

Won Ho Park

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110
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231
ext. papers

14,491
ext. citations

5.3
avg, IF

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L-index

#	Paper	IF	Citations
226	Electrospinning of silk fibroin nanofibers and its effect on the adhesion and spreading of normal human keratinocytes and fibroblasts in vitro. <i>Biomaterials</i> , 2004 , 25, 1289-97	15.6	959
225	Crystalline structure analysis of cellulose treated with sodium hydroxide and carbon dioxide by means of X-ray diffraction and FTIR spectroscopy. <i>Carbohydrate Research</i> , 2005 , 340, 2376-91	2.9	876
224	Electrospinning of collagen nanofibers: effects on the behavior of normal human keratinocytes and early-stage wound healing. <i>Biomaterials</i> , 2006 , 27, 1452-61	15.6	695
223	The effects of solution properties and polyelectrolyte on electrospinning of ultrafine poly(ethylene oxide) fibers. <i>Polymer</i> , 2004 , 45, 2959-2966	3.9	473
222	Electrospinning of polysaccharides for regenerative medicine. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1020-32	18.5	426
221	Antimicrobial cellulose acetate nanofibers containing silver nanoparticles. <i>Carbohydrate Polymers</i> , 2006 , 65, 430-434	10.3	383
220	Chitin and chitosan nanofibers: electrospinning of chitin and deacetylation of chitin nanofibers. <i>Polymer</i> , 2004 , 45, 7137-7142	3.9	377
219	Blood compatibility and biodegradability of partially N-acylated chitosan derivatives. <i>Biomaterials</i> , 1995 , 16, 1211-6	15.6	362
218	Preparation of Antimicrobial Ultrafine Cellulose Acetate Fibers with Silver Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1632-1637	4.8	339
217	Electrospinning of chitin nanofibers: degradation behavior and cellular response to normal human keratinocytes and fibroblasts. <i>Biomaterials</i> , 2006 , 27, 3934-44	15.6	279
216	Biological efficacy of silk fibroin nanofiber membranes for guided bone regeneration. <i>Journal of Biotechnology</i> , 2005 , 120, 327-39	3.7	278
215	Effect of chitosan on morphology and conformation of electrospun silk fibroin nanofibers. <i>Polymer</i> , 2004 , 45, 7151-7157	3.9	249
214	Novel silk/poly(butylene succinate) biocomposites: the effect of short fibre content on their mechanical and thermal properties. <i>Composites Science and Technology</i> , 2005 , 65, 647-657	8.6	231
213	In vitro degradation behavior of electrospun polyglycolide, polylactide, and poly(lactide-co-glycolide). <i>Journal of Applied Polymer Science</i> , 2005 , 95, 193-200	2.9	208
212	Electrospinning of ultrafine cellulose acetate fibers: Studies of a new solvent system and deacetylation of ultrafine cellulose acetate fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 5-11	2.6	191
211	Silk Fibroin Nanofiber. Electrospinning, Properties, and Structure. <i>Polymer Journal</i> , 2003 , 35, 185-190	2.7	186
210	Formation of silk fibroin matrices with different texture and its cellular response to normal human keratinocytes. <i>International Journal of Biological Macromolecules</i> , 2004 , 34, 281-8	7.9	172

