularized tissue matrices. <i>Biomaterials</i> , 2005, 26, 1915-1924.	11.4	85
22	Thermally Produced Biodegradable Scaffolds for Cartilage Tissue Engineering. <i>Macromolecular Bioscience</i> , 2004, 4, 802-810.	4.1	76
23	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, 4657-4664.	11.4	76
24	Effect of scaffold microarchitecture on osteogenic differentiation of human mesenchymal stem cells. , 2013, 25, 114-129.		76
25	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.	6.7	74
26	Mechano-Active Scaffold Design Based on Microporous Poly(L-lactide-co- μ -caprolactone) for Articular Cartilage Tissue Engineering: Dependence of Porosity on Compression Force-Applied Mechanical Behaviors. <i>Tissue Engineering</i> , 2006, 12, 449-458.	4.6	72
27	Enhanced regeneration of the ligament–bone interface using a poly(l-lactide–co- μ -caprolactone) scaffold with local delivery of cells/BMP-2 using a heparin-based hydrogel. <i>Acta Biomaterialia</i> , 2011, 7, 244-257.	8.3	70
28	Integrating Organs-on-Chips: Multiplexing, Scaling, Vascularization, and Innervation. <i>Trends in Biotechnology</i> , 2020, 38, 99-112.	9.3	69
29	Stereocomplexation of Poly(l-lactide) and Random Copolymer Poly(l-lactide-co- μ -caprolactone) To Enhance Melt Stability. <i>Macromolecules</i> , 2012, 45, 4012-4014.	4.8	66
30	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, 119-130.	11.4	65
31	Decellularized brain matrix enhances macrophage polarization and functional improvements in rat spinal cord injury. <i>Acta Biomaterialia</i> , 2020, 101, 357-371.	8.3	64
32	In vivo conjunctival reconstruction using modified PLGA grafts for decreased scar formation and contraction. <i>Biomaterials</i> , 2003, 24, 5049-5059.	11.4	63
33	The correlation between human adipose-derived stem cells differentiation and cell adhesion mechanism. <i>Biomaterials</i> , 2009, 30, 6835-6843.	11.4	57
34	Regeneration of Achilles' Tendon: The Role of Dynamic Stimulation for Enhanced Cell Proliferation and Mechanical Properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1173-1190.	3.5	53
35	In Situ Recruitment of Human Bone Marrow-Derived Mesenchymal Stem Cells Using Chemokines for Articular Cartilage Regeneration. <i>Cell Transplantation</i> , 2015, 24, 1067-1083.	2.5	52
36	TGF- β 3 encapsulated PLCL scaffold by a supercritical CO ₂ –HFIP co-solvent system for cartilage tissue engineering. <i>Journal of Controlled Release</i> , 2015, 206, 101-107.	9.9	52

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37	UV-curing kinetics and performance development of in situ curable 3D printing materials. <i>European Polymer Journal</i> , 2017, 93, 140-147.	5.4	51
38	Self-Assembling Peptide Nanofibers Coupled with Neuropeptide Substance P for Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2015, 21, 1237-1246.	3.1	50
39	Platelet and bacterial repellence on sulfonated poly(ethylene glycol)-acrylate copolymer surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 355-370.	5.0	48
40	Application of an elastic biodegradable poly(L-lactide-co- μ -caprolactone) scaffold for cartilage tissue regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 1073-1085.	3.5	48
41	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.	5.4	48
42	Effect of poly(ethylene glycol) graft polymerization of poly(methyl methacrylate) on cell adhesion. <i>Journal of Cataract and Refractive Surgery</i> , 2001, 27, 766-774.	1.5	47
43	Microstructure analysis and thermal property of copolymers made of glycolide and ϵ -caprolactone by stannous octoate. <i>Journal of Polymer Science Part A</i> , 2002, 40, 544-554.	2.3	47
44	Fabrication of a new tubular fibrous PLCL scaffold for vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 1359-1374.	3.5	46
45	Three-Dimensional Electrospun Poly(Lactide-Co- ϵ -Caprolactone) for Small-Diameter Vascular Grafts. <i>Tissue Engineering - Part A</i> , 2012, 18, 1608-1616.	3.1	43
46	Electrically controllable twisted-coiled artificial muscle actuators using surface-modified polyester fibers. <i>Smart Materials and Structures</i> , 2017, 26, 035048.	3.5	43
47	Smooth muscle-like tissues engineered with bone marrow stromal cells. <i>Biomaterials</i> , 2004, 25, 2979-2986.	11.4	42
48	Cartilaginous tissue formation using a mechano-active scaffold and dynamic compressive stimulation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 61-74.	3.5	40
49	Nanofibrous scaffolds electrospun from elastomeric biodegradable poly(L-lactide-co- μ -caprolactone) copolymer. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 015019.	3.3	39
50	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.	3.1	39
51	Networked concave microwell arrays for constructing 3D cell spheroids. <i>Biofabrication</i> , 2018, 10, 015001.	7.1	37
