Won Ho Park

List of Publications by Year in Descending Order

226 papers	13,262 citations	55 h-index	110 g-index
231 ext. papers	14,491 ext. citations	5.3 avg, IF	6.48 L-index

#	Paper	IF	Citations
226	Multifunctional and thermoresponsive methylcellulose composite hydrogels with photothermal effect. *Carbohydrate Polymers*, **2022**, 277, 118834	10.3	1
225	ZnO nanoparticle-embedded modified silk fibroin-tannin multifunctional hydrogel.. *International Journal of Biological Macromolecules*, **2022**, 210, 1-10	7.9	0
224	Stretchable and Self-Healable Poly(styrene--acrylonitrile) Elastomer with Metal-Ligand Coordination Complexes. *Langmuir*, **2021**, 37, 13998-14005	4	3
223	Mussel-inspired poly(□gl utamic acid)/nanosilicate composite hydrogels with enhanced mechanical properties, tissue adhesive properties, and skin tissue regeneration. *Acta Biomaterialia*, **2021**, 123, 254-262	10.8	11
222	Photocrosslinked poly(□glutamic acid) hydrogel for 3D bioprinting. *Reactive and Functional Polymers*, **2021**, 161, 104864	4.6	4
221	Dual-crosslinked, self-healing and thermo-responsive methylcellulose/chitosan oligomer copolymer hydrogels. *Carbohydrate Polymers*, **2021**, 258, 117705	10.3	14
220	Silk Fibroin Enhances Cytocompatibilty and Dimensional Stability of Alginate Hydrogels for Light-Based Three-Dimensional Bioprinting. *Biomacromolecules*, **2021**, 22, 1921-1931	6.9	5
219	Extended Distal Chevron Osteotomy and Akin Osteotomy Using Bioabsorbable Materials for Treatment of Moderate to Severe Hallux Valgus. *Journal of Foot and Ankle Surgery*, **2021**, 60, 1110-1116	1.6	
218	Bioinspired Self-Healable Polyallylamine-Based Hydrogels for Wet Adhesion: Synergistic Contributions of Catechol-Amino Functionalities and Nanosilicate. *ACS Applied Materials & Interfaces*, **2021**, 13, 18324-18337	9.5	15
217	Dual-crosslinked silk fibroin hydrogels with elasticity and cytocompatibility for the regeneration of articular cartilage. *Polymer*, **2021**, 224, 123739	3.9	0
216	Carbon fiber coating with MWCNT in the presence of polyethyleneimine of different molecular weights and the effect on the interfacial shear strength of thermoplastic and thermosetting carbon fiber composites. *Carbon Letters*, **2021**, 31, 407-417	2.3	3
215	Self-healable poly(□glutamic acid)/chitooligosaccharide hydrogels via ionic and □nteractions. *Materials Letters*, **2021**, 297, 129987	3.3	3
214	Self-crosslinkable hyaluronate-based hydrogels as a soft tissue filler. *International Journal of Biological Macromolecules*, **2021**, 185, 98-110	7.9	6
213	Tunicate-inspired polyallylamine-based hydrogels for wet adhesion: A comparative study of catechol- and gallol-functionalities. *Journal of Colloid and Interface Science*, **2021**, 601, 143-155	9.3	4
212	Effect of tannic acid on the mechanical and adhesive properties of catechol-modified hyaluronic acid hydrogels. *International Journal of Biological Macromolecules*, **2021**, 191, 699-705	7.9	1
211	Hyaluronic acid/tannic acid hydrogel sunscreen with excellent anti-UV, antioxidant, and cooling effects. *International Journal of Biological Macromolecules*, **2021**, 191, 918-924	7.9	4
210	The effects of chitin/chitosan nanowhiskers on the thermal, mechanical and dye adsorption properties of electrospun PVA nanofibrous membranes. *Cellulose*, **2020**, 27, 5771-5783	5.5	8

209	Polydopamine- and polyDOPA-coated electrospun poly(vinyl alcohol) nanofibrous membranes for cationic dye removal. *Polymer Testing*, **2020**, 89, 106627	4.5	3