209	Effect of organosoluble salts on the nanofibrous structure of electrospun poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>International Journal of Biological Macromolecules</i> , 2004 , 34, 249-56	7.9	163
208	Effect of biodegradable plasticizers on thermal and mechanical properties of poly(3-hydroxybutyrate). <i>Polymer Testing</i> , 2004 , 23, 455-460	4.5	162
207	Preparation of Polymer Nanofibers Containing Silver Nanoparticles by Using Poly(N-vinylpyrrolidone). <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1903-1907	4.8	158
206	Biomimetic nanofibrous scaffolds: preparation and characterization of chitin/silk fibroin blend nanofibers. <i>International Journal of Biological Macromolecules</i> , 2006 , 38, 165-73	7.9	157
205	Fabrication and characterization of 3-dimensional PLGA nanofiber/microfiber composite scaffolds. <i>Polymer</i> , 2010 , 51, 1320-1327	3.9	144
204	Electrospinning of cellulose acetate nanofibers using a mixed solvent of acetic acid/water: Effects of solvent composition on the fiber diameter. <i>Materials Letters</i> , 2008 , 62, 759-762	3.3	143
203	Collagen-based biomimetic nanofibrous scaffolds: preparation and characterization of collagen/silk fibroin bicomponent nanofibrous structures. <i>Biomacromolecules</i> , 2008 , 9, 1106-16	6.9	135
202	Regenerated silk fibroin nanofibers: water vapor-induced structural changes and their effects on the behavior of normal human cells. <i>Macromolecular Bioscience</i> , 2006 , 6, 285-92	5.5	131
201	Biomimetic nanofibrous scaffolds: preparation and characterization of PGA/chitin blend nanofibers. <i>Biomacromolecules</i> , 2006 , 7, 635-43	6.9	125
200	Formation of nanostructured poly(lactic-co-glycolic acid)/chitin matrix and its cellular response to normal human keratinocytes and fibroblasts. <i>Carbohydrate Polymers</i> , 2004 , 57, 285-292	10.3	104
199	Synthesis of chitooligosaccharide derivative with quaternary ammonium group and its antimicrobial activity against <i>Streptococcus mutans</i> . <i>International Journal of Biological Macromolecules</i> , 2003 , 32, 23-77.9	7.9	104
198	Preparation of ultrafine oxidized cellulose mats via electrospinning. <i>Biomacromolecules</i> , 2004 , 5, 197-206.9	6.9	100
197	Effect of the degree of deacetylation on the thermal decomposition of chitin and chitosan nanofibers. <i>Carbohydrate Polymers</i> , 2010 , 80, 291-295	10.3	98
196	Superhydrophobicity of PHBV fibrous surface with bead-on-string structure. <i>Journal of Colloid and Interface Science</i> , 2008 , 320, 91-5	9.3	97
195	Plasma-treated poly(lactic-co-glycolic acid) nanofibers for tissue engineering. <i>Macromolecular Research</i> , 2007 , 15, 238-243	1.9	96
194	Preparation of porous ultrafine PGA fibers via selective dissolution of electrospun PGA/PLA blend fibers. <i>Materials Letters</i> , 2006 , 60, 757-760	3.3	94
193	Time-resolved structural investigation of regenerated silk fibroin nanofibers treated with solvent vapor. <i>International Journal of Biological Macromolecules</i> , 2006 , 38, 140-4	7.9	86
192	Plasma-treated silk fibroin nanofibers for skin regeneration. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 222-8	7.9	83