52	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, 2673-2688.	4.0	36
53	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.	5.4	36
54	Therapeutic angiogenesis of three-dimensionally cultured adipose-derived stem cells in rat infarcted hearts. <i>Cytotherapy</i> , 2013, 15, 542-556.	0.7	35

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55	Covalent immobilization of stem cell inducing/recruiting factor and heparin on cell-free small-diameter vascular graft for accelerated <i>in situ</i> tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1352-1371.	4.0	35
56	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.	3.1	35
57	In Situ Blood Vessel Regeneration Using SP (Substance P) and SDF (Stromal Cell-Derived Factor)-1± Peptide Eluting Vascular Grafts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, e117-e134.	2.4	34
58	Expandable and implantable bioelectronic complex for analyzing and regulating real-time activity of the urinary bladder. <i>Science Advances</i> , 2020, 6, .	10.3	34
59	Direct condensation polymerization of lactic acid. <i>Macromolecular Symposia</i> , 1999, 144, 277-287.	0.7	33
60	The effects of dynamic and three-dimensional environments on chondrogenic differentiation of bone marrow stromal cells. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 055009.	3.3	33
61	Improved calcification resistance and biocompatibility of tissue patch grafted with sulfonated PEO or heparin after glutaraldehyde fixation. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 58, 27-35.	3.1	32
62	Rapid stereocomplex formation of polylactide using supercritical fluid technology. <i>Polymer International</i> , 2012, 61, 939-942.	3.1	32
63	Adhesion and differentiation of adipose-derived stem cells on a substrate with immobilized fibroblast growth factor. <i>Acta Biomaterialia</i> , 2012, 8, 1759-1767.	8.3	31
64	SDF-1± peptide tethered polyester facilitates tissue repair by endogenous cell mobilization and recruitment. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2670-2684.	4.0	31
65	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
66	Fluctuation conductivity of single-crystalline BaFe _{1.8} Co _{0.2} As ₂ in the critical region. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	30
67	A Biocompatible Tissue Scaffold Produced by Supercritical Fluid Processing for Cartilage Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 181-188.	2.1	30
68	Synergistic Action of IL-8 and Bone Marrow Concentrate on Cartilage Regeneration Through Upregulation of Chondrogenic Transcription Factors. <i>Tissue Engineering - Part A</i> , 2016, 22, 363-374.	3.1	30
69	Three-Dimensional Vascularized Lung Cancer-on-a-Chip with Lung Extracellular Matrix Hydrogels for In Vitro Screening. <i>Cancers</i> , 2021, 13, 3930.	3.7	30
70	A Collagen/Smooth Muscle Cell-Incorporated Elastic Scaffold for Tissue-Engineered Vascular Grafts. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1645-1660.	3.5	29
71	Stereocomplex Polylactide for Drug Delivery and Biomedical Applications: A Review. <i>Molecules</i> , 2021, 26, 2846.	3.8	29
72	Lotus-leaf-like structured heparin-conjugated poly(L-lactide-co-ε-caprolactone) as a blood compatible material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 463-467.	5.0	28

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73	Melt stability of 8-arms star-shaped stereocomplex polylactide with three-dimensional core structures. <i>Polymer Degradation and Stability</i> , 2013, 98, 1097-1101.	5.8	28
74	Endothelial Differentiation and Vasculogenesis Induced by Three-Dimensional Adipose-Derived Stem Cells. <i>Anatomical Record</i> , 2013, 296, 168-177.	1.4	28
75	Bio-based composite of stereocomplex polylactide and cellulose nanowhiskers. <i>Polymer Degradation and Stability</i> , 2014, 109, 430-435.	5.8	28
76	Development of an Anisotropically Organized Brain dECM Hydrogel-Based 3D Neuronal Culture Platform for Recapitulating the Brain Microenvironment in Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 610-620.	5.2	27
77	Synthesis and degradation behaviors of PEO/PL/PEO tri-block copolymers. <i>Macromolecular Research</i> , 2002, 10, 85-90.	2.4	26
78	Kinetic and Mechanistic Studies of L-Lactide Polymerization in Supercritical Chlorodifluoromethane. <i>Macromolecules</i> , 2003, 36, 8923-8930.	4.8	26
79	In situ chondrogenic differentiation of bone marrow stromal cells in bioactive self-assembled peptide gels. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 91-98.	2.2	26
80	Extracellular pH modulating injectable gel for enhancing immune checkpoint inhibitor therapy. <i>Journal of Controlled Release</i> , 2019, 315, 65-75.	9.9	26