208	Aliphatic Polyester-Based Biodegradable Microbeads for Sustainable Cosmetics. *ACS Biomaterials Science and Engineering*, **2020**, 6, 2440-2449	5.5	6
207	Dual crosslinked alginate hydrogels by riboflavin as photoinitiator. *International Journal of Biological Macromolecules*, **2020**, 154, 989-998	7.9	23
206	Dual-crosslinked methylcellulose hydrogels for 3D bioprinting applications. *Carbohydrate Polymers*, **2020**, 238, 116192	10.3	34
205	Enzymatically Cross-Linked Poly(γ-glutamic acid) Hydrogel with Enhanced Tissue Adhesive Property. *ACS Biomaterials Science and Engineering*, **2020**, 6, 3103-3113	5.5	16
204	Formation of human hair-Ag nanoparticle composites via thermal and photo-reduction: A comparison study. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 600, 124995	5.1	2
203	Coaxially fabricated polylactic acid electrospun nanofibrous scaffold for sequential release of tauroursodeoxycholic acid and bone morphogenic protein2 to stimulate angiogenesis and bone regeneration. *Chemical Engineering Journal*, **2020**, 389, 123470	14.7	21
202	Eco-friendly poly(lactic acid) microbeads for cosmetics via melt electrospraying. *International Journal of Biological Macromolecules*, **2020**, 157, 734-742	7.9	5
201	Electrospinning and dual crosslinking of water-soluble silk fibroin modified with glycidyl methacrylate. *Polymer Degradation and Stability*, **2020**, 179, 109304	4.7	9
200	3D Printing of Bone-Mimetic Scaffold Composed of Gelatin/β-Tri-Calcium Phosphate for Bone Tissue Engineering. *Macromolecular Bioscience*, **2020**, 20, e2000256	5.5	11
199	Visible-light-induced hyaluronate hydrogel for soft tissue fillers. *International Journal of Biological Macromolecules*, **2020**, 165, 2834-2844	7.9	5
198	Photo-crosslinkable elastomeric protein-derived supramolecular peptide hydrogel with controlled therapeutic CO-release. *Nanoscale*, **2019**, 11, 17327-17333	7.7	8
197	Fluorescent property of glycol chitosan-fluorescein isothiocyanate conjugate for bio-imaging material. *International Journal of Biological Macromolecules*, **2019**, 135, 1217-1221	7.9	13
196	Facile Interpretation of Catalytic Reaction between Organic Dye Pollutants and Silver Nanoparticles with Different Shapes. *Journal of Nanomaterials*, **2019**, 2019, 1-8	3.2	8
195	Shape-dependent antimicrobial activities of silver nanoparticles. *International Journal of Nanomedicine*, **2019**, 14, 2773-2780	7.3	82
194	Electrospraying of environmentally sustainable alginate microbeads for cosmetic additives. *International Journal of Biological Macromolecules*, **2019**, 133, 278-283	7.9	17
193	Robust methylcellulose hydrogels reinforced with chitin nanocrystals. *Carbohydrate Polymers*, **2019**, 213, 311-319	10.3	18
192	Preparation and Structural Investigation of Novel α-Chitin Nanocrystals from Cuttlefish Bone. *ACS Biomaterials Science and Engineering*, **2019**, 5, 1744-1752	5.5	13

191	Effect of photoinitiator on chain degradation of hyaluronic acid. *Biomaterials Research*, **2019**, 23, 21	16.8	16
190	Electron beam irradiation effect on the mechanical and thermal properties of 2-D silk fibroin fabric/poly(lactic acid) biocomposites. *Journal of Industrial and Engineering Chemistry*, **2019**, 71, 150-159	6.3	5
189	A crosslinked nonwoven separator based on an organosoluble polyimide for high-performance lithium-ion batteries. *Journal of Industrial and Engineering Chemistry*, **2019**, 72, 390-399	6.3	22
188	Electrospinning and wound healing activity of β-chitin extracted from cuttlefish bone. *Carbohydrate Polymers*, **2018**, 193, 205-211	10.3	46