191	Shape-dependent antimicrobial activities of silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2019 , 14, 2773-2780	7.3	82
190	Ultrafine porous fibers electrospun from cellulose triacetate. <i>Materials Letters</i> , 2005 , 59, 2998-3001	3.3	82
189	Superhydrophobicity of cellulose triacetate fibrous mats produced by electrospinning and plasma treatment. <i>Carbohydrate Polymers</i> , 2009 , 75, 246-250	10.3	79
188	Mechanical and thermal properties of waste silk fiber-reinforced poly(butylene succinate) biocomposites. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4972-4980	2.9	79
187	Characterization of surface modified flax fibers and their biocomposites with PHB. <i>Macromolecular Symposia</i> , 2003 , 197, 089-100	0.8	75
186	Epoxidation of Bacterial Polyesters with Unsaturated Side Chains. I. Production and Epoxidation of Polyesters from 10-Undecenoic Acid. <i>Macromolecules</i> , 1998 , 31, 1480-1486	5.5	75
185	In vitro degradation behaviour of non-porous ultra-fine poly(glycolic acid)/poly(L-lactic acid) fibres and porous ultra-fine poly(glycolic acid) fibres. <i>Polymer Degradation and Stability</i> , 2005 , 90, 441-448	4.7	73
184	The PPFLMLLKSTR motif in globular domain 3 of the human laminin-5 alpha3 chain is crucial for integrin alpha3beta1 binding and cell adhesion. <i>Experimental Cell Research</i> , 2005 , 304, 317-27	4.2	72
183	Preparation and characterization of antimicrobial polycarbonate nanofibrous membrane. <i>European Polymer Journal</i> , 2007 , 43, 3146-3152	5.2	71
182	Injectable methylcellulose hydrogel containing silver oxide nanoparticles for burn wound healing. <i>Carbohydrate Polymers</i> , 2018 , 181, 579-586	10.3	66
181	Thermal interfiber bonding of electrospun poly(L-lactic acid) nanofibers. <i>Materials Letters</i> , 2006 , 60, 1331-1333	3.3	65
180	Effect of solution properties on nanofibrous structure of electrospun poly(lactic-co-glycolic acid). <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1214-1221	2.9	64
179	Novel three-dimensional scaffolds of poly(L-lactic acid) microfibers using electrospinning and mechanical expansion: Fabrication and bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 95, 150-60	3.5	62
178	Effect of pH on electrospinning of poly(vinyl alcohol). <i>Materials Letters</i> , 2005 , 59, 1571-1575	3.3	62
177	Preparation and characterization of gelatin nanofibers containing silver nanoparticles. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 6857-79	6.3	60
176	Effect of chitin/silk fibroin nanofibrous bicomponent structures on interaction with human epidermal keratinocytes. <i>International Journal of Biological Macromolecules</i> , 2008 , 42, 324-34	7.9	60
175	Hydrophilic bacterial polyesters modified with pendant hydroxyl groups. <i>Polymer</i> , 2000 , 41, 1703-1709	3.9	57
174	Plasma-assisted water-based Al ₂ O ₃ ceramic coating for polyethylene-based microporous separators for lithium metal secondary batteries. <i>Electrochimica Acta</i> , 2016 , 212, 649-656	6.7	57

173	Effect of alkaline hydrolysis on cyclization reaction of PAN nanofibers. <i>Materials and Design</i> , 2017 , 124, 69-77	8.1	56
172	Preparation of atactic poly(vinyl alcohol)/sodium alginate blend nanowebs by electrospinning. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1337-1342	2.9	56
171	Electrospinning of ultrafine cellulose fibers and fabrication of poly(butylene succinate) biocomposites reinforced by them. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1954-1959	2.9	55
170	Surface-modified polyethylene separator via oxygen plasma treatment for lithium ion battery. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 45, 15-21	6.3	54
169	Injectable methylcellulose hydrogel containing calcium phosphate nanoparticles for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 57-64	7.9	52
168	Fabrication and characterization of TiO ₂ /poly(dimethyl siloxane) composite fibers with thermal and mechanical stability. <i>Journal of Applied Polymer Science</i> , 2010 , 116, 449-454	2.9	51
167	Epidermal cellular response to poly(vinyl alcohol) nanofibers containing silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 78, 334-42	6	49
166	A New Synthetic Approach for Polybenzoxazole and Light-Induced Fluorescent Patterning on Its Film. <i>Macromolecules</i> , 2005 , 38, 9427-9433	5.5	49
165	Direct electrospinning of ultrafine titania fibres in the absence of polymer additives and formation of pure anatase titania fibres at low temperature. <i>Nanotechnology</i> , 2006 , 17, 439-443	3.4	49
164	Fabrication of zirconium carbide (ZrC) ultra-thin fibers by electrospinning. <i>Materials Letters</i> , 2008 , 62, 1961-1964	3.3	47
163	In vitro and in vivo degradation behaviors of synthetic absorbable bicomponent monofilament suture prepared with poly(p-dioxanone) and its copolymer. <i>Polymer Degradation and Stability</i> , 2007 , 92, 667-674	4.7	47
162	Electrospinning and wound healing activity of Echin extracted from cuttlefish bone. <i>Carbohydrate Polymers</i> , 2018 , 193, 205-211	10.3	46
161	Effect of nanofiber content on bone regeneration of silk fibroin/poly(L-lactide) nano/microfibrous composite scaffolds. <i>International Journal of Nanomedicine</i> , 2015 , 10, 485-502	7.3	46
160	Property improvement of natural fiber-reinforced green composites by water treatment. <i>Advanced Composite Materials</i> , 2007 , 16, 299-314	2.8	45
159	Aromatic oxadiazole-based conjugated polymers with excited-state intramolecular proton transfer: Their synthesis and sensing ability for explosive nitroaromatic compounds. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 2059-2068	2.5	45
158	Green Synthesis of Silver Nanoparticles Stabilized with Mussel-Inspired Protein and Colorimetric Sensing of Lead(II) and Copper(II) Ions. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	44
157	The effect of a laminin-5-derived peptide coated onto chitin microfibers on re-epithelialization in early-stage wound healing. <i>Biomaterials</i> , 2010 , 31, 4725-30	15.6	42
156	Chemically cross-linked silk fibroin hydrogel with enhanced elastic properties, biodegradability, and biocompatibility. <i>International Journal of Nanomedicine</i> , 2016 , 11, 2967-78	7.3	42