81	The Effect of Hybridization of Hydrogels and Poly(L-lactide-co- ϵ -caprolactone) Scaffolds on Cartilage Tissue Engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 581-592.	3.5	25
82	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.	7.1	25
83	Skin Regeneration with a Scaffold of Predefined Shape and Bioactive Peptide Hydrogels. <i>Tissue Engineering - Part A</i> , 2018, 24, 1518-1530.	3.1	25
84	Improved blood compatibility and decreased VSMC proliferation of surface-modified metal grafted with sulfonated PEG or heparin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 939-952.	3.5	24
85	Articular cartilage tissue engineering based on a mechano-active scaffold made of poly(L-lactide-co- ϵ -caprolactone): <i>In vivo</i> performance in adult rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 94B, 80-88.	3.4	24
86	Effects of Pulsatile Bioreactor Culture on Vascular Smooth Muscle Cells Seeded on Electrospun Poly(lactide-co- ϵ -caprolactone) Scaffold. <i>Artificial Organs</i> , 2013, 37, E168-78.	1.9	23
87	Small diameter double layer tubular scaffolds using highly elastic PLCL copolymer for vascular tissue engineering. <i>Macromolecular Research</i> , 2011, 19, 122-129.	2.4	22
88	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.	2.7	22
89	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
90	Improvement of Flexural Strengths of Poly(L-lactic acid) by Solid-State Extrusion, 2Extrusion Through Rectangular Die. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 50-57.	3.6	21

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91	New Technique of Seeding Chondrocytes into Microporous Poly(L-lactide-co- β -caprolactone) Sponge by Cyclic Compression Forceâ€œInduced Suction. <i>Tissue Engineering</i> , 2006, 12, 1811-1820.	4.6	20
92	Antagonistic effect of EGF on FAK phosphorylation/dephosphorylation in a cell. <i>Cell Biochemistry and Function</i> , 2008, 26, 539-547.	2.9	20
93	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.	3.3	20
94	Strategies for Recruitment of Stem Cells to Treat Myocardial Infarction. <i>Current Pharmaceutical Design</i> , 2015, 21, 1584-1597.	1.9	20
95	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.	3.1	19
96	Characterization and preparation of bio-tubular scaffolds for fabricating artificial vascular grafts by combining electrospinning and a co-culture system. <i>Macromolecular Research</i> , 2016, 24, 131-142.	2.4	19
97	Combinatorial therapy with three-dimensionally cultured adipose-derived stromal cells and self-assembling peptides to enhance angiogenesis and preserve cardiac function in infarcted hearts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2816-2827.	2.7	19
98	In situ cardiac regeneration by using neuropeptide substance P and IGF-1C peptide eluting heart patches. <i>International Journal of Energy Production and Management</i> , 2018, 5, 303-316.	3.7	19
99	Current status and future direction of metallic and polymeric materials for advanced vascular stents. <i>Progress in Materials Science</i> , 2022, 126, 100922.	32.8	19
100	Design and characterization of a maltose binding protein-linked growth factor for matrix engineering. <i>Biotechnology Letters</i> , 2009, 31, 1677-1684.	2.2	18
101	Mechanical properties of compliant double layered poly(L-lactide-co- β -caprolactone) vascular graft. <i>Macromolecular Research</i> , 2013, 21, 886-891.	2.4	18
102	Bi-layered PLCL/(PLGA/ β -TCP) composite scaffold for osteochondral tissue engineering. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 178-187.	2.1	18
103	Small diameter vascular graft with fibroblast cells and electrospun poly(L-lactide-co- β -caprolactone) scaffolds: <i>Cell Matrix Engineering</i> . <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 942-959.	3.5	18
104	Mechanical Loading-Dependence of mRNA Expressions of Extracellular Matrices of Chondrocytes Inoculated into Elastomeric Microporous Poly(L-lactide-co- β -caprolactone) Scaffold. <i>Tissue Engineering</i> , 2007, 13, 29-40.	4.6	17
105	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.	6.7	17
106	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, 545-555.	3.1	17
107	Effect of molecular orientation on biodegradability of poly(glycolide-co- β -caprolactone). <i>Polymer Degradation and Stability</i> , 2003, 80, 223-232.	5.8	16
108	Stereocomplex-nanocomposite formation of polylactide/fluorinated-clay with superior thermal property using supercritical fluid. <i>Macromolecular Research</i> , 2012, 20, 545-548.	2.4	16

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109	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.	2.1	16
110	In Situ Homologous Polymerization of ϵ -Lactide Having a Stereocomplex Crystal. <i>Macromolecules</i> , 2018, 51, 6303-6311.	4.8	16