187	Effect of location and ionic interaction on photocatalytic activity of silver nanoparticles stabilized with polyDOPA. *Applied Surface Science*, **2018**, 441, 546-553	6.7	2
186	Thermal fabrication and characterization of Ag nanoparticle-activated carbon composites for functional wound-dressing additives. *Journal of Alloys and Compounds*, **2018**, 735, 2670-2674	5.7	8
185	Formation and Characterization of Hollow Microtubes by Thermal Treatment of Human Hair. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6350-6357	8.3	1
184	Effect of pH and precursor salts on in situ formation of calcium phosphate nanoparticles in methylcellulose hydrogel. *Carbohydrate Polymers*, **2018**, 191, 176-182	10.3	13
183	Polyelectrolyte complex nanofibers from poly(γ-glutamic acid) and fluorescent chitosan oligomer. *International Journal of Biological Macromolecules*, **2018**, 118, 238-243	7.9	8
182	Formation of Silver Nanoparticles Using Fluorescence Properties of Chitosan Oligomers. *Marine Drugs*, **2018**, 16,	6	4
181	Injectable methylcellulose hydrogel containing silver oxide nanoparticles for burn wound healing. *Carbohydrate Polymers*, **2018**, 181, 579-586	10.3	66
180	Injectable methylcellulose hydrogel containing calcium phosphate nanoparticles for bone regeneration. *International Journal of Biological Macromolecules*, **2018**, 109, 57-64	7.9	52
179	Surface modification of PHBV nanofiber mats for rapid cell cultivation and harvesting. *Journal of Biomaterials Science, Polymer Edition*, **2018**, 29, 1026-1041	3.5	2
178	Small diameter vascular graft with fibroblast cells and electrospun poly (L-lactide-co-ε-caprolactone) scaffolds: Cell Matrix Engineering. *Journal of Biomaterials Science, Polymer Edition*, **2018**, 29, 942-959	3.5	12
177	Gas-Therapeutic Hydrogels: Supramolecular Carbon Monoxide-Releasing Peptide Hydrogel Patch (Adv. Funct. Mater. 47/2018). *Advanced Functional Materials*, **2018**, 28, 1870337	15.6	
176	Thermal Analysis on the Stabilization Behavior of Ternary Copolymers Based on Acrylonitrile, Methyl Acrylate and Itaconic Acid. *Fibers and Polymers*, **2018**, 19, 2439-2448	2	7
175	Supramolecular Carbon Monoxide-Releasing Peptide Hydrogel Patch. *Advanced Functional Materials*, **2018**, 28, 1803051	15.6	15
174	Spectroscopic Analyses on Chain Structure and Thermal Stabilization Behavior of Acrylonitrile/Methyl Acrylate/Itaconic Acid-based Copolymers Synthesized by Aqueous Suspension Polymerization. *Fibers and Polymers*, **2018**, 19, 2007-2015	2	5

173	Effect of vitamin derivatives on gelation rate and gel strength of methylcellulose. *Carbohydrate Polymers*, **2018**, 196, 414-421	10.3	10
172	Preparation and characterization of acrylic pressure-sensitive adhesives based on UV and heat curing systems. *International Journal of Adhesion and Adhesives*, **2017**, 75, 190-195	3.4	17
171	Effect of alkaline hydrolysis on cyclization reaction of PAN nanofibers. *Materials and Design*, **2017**, 124, 69-77	8.1	56
170	Modification and optimization of electrospun gelatin sheets by electron beam irradiation for soft tissue engineering. *Biomaterials Research*, **2017**, 21, 14	16.8	13
169	Hydrolysis of oxidized polyacrylonitrile nanofibrous webs and selective adsorption of harmful heavy metal ions. *Polymer Degradation and Stability*, **2017**, 143, 207-213	4.7	22
168	Preventing postoperative tissue adhesion using injectable carboxymethyl cellulose-pullulan hydrogels. *International Journal of Biological Macromolecules*, **2017**, 105, 886-893	7.9	37