155	Effects of PVA sponge containing chitooligosaccharide in the early stage of wound healing. <i>Journal of Materials Science: Materials in Medicine</i> , 2004 , 15, 297-301	4.5	41
154	Preparation of porous ultra-fine fibres via selective thermal degradation of electrospun polyetherimide/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) fibres. <i>Polymer Degradation and Stability</i> , 2004 , 86, 257-262	4.7	41
153	Effects of adhesion molecules on the behavior of osteoblast-like cells and normal human fibroblasts on different titanium surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 74, 640-51	5.4	39
152	Partially oxidized polyacrylonitrile nanofibrous membrane as a thermally stable separator for lithium ion batteries. <i>Polymer</i> , 2015 , 68, 335-343	3.9	38
151	Antimicrobial Silver Chloride Nanoparticles Stabilized with Chitosan Oligomer for the Healing of Burns. <i>Materials</i> , 2016 , 9,	3.5	38
150	Preventing postoperative tissue adhesion using injectable carboxymethyl cellulose-pullulan hydrogels. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 886-893	7.9	37
149	Cure Behavior of an Epoxy-Anhydride-Imidazole System. <i>Polymer Journal</i> , 1996 , 28, 407-411	2.7	37
148	Henequen/poly(butylene succinate) biocomposites: electron beam irradiation effects on henequen fiber and the interfacial properties of biocomposites. <i>Composite Interfaces</i> , 2006 , 13, 231-247	2.3	37
147	Relationships between antithrombogenicity and surface free energy of regenerated silk fibroin films. <i>Fibers and Polymers</i> , 2001 , 2, 58-63	2	37
146	Nanoscale Silver-Based Al-Doped ZnO Multilayer Transparent-Conductive Oxide Films. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J215	3.9	36
145	Chitosan-coated poly(vinyl alcohol) nanofibers for wound dressings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 92, 568-76	3.5	35
144	Dual-crosslinked methylcellulose hydrogels for 3D bioprinting applications. <i>Carbohydrate Polymers</i> , 2020 , 238, 116192	10.3	34
143	Fabrication and characterization of zirconium carbide (ZrC) nanofibers with thermal storage property. <i>Thin Solid Films</i> , 2009 , 517, 6531-6538	2.2	34
142	Thermal stabilization of poly(3-hydroxybutyrate) by poly(glycidyl methacrylate). <i>Journal of Applied Polymer Science</i> , 2002 , 83, 2945-2952	2.9	34
141	Preparation of porous ultra-fine poly(vinyl cinnamate) fibers. <i>Materials Letters</i> , 2005 , 59, 3558-3562	3.3	34
140	Effect of silk fibroin nanofibers containing silver sulfadiazine on wound healing. <i>International Journal of Nanomedicine</i> , 2014 , 9, 5277-87	7.3	33
139	One-pot synthesis of injectable methylcellulose hydrogel containing calcium phosphate nanoparticles. <i>Carbohydrate Polymers</i> , 2017 , 157, 775-783	10.3	32
138	Residual charge and filtration efficiency of polycarbonate fibrous membranes prepared by electrospinning. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	31