111	Use of Elastic, Porous, and Ultrathin Culture Membranes to Control the Endothelial Barrier Function via Cell Alignment. <i>Advanced Functional Materials</i> , 2021, 31, 2008172.	14.9	16
112	Fabrication and Medical Applications of Lotus-leaf-like Structured Superhydrophobic Surfaces. <i>Polymer</i> , 2013, 37, 411-419.	0.2	16
113	Improvement of Flexural Strengths of Poly(L-lactic acid) by Solid-State Extrusion. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2447-2453.	2.2	15
114	Biodegradable blends of stereocomplex polylactide and lignin by supercritical carbon dioxide-solvent system. <i>Macromolecular Research</i> , 2014, 22, 74-78.	2.4	15
115	Creation of polylactide vascular scaffolds with high compressive strength using a novel melt-tube drawing method. <i>Polymer</i> , 2019, 166, 130-137.	3.8	15
116	Self-assembling peptide gels promote angiogenesis and functional recovery after spinal cord injury in rats. <i>Journal of Tissue Engineering</i> , 2022, 13, 204173142210864.	5.5	15
117	Preparation of enhanced hydrophobic poly(l-lactide-co- ϵ -caprolactone) films surface and its blood compatibility. <i>Applied Surface Science</i> , 2013, 276, 586-591.	6.1	14
118	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.	2.7	14
119	A Novel Seamless Elastic Scaffold for Vascular Tissue Engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 289-302.	3.5	13
120	An Advanced Class of Bio-Hybrid Materials: Bionanocomposites of Inorganic Clays and Organic Stereocomplex Polylactides. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 263-269.	3.6	13
121	Biodegradable stereocomplex polylactide having flexible ϵ -caprolactone unit. <i>Macromolecular Research</i> , 2013, 21, 1036-1041.	2.4	13
122	Simultaneous microfluidic spinning of multiple strands of submicron fiber for the production of free-standing porous membranes for biological application. <i>Biofabrication</i> , 2017, 9, 025026.	7.1	13
123	<i>In situ</i> blood vessel regeneration using neuropeptide substance P-conjugated small-diameter vascular grafts. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1669-1683.	3.4	13
124	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.	6.7	13
125	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.	7.6	13
126	Preparation of lotus-leaf-like structured blood compatible poly(ϵ -caprolactone)-block-poly(l-lactic acid) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	5.0	12

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127	The use of microfluidic spinning fiber as an ophthalmology suture showing the good anastomotic strength control. <i>Scientific Reports</i> , 2017, 7, 16264.	3.3	12
128	Enhanced Cartilaginous Tissue Formation with a Cell Aggregate-Fibrin-Polymer Scaffold Complex. <i>Polymers</i> , 2017, 9, 348.	4.5	12
129	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.	3.1	12
130	Organâ€Level Functional 3D Tissue Constructs with Complex Compartments and their Preclinical Applications. <i>Advanced Materials</i> , 2020, 32, e2002096.	21.0	12
131	Ring-Opening Polymerization of L-Lactide and Preparation of Its Microsphere in Supercritical Fluids. <i>Macromolecular Bioscience</i> , 2004, 4, 340-345.	4.1	11
132	Fibroblast culture on poly(L-lactide-co-É-caprolactone) an electrospun nanofiber sheet. <i>Macromolecular Research</i> , 2012, 20, 1234-1242.	2.4	11
133	Bioinspired self-adhesive polymer for surface modification to improve antifouling property. <i>Journal of Coatings Technology Research</i> , 2013, 10, 811-819.	2.5	11
134	Preparation of topographically modified poly(L-lactic acid)-b-Poly(É-caprolactone)-b-poly(L-lactic acid) tri-block copolymer film surfaces and its blood compatibility. <i>Macromolecular Research</i> , 2014, 22, 1229-1237.	2.4	11
135	Bioinspired adhesive coating on PET film for antifouling surface modification. <i>Macromolecular Research</i> , 2014, 22, 203-209.	2.4	11
136	Effects of Pressure and Temperature on the Kinetics of L-Lactide Polymerization in Supercritical Chlorodifluoromethane. <i>Macromolecules</i> , 2004, 37, 3564-3568.	4.8	10
137	Synthesis of poly(D-lactide) with different molecular weight via melt-polymerization. <i>Macromolecular Research</i> , 2012, 20, 515-519.	2.4	10
138	Stem Cells Seeded on Multilayered Scaffolds Implanted into an Injured Bladder Rat Model Improves Bladder Function. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 201-212.	3.7	10
139	Synergistic Effect of Biochemical Factors and Strain on the Smooth Muscle Cell Differentiation of Adipose-Derived Stem Cells on an Elastic Nanofibrous Scaffold. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1579-1593.	3.5	9
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