167	Enhanced thermal stabilization of polymer nanofibrous web using self-polymerized 3,4-dihydroxy-L-phenylalanine. *Polymer*, **2017**, 125, 126-133	3.9	11
166	Silk fibroin/hydroxyapatite composite hydrogel induced by gamma-ray irradiation for bone tissue engineering. *Biomaterials Research*, **2017**, 21, 12	16.8	31
165	One-pot synthesis of injectable methylcellulose hydrogel containing calcium phosphate nanoparticles. *Carbohydrate Polymers*, **2017**, 157, 775-783	10.3	32
164	Surface-modified polyethylene separator via oxygen plasma treatment for lithium ion battery. *Journal of Industrial and Engineering Chemistry*, **2017**, 45, 15-21	6.3	54
163	Fluorescent Property of Chitosan Oligomer and Its Application as a Metal Ion Sensor. *Marine Drugs*, **2017**, 15,	6	29
162	Guiding bone regeneration using hydrophobized silk fibroin nanofiber membranes. *Macromolecular Research*, **2016**, 24, 824-828	1.9	8
161	Effect of solution pH on the self-polymerization behavior of 3,4-Dihydroxyphenylalanine. *Macromolecular Research*, **2016**, 24, 940-942	1.9	2
160	Antimicrobial Silver Chloride Nanoparticles Stabilized with Chitosan Oligomer for the Healing of Burns. *Materials*, **2016**, 9,	3.5	38
159	Gelation Behaviors and Mechanism of Silk Fibroin According to the Addition of Nitrate Salts. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	15
158	Green Synthesis of Silver Nanoparticles Stabilized with Mussel-Inspired Protein and Colorimetric Sensing of Lead(II) and Copper(II) Ions. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	44
157	Chemically cross-linked silk fibroin hydrogel with enhanced elastic properties, biodegradability, and biocompatibility. *International Journal of Nanomedicine*, **2016**, 11, 2967-78	7.3	42
156	Plasma-assisted water-based Al2O3 ceramic coating for polyethylene-based microporous separators for lithium metal secondary batteries. *Electrochimica Acta*, **2016**, 212, 649-656	6.7	57

155	Thermal, mechanical, impact, and water absorption properties of novel silk fibroin fiber reinforced poly(butylene succinate) biocomposites. *Macromolecular Research*, **2016**, 24, 734-740	1.9	15
154	Growth behavior of endothelial cells according to electrospun poly(D,L-lactic-co-glycolic acid) fiber diameter as a tissue engineering scaffold. *Tissue Engineering and Regenerative Medicine*, **2016**, 13, 343-351	4.5	21
153	Formation of Ag nanoparticles in PVA solution and catalytic activity of their electrospun PVA nanofibers. *Fibers and Polymers*, **2015**, 16, 840-849	2	17
152	Basic fibroblast growth factor-encapsulated PCL nano/microfibrous composite scaffolds for bone regeneration. *Polymer*, **2015**, 76, 8-16	3.9	30
151	Effects of electron beam irradiation on the gel fraction, thermal and mechanical properties of poly(butylene succinate) crosslinked by multi-functional monomer. *Materials and Design*, **2015**, 87, 428-435	8.1	11
150	Breathable properties of m-Aramid nanofibrous membrane with high thermal resistance. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	16
149	Residual charge and filtration efficiency of polycarbonate fibrous membranes prepared by electrospinning. *Journal of Applied Polymer Science*, **2015**, 132,	2.9	31
148	Effect of nanofiber content on bone regeneration of silk fibroin/poly(ε-caprolactone) nano/microfibrous composite scaffolds. *International Journal of Nanomedicine*, **2015**, 10, 485-502	7.3	46
147	Fabrication and Characterization of Cellulose Acetate/Montmorillonite Composite Nanofibers by Electrospinning. *Journal of Nanomaterials*, **2015**, 2015, 1-8	3.2	14