137	Silk fibroin/hydroxyapatite composite hydrogel induced by gamma-ray irradiation for bone tissue engineering. <i>Biomaterials Research</i> , 2017 , 21, 12	16.8	31
136	Fabrication of microfibrinous and nano-/microfibrinous scaffolds: melt and hybrid electrospinning and surface modification of poly(L-lactic acid) with plasticizer. <i>BioMed Research International</i> , 2013 , 2013, 309048	3	31
135	Interfacial shear strength and thermal properties of electron beam-treated henequen fibers reinforced unsaturated polyester composites. <i>Macromolecular Research</i> , 2005 , 13, 453-459	1.9	31
134	Basic fibroblast growth factor-encapsulated PCL nano/microfibrinous composite scaffolds for bone regeneration. <i>Polymer</i> , 2015 , 76, 8-16	3.9	30
133	Effect of methylcellulose on the formation and drug release behavior of silk fibroin hydrogel. <i>Carbohydrate Polymers</i> , 2013 , 98, 1179-85	10.3	29
132	Fluorescent Property of Chitosan Oligomer and Its Application as a Metal Ion Sensor. <i>Marine Drugs</i> , 2017 , 15,	6	29
131	Stress response of fibroblasts adherent to the surface of plasma-treated poly(lactic-co-glycolic acid) nanofiber matrices. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 77, 90-5	6	29
130	A study on isothermal cure behavior of an epoxy-rich/anhydride system by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 1998 , 67, 1101-1108	2.9	29
129	Electron beam effect on the tensile properties and topology of jute fibers and the interfacial strength of jute-PLA green composites. <i>Macromolecular Research</i> , 2010 , 18, 919-922	1.9	28
128	Effect of Side Chains on the Thermal Degradation of Poly(3-hydroxyalkanoates). <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1257-1261	2.6	28
127	Improvement of the Interfacial, Flexural, and Thermal Properties of Jute/Poly(lactic acid) Biocomposites by Fiber Surface Treatments. <i>Journal of Biobased Materials and Bioenergy</i> , 2007 , 1, 331-340	1.4	28
126	Simple technique for spatially separated nanofibers/nanobeads by multinozzle electrospinning toward white-light emission. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6038-44	9.5	27
125	alpha3beta1 integrin promotes cell survival via multiple interactions between 14-3-3 isoforms and proapoptotic proteins. <i>Experimental Cell Research</i> , 2009 , 315, 3187-200	4.2	26
124	Thermal and mechanical properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) plasticized by biodegradable soybean oils. <i>Macromolecular Symposia</i> , 2003 , 197, 65-76	0.8	24
123	Epoxidation of bacterial polyesters with unsaturated side chains: IV. Thermal degradation of initial and epoxidized polymers. <i>Polymer Degradation and Stability</i> , 1999 , 63, 287-291	4.7	24
122	Dual crosslinked alginate hydrogels by riboflavin as photoinitiator. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 989-998	7.9	23
121	Effect of surfactants on sol-gel transition of silk fibroin. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 364-371	2.3	23
120	Hydrolysis of oxidized polyacrylonitrile nanofibrinous webs and selective adsorption of harmful heavy metal ions. <i>Polymer Degradation and Stability</i> , 2017 , 143, 207-213	4.7	22

119	Preparation and characterization of polyaniline nanofiber webs by template reaction with electrospun silica nanofibers. <i>Thin Solid Films</i> , 2005 , 477, 233-239	2.2	22
118	A crosslinked nonwoven separator based on an organosoluble polyimide for high-performance lithium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 72, 390-399	6.3	22
117	Cobalt ion-mediated cysteine detection with a hyperbranched conjugated polyelectrolyte as a new sensing platform. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1510-6	4.8	21
116	Fabrication of YBa ₂ Cu ₃ O _{7-δ} superconducting nanofibres by electrospinning. <i>Superconductor Science and Technology</i> , 2006 , 19, 1264-1268	3.1	21
115	Coaxially fabricated polylactic acid electrospun nanofibrous scaffold for sequential release of tauroursodeoxycholic acid and bone morphogenic protein-2 to stimulate angiogenesis and bone regeneration. <i>Chemical Engineering Journal</i> , 2020 , 389, 123470	14.7	21
114	Growth behavior of endothelial cells according to electrospun poly(D,L-lactic-co-glycolic acid) fiber diameter as a tissue engineering scaffold. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 343-351	4.5	21
113	Synthesis and electrostatic multilayer assembly of an acridine-containing polymer with properties of an optical sensor. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 951-955	4.8	20
112	Epoxidation of bacterial polyesters with unsaturated side chains. II. Rate of epoxidation and polymer properties. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 2381-2387	2.5	19
111	Epoxidation of bacterial polyesters with unsaturated side chains. III. Crosslinking of epoxidized polymers. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 2389-2396	2.5	19
110	Extracellular degradation of medium chain length poly(beta-hydroxyalkanoates) by Comamonas sp. <i>International Journal of Biological Macromolecules</i> , 1999 , 25, 135-43	7.9	19
109	Robust methylcellulose hydrogels reinforced with chitin nanocrystals. <i>Carbohydrate Polymers</i> , 2019 , 213, 311-319	10.3	18
108	Green synthesis and antimicrobial activity of silver chloride nanoparticles stabilized with chitosan oligomer. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2629-38	4.5	18
107	Hydrophobization of silk fibroin nanofibrous membranes by fluorocarbon plasma treatment to modulate cell adhesion and proliferation behavior. <i>Macromolecular Research</i> , 2014 , 22, 746-752	1.9	18
106	Antimicrobial activity of cellulose-based nanofibers with different Ag phases. <i>Materials Letters</i> , 2014 , 116, 146-149	3.3	18
105	Electrospinning of poly(dimethyl siloxane) by sol-gel method. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 3870-3874	2.9	18
104	Epoxidized polybutadiene as a thermal stabilizer for poly(3-hydroxybutyrate). II. Thermal stabilization of poly(3-hydroxybutyrate) by epoxidized polybutadiene. <i>Fibers and Polymers</i> , 2003 , 4, 195-198	2.0	18
103	Preparation and characterization of acrylic pressure-sensitive adhesives based on UV and heat curing systems. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 75, 190-195	3.4	17
102	Electrospraying of environmentally sustainable alginate microbeads for cosmetic additives. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 278-283	7.9	17