146	Modification of PLGA Nanofibrous Mats by Electron Beam Irradiation for Soft Tissue Regeneration. *Journal of Nanomaterials*, **2015**, 2015, 1-10	3.2	8
145	Partially oxidized polyacrylonitrile nanofibrous membrane as a thermally stable separator for lithium ion batteries. *Polymer*, **2015**, 68, 335-343	3.9	38
144	Morphological and permeable properties of antibacterial double-layered composite nonwovens consisting of microfibers and nanofibers. *Composites Part B: Engineering*, **2015**, 75, 256-263	10	16
143	Photocatalytic activities of cellulose-based nanofibers with different silver phases: silver ions and nanoparticles. *Carbohydrate Polymers*, **2014**, 102, 956-61	10.3	13
142	Green synthesis and antimicrobial activity of silver chloride nanoparticles stabilized with chitosan oligomer. *Journal of Materials Science: Materials in Medicine*, **2014**, 25, 2629-38	4.5	18
141	Hydrophobization of silk fibroin nanofibrous membranes by fluorocarbon plasma treatment to modulate cell adhesion and proliferation behavior. *Macromolecular Research*, **2014**, 22, 746-752	1.9	18
140	Cellular response of silk fibroin nanofibers containing silver nanoparticles In vitro. *Macromolecular Research*, **2014**, 22, 796-803	1.9	4
139	Effect of surfactants on sol–gel transition of silk fibroin. *Journal of Sol-Gel Science and Technology*, **2014**, 71, 364-371	2.3	23
138	Antimicrobial activity of cellulose-based nanofibers with different Ag phases. *Materials Letters*, **2014**, 116, 146-149	3.3	18

137	Functional cellulose-based nanofibers with catalytic activity: effect of Ag content and Ag phase. *International Journal of Biological Macromolecules*, **2014**, 67, 394-400	7.9	9
136	Preparation and characterization of gelatin nanofibers containing silver nanoparticles. *International Journal of Molecular Sciences*, **2014**, 15, 6857-79	6.3	60
135	Fabrication and characterization of thermoresponsive polystyrene nanofibrous mats for cultured cell recovery. *BioMed Research International*, **2014**, 2014, 480694	3	7
134	Effect of silk fibroin nanofibers containing silver sulfadiazine on wound healing. *International Journal of Nanomedicine*, **2014**, 9, 5277-87	7.3	33
133	Effect of methylcellulose on the formation and drug release behavior of silk fibroin hydrogel. *Carbohydrate Polymers*, **2013**, 98, 1179-85	10.3	29
132	Fabrication of nanofibrous scaffold using a PLA and hagfish thread keratin composite; its effect on cell adherence, growth, and osteoblast differentiation. *Biomedical Materials (Bristol)*, **2013**, 8, 045006	3.5	15
131	Colorimetric detection of transition metal ions with azopyridine-based probing molecule in aqueous solution and in PMMA film. *Fibers and Polymers*, **2013**, 14, 1993-1998	2	5
130	Simple technique for spatially separated nanofibers/nanobeads by multinozzle electrospinning toward white-light emission. *ACS Applied Materials & Interfaces*, **2013**, 5, 6038-44	9.5	27
129	Highly hydrophobic nanofibrous surfaces genearated by poly(vinylidene fluoride). *Fibers and Polymers*, **2013**, 14, 1271-1275	2	13
128	Fabrication and surface modification of melt-electrospun poly(D,L-lactic-co-glycolic acid) microfibers. *Fibers and Polymers*, **2013**, 14, 1491-1496	2	10
127	Thermomechanical and flexural properties of chopped silk fiber-reinforced poly(butylene succinate) green composites: effect of electron beam treatment of worm silk. *Advanced Composite Materials*, **2013**, 22, 437-449	2.8	17