101	Formation of Ag nanoparticles in PVA solution and catalytic activity of their electrospun PVA nanofibers. <i>Fibers and Polymers</i> , 2015 , 16, 840-849	2	17
100	Thermomechanical and flexural properties of chopped silk fiber-reinforced poly(butylene succinate) green composites: effect of electron beam treatment of worm silk. <i>Advanced Composite Materials</i> , 2013 , 22, 437-449	2.8	17
99	Surface Characteristics of Plasma-Treated PLGA Nanofibers. <i>Macromolecular Symposia</i> , 2007 , 249-250, 103-108	0.8	17
98	Breathable properties of m-Aramid nanofibrous membrane with high thermal resistance. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	16
97	Enzymatically Cross-Linked Poly(Eglutamic acid) Hydrogel with Enhanced Tissue Adhesive Property. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3103-3113	5.5	16
96	Morphological and permeable properties of antibacterial double-layered composite nonwovens consisting of microfibers and nanofibers. <i>Composites Part B: Engineering</i> , 2015 , 75, 256-263	10	16
95	Effect of photoinitiator on chain degradation of hyaluronic acid. <i>Biomaterials Research</i> , 2019 , 23, 21	16.8	16
94	Fabrication of nanofibrous scaffold using a PLA and hagfish thread keratin composite; its effect on cell adherence, growth, and osteoblast differentiation. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 045006	3.5	15
93	Effect of Solvent on the Characteristics of Electrospun Regenerated Silk Fibroin Nanofibers. <i>Key Engineering Materials</i> , 2007 , 342-343, 813-816	0.4	15
92	Preparation of inorganic silica nanofibers containing silver nanoparticles. <i>Fibers and Polymers</i> , 2007 , 8, 591-600	2	15
91	Metal-induced optical sensing and optical switching in poly(pyridyl phenylene). <i>Journal of Polymer Science Part A</i> , 2004 , 42, 2444-2450	2.5	15
90	Synthesis of polyhydroxybenzoxazole-based colorimetric chemosensor for anionic species. <i>Materials Science and Engineering C</i> , 2004 , 24, 261-264	8.3	15
89	Bioinspired Self-Healable Polyallylamine-Based Hydrogels for Wet Adhesion: Synergistic Contributions of Catechol-Amino Functionalities and Nanosilicate. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18324-18337	9.5	15
88	Gelation Behaviors and Mechanism of Silk Fibroin According to the Addition of Nitrate Salts. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	15
87	Thermal, mechanical, impact, and water absorption properties of novel silk fibroin fiber reinforced poly(butylene succinate) biocomposites. <i>Macromolecular Research</i> , 2016 , 24, 734-740	1.9	15
86	Supramolecular Carbon Monoxide-Releasing Peptide Hydrogel Patch. <i>Advanced Functional Materials</i> , 2018 , 28, 1803051	15.6	15
85	Fabrication and Characterization of Cellulose Acetate/Montmorillonite Composite Nanofibers by Electrospinning. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	14
84	Synthesis of polyquinoline ether and its optical sensor property in the presence of metal cations. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1831-1837	2.5	14

83	Crosslinking of microbial copolyesters with pendant epoxide groups by diamine. <i>Polymer</i> , 1999 , 40, 3787-3793	14	14
82	Epoxidation of bacterial polyesters with unsaturated side chains V. Effect of crosslinking on thermal degradation of epoxidized polymers. <i>Polymer Degradation and Stability</i> , 1999 , 65, 137-142	4.7	14
81	Dual-crosslinked, self-healing and thermo-responsive methylcellulose/chitosan oligomer copolymer hydrogels. <i>Carbohydrate Polymers</i> , 2021 , 258, 117705	10.3	14
80	Fluorescent property of glycol chitosan-fluorescein isothiocyanate conjugate for bio-imaging material. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 1217-1221	7.9	13
79	Preparation and Structural Investigation of Novel β -Chitin Nanocrystals from Cuttlefish Bone. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1744-1752	5.5	13
78	Modification and optimization of electrospun gelatin sheets by electron beam irradiation for soft tissue engineering. <i>Biomaterials Research</i> , 2017 , 21, 14	16.8	13
77	Effect of pH and precursor salts on in situ formation of calcium phosphate nanoparticles in methylcellulose hydrogel. <i>Carbohydrate Polymers</i> , 2018 , 191, 176-182	10.3	13
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