126	Fabrication of microfibrous and nano-/microfibrous scaffolds: melt and hybrid electrospinning and surface modification of poly(L-lactic acid) with plasticizer. *BioMed Research International*, **2013**, 2013, 309048	3	31
125	Study on Synthesis of PVA Stabilized Silver Nanoparticles using Green Synthesis and Their Application for Catalysis. *Materials Research Society Symposia Proceedings*, **2012**, 1453, 36		
124	Cellular response to poly(vinyl alcohol) nanofibers coated with biocompatible proteins and polysaccharides. *Applied Surface Science*, **2012**, 258, 6914-6922	6.7	11
123	Fabrication of Nanopatterned Surfaces for Tissue Engineering **2012**,		2
122	Study on Synthesis Chitosan Oligomer Stabilized Silver Nanoparticles Using Green Chemistry and Their Burn Wound Healing Effects. *Materials Research Society Symposia Proceedings*, **2012**, 1453, 27		2
121	Cobalt ion-mediated cysteine detection with a hyperbranched conjugated polyelectrolyte as a new sensing platform. *Macromolecular Rapid Communications*, **2012**, 33, 1510-6	4.8	21
120	Macromol. Rapid Commun. 18/2012. *Macromolecular Rapid Communications*, **2012**, 33, 1592-1592	4.8	1

119	Composite Nonwoven of Meltblown/Electrospun Polyurethane. *Textile Science and Engineering*, **2012**, 49, 370-376		1
118	FT-IR studies on the curing behavior of polycardanol from naturally renewable resources. *Journal of Applied Polymer Science*, **2011**, 122, 2774-2778	2.9	7
117	Chitosan-coated poly(vinyl alcohol) nanofibers for wound dressings. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2010**, 92, 568-76	3.5	35
116	Synthesis and electrostatic nano-assembly of water-soluble polybenzothiadiazole derivatives with long-wavelength emission in the solid states. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 6977-80	1.3	2
115	Stress response of fibroblasts adherent to the surface of plasma-treated poly(lactic-co-glycolic acid) nanofiber matrices. *Colloids and Surfaces B: Biointerfaces*, **2010**, 77, 90-5	6	29
114	Epidermal cellular response to poly(vinyl alcohol) nanofibers containing silver nanoparticles. *Colloids and Surfaces B: Biointerfaces*, **2010**, 78, 334-42	6	49
113	Electron beam effect on the tensile properties and topology of jute fibers and the interfacial strength of jute-PLA green composites. *Macromolecular Research*, **2010**, 18, 919-922	1.9	28
112	Enhancement of mechanical properties of TiO2 nanofibers by reinforcement with polysulfone fibers. *Materials Letters*, **2010**, 64, 189-191	3.3	11
111	Novel three-dimensional scaffolds of poly(L-lactic acid) microfibers using electrospinning and mechanical expansion: Fabrication and bone regeneration. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2010**, 95, 150-60	3.5	62
110	Fabrication and characterization of TiO2/poly(dimethyl siloxane) composite fibers with thermal and mechanical stability. *Journal of Applied Polymer Science*, **2010**, 116, 449-454	2.9	51
109	Fabrication and characterization of 3-dimensional PLGA nanofiber/microfiber composite scaffolds. *Polymer*, **2010**, 51, 1320-1327	3.9	144
108	The effect of a laminin-5-derived peptide coated onto chitin microfibers on re-epithelialization in early-stage wound healing. *Biomaterials*, **2010**, 31, 4725-30	15.6	42
107	Effect of the degree of deacetylation on the thermal decomposition of chitin and chitosan nanofibers. *Carbohydrate Polymers*, **2010**, 80, 291-295	10.3	98
106	alpha3beta1 integrin promotes cell survival via multiple interactions between 14-3-3 isoforms and proapoptotic proteins. *Experimental Cell Research*, **2009**, 315, 3187-200	4.2	26
105	Electrospinning of poly(dimethyl siloxane) by sol□gel method. *Journal of Applied Polymer Science*, **2009**, 114, 3870-3874	2.9	18
104	Fabrication and characterization of zirconium carbide (ZrC) nanofibers with thermal storage property. *Thin Solid Films*, **2009**, 517, 6531-6538	2.2	34
103	Superhydrophobicity of cellulose triacetate fibrous mats produced by electrospinning and plasma treatment. *Carbohydrate Polymers*, **2009**, 75, 246-250	10.3	79
102	Electrospinning of polysaccharides for regenerative medicine. *Advanced Drug Delivery Reviews*, **2009**, 61, 1020-32	18.5	426

101	Biomedical Polymer Nanofibers for Emerging Technology **2009**, 21-42		1
100	Plasma-treated silk fibroin nanofibers for skin regeneration. *International Journal of Biological Macromolecules*, **2009**, 44, 222-8	7.9	83
99	Nanoscale Silver-Based Al-Doped ZnO Multilayer Transparent-Conductive Oxide Films. *Journal of the Electrochemical Society*, **2009**, 156, J215	3.9	36
98	Electrospinning of cellulose acetate nanofibers using a mixed solvent of acetic acid/water: Effects of solvent composition on the fiber diameter. *Materials Letters*, **2008**, 62, 759-762	3.3	143
97	Fabrication of zirconium carbide (ZrC) ultra-thin fibers by electrospinning. *Materials Letters*, **2008**, 62, 1961-1964	3.3	47
96	Effect of chitin/silk fibroin nanofibrous bicomponent structures on interaction with human epidermal keratinocytes. *International Journal of Biological Macromolecules*, **2008**, 42, 324-34	7.9	60
95	Collagen-based biomimetic nanofibrous scaffolds: preparation and characterization of collagen/silk fibroin bicomponent nanofibrous structures. *Biomacromolecules*, **2008**, 9, 1106-16	6.9	135
94	Controlling size and distribution of silver nanoparticles generated in inorganic silica nanofibers using poly(vinyl pyrrolidone). *Macromolecular Research*, **2008**, 16, 626-630	1.9	13
93	Electrospinning of ultrafine cellulose fibers and fabrication of poly(butylene succinate) biocomposites reinforced by them. *Journal of Applied Polymer Science*, **2008**, 107, 1954-1959	2.9	55
92	Effect of tying conditions on the knot security of suture materials. *Journal of Applied Polymer Science*, **2008**, 109, 918-922	2.9	3
91	Superhydrophobicity of PHBV fibrous surface with bead-on-string structure. *Journal of Colloid and Interface Science*, **2008**, 320, 91-5	9.3	97
90	Bis(2-hydroxyphenyl)-1,3,4-oxadiazole Derivative for Anion Sensing and Fluorescent Patterning. *Molecular Crystals and Liquid Crystals*, **2007**, 463, 255/[537]-261/[543]	0.5	7
89	Effect of Solvent on the Characteristics of Electrospun Regenerated Silk Fibroin Nanofibers. *Key Engineering Materials*, **2007**, 342-343, 813-816	0.4	15
88	Effects of the tacticities of poly(vinyl alcohol) on the structure and morphology of poly(vinyl alcohol) nanowebs prepared by electrospinning. *Journal of Applied Polymer Science*, **2007**, 106, 3282-3289	2.9	4
87	Preparation of atactic poly(vinyl alcohol)/sodium alginate blend nanowebs by electrospinning. *Journal of Applied Polymer Science*, **2007**, 106, 1337-1342	2.9	56
86	Characteristics of novel monofilament sutures prepared by conjugate spinning. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 83, 499-504	3.5	5
85	Preparation and characterization of antimicrobial polycarbonate nanofibrous membrane. *European Polymer Journal*, **2007**, 43, 3146-3152	5.2	71
84	In vitro and in vivo degradation behaviors of synthetic absorbable bicomponent monofilament suture prepared with poly(p-dioxanone) and its copolymer. *Polymer Degradation and Stability*, **2007**, 92, 667-674	4.7	47

83	Preparation of inorganic silica nanofibers containing silver nanoparticles. *Fibers and Polymers*, **2007**, 8, 591-600	2	15
82	Plasma-treated poly(lactic-co-glycolic acid) nanofibers for tissue engineering. *Macromolecular Research*, **2007**, 15, 238-243	1.9	96
81	Surface Characteristics of Plasma-Treated PLGA Nanofibers. *Macromolecular Symposia*, **2007**, 249-250, 103-108	0.8	17
80	Property improvement of natural fiber-reinforced green composites by water treatment. *Advanced Composite Materials*, **2007**, 16, 299-314	2.8	45
79	Improvement of the Interfacial, Flexural, and Thermal Properties of Jute/Poly(lactic acid) Biocomposites by Fiber Surface Treatments. *Journal of Biobased Materials and Bioenergy*, **2007**, 1, 331-340	1.4	28
78	Preparation of porous ultrafine PGA fibers via selective dissolution of electrospun PGA/PLA blend fibers. *Materials Letters*, **2006**, 60, 757-760	3.3	94
77	Thermal interfiber bonding of electrospun poly(l-lactic acid) nanofibers. *Materials Letters*, **2006**, 60, 1331-1333	3.3	65
76	Effect of solution properties on nanofibrous structure of electrospun poly(lactic-co-glycolic acid). *Journal of Applied Polymer Science*, **2006**, 99, 1214-1221	2.9	64
75	Mechanical and thermal properties of waste silk fiber-reinforced poly(butylene succinate) biocomposites. *Journal of Applied Polymer Science*, **2006**, 100, 4972-4980	2.9	79
74	Regenerated silk fibroin nanofibers: water vapor-induced structural changes and their effects on the behavior of normal human cells. *Macromolecular Bioscience*, **2006**, 6, 285-92	5.5	131
73	Fabrication of YBa2Cu3O7 superconducting nanofibres by electrospinning. *Superconductor Science and Technology*, **2006**, 19, 1264-1268	3.1	21
72	Surface Functionalization of Silica Particles with Phthalocyanine. *Molecular Crystals and Liquid Crystals*, **2006**, 444, 23-31	0.5	2
71	Sensor Application of Submicro-Sized Silica Particle Functionalized with Hydroxyphenylbenzoxazole. *Molecular Crystals and Liquid Crystals*, **2006**, 445, 185/[475]-192/[482]	0.5	
70	Henequen/poly(butylene succinate) biocomposites: electron beam irradiation effects on henequen fiber and the interfacial properties of biocomposites. *Composite Interfaces*, **2006**, 13, 231-247	2.3	37
69	Direct electrospinning of ultrafine titania fibres in the absence of polymer additives and formation of pure anatase titania fibres at low temperature. *Nanotechnology*, **2006**, 17, 439-443	3.4	49
68	Biomimetic nanofibrous scaffolds: preparation and characterization of PGA/chitin blend nanofibers. *Biomacromolecules*, **2006**, 7, 635-43	6.9	125
67	Time-resolved structural investigation of regenerated silk fibroin nanofibers treated with solvent vapor. *International Journal of Biological Macromolecules*, **2006**, 38, 140-4	7.9	86
66	Biomimetic nanofibrous scaffolds: preparation and characterization of chitin/silk fibroin blend nanofibers. *International Journal of Biological Macromolecules*, **2006**, 38, 165-73	7.9	157

65	Aromatic oxadiazole-based conjugated polymers with excited-state intramolecular proton transfer: Their synthesis and sensing ability for explosive nitroaromatic compounds. *Journal of Polymer Science Part A*, **2006**, 44, 2059-2068	2.5	45
64	Antimicrobial cellulose acetate nanofibers containing silver nanoparticles. *Carbohydrate Polymers*, **2006**, 65, 430-434	10.3	383
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