Won Ho Park

List of Publications by Year
in descending order

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229 papers	15,932 citations	19657 61 h-index	18647 119 g-index
231 all docs	231 docs citations	231 times ranked	16300 citing authors

#	Article	IF	Citations
1	Crystalline structure analysis of cellulose treated with sodium hydroxide and carbon dioxide by means of X-ray diffraction and FTIR spectroscopy. Carbohydrate Research, 2005, 340, 2376-2391.	2.3	1,077
2	Electrospinning of silk fibroin nanofibers and its effect on the adhesion and spreading of normal human keratinocytes and fibroblasts in vitro. Biomaterials, 2004, 25, 1289-1297.	11.4	1,049
3	Electrospinning of collagen nanofibers: Effects on the behavior of normal human keratinocytes and early-stage wound healing. Biomaterials, 2006, 27, 1452-1461.	11.4	789
4	The effects of solution properties and polyelectrolyte on electrospinning of ultrafine poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	538
5	Electrospinning of polysaccharides for regenerative medicine. Advanced Drug Delivery Reviews, 2009, 61, 1020-1032.	13.7	486
6	Chitin and chitosan nanofibers: electrospinning of chitin and deacetylation of chitin nanofibers. Polymer, 2004, 45, 7137-7142.	3.8	418
7	Antimicrobial cellulose acetate nanofibers containing silver nanoparticles. Carbohydrate Polymers, 2006, 65, 430-434.	10.2	412
8	Blood compatibility and biodegradability of partially N-acylated chitosan derivatives. Biomaterials, 1995, 16, 1211-1216.	11.4	399
9	Preparation of Antimicrobial Ultrafine Cellulose Acetate Fibers with Silver Nanoparticles. Macromolecular Rapid Communications, 2004, 25, 1632-1637.	3.9	366
10	Biological efficacy of silk fibroin nanofiber membranes for guided bone regeneration. Journal of Biotechnology, 2005, 120, 327-339.	3.8	312
11	Electrospinning of chitin nanofibers: Degradation behavior and cellular response to normal human keratinocytes and fibroblasts. Biomaterials, 2006, 27, 3934-3944.	11.4	308
12	Effect of chitosan on morphology and conformation of electrospun silk fibroin nanofibers. Polymer, 2004, 45, 7151-7157.	3.8	272
13	Novel silk/poly(butylene succinate) biocomposites: the effect of short fibre content on their mechanical and thermal properties. Composites Science and Technology, 2005, 65, 647-657.	7.8	254
14	In vitro degradation behavior of electrospun polyglycolide, polylactide, and poly(lactide-co-glycolide). Journal of Applied Polymer Science, 2005, 95, 193-200.	2.6	240
15	Silk Fibroin Nanofiber. Electrospinning, Properties, and Structure. Polymer Journal, 2003, 35, 185-190.	2.7	220
16	Electrospinning of ultrafine cellulose acetate fibers: Studies of a new solvent system and deacetylation of ultrafine cellulose acetate fibers. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 5-11.	2.1	217
17	Effect of organosoluble salts on the nanofibrous structure of electrospun poly(3-hydroxybutyrate-co-3-hydroxyvalerate). International Journal of Biological Macromolecules, 2004, 34, 249-256.	7.5	191
18	Formation of silk fibroin matrices with different texture and its cellular response to normal human keratinocytes. International Journal of Biological Macromolecules, 2004, 34, 223-230.	7.5	186

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19	Effect of biodegradable plasticizers on thermal and mechanical properties of poly(3-hydroxybutyrate). Polymer Testing, 2004, 23, 455-460.	4.8	182
20	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.	2.6	175
21	Biomimetic nanofibrous scaffolds: Preparation and characterization of chitin/silk fibroin blend nanofibers. International Journal of Biological Macromolecules, 2006, 38, 165-173.	7.5	170
22	Preparation of Polymer Nanofibers Containing Silver Nanoparticles by Using Poly(N-vinylpyrrolidone). Macromolecular Rapid Communications, 2005, 26, 1903-1907.	3.9	167
23	Fabrication and characterization of 3-dimensional PLGA nanofiber/microfiber composite scaffolds. Polymer, 2010, 51, 1320-1327.	3.8	161
24	Shape-dependent antimicrobial activities of silver nanoparticles . International Journal of Nanomedicine, 2019, Volume 14, 2773-2780.	6.7	159
25	Collagen-Based Biomimetic Nanofibrous Scaffolds: Preparation and Characterization of Collagen/Silk Fibroin Bicomponent Nanofibrous Structures. Biomacromolecules, 2008, 9, 1106-1116.	5.4	147
26	Regenerated Silk Fibroin Nanofibers: Water Vapor-Induced Structural Changes and Their Effects on the Behavior of Normal Human Cells. Macromolecular Bioscience, 2006, 6, 285-292.	4.1	144
27	Biomimetic Nanofibrous Scaffolds:Â Preparation and Characterization of PGA/Chitin Blend Nanofibers. Biomacromolecules, 2006, 7, 635-643.	5.4	140
28	Effect of the degree of deacetylation on the thermal decomposition of chitin and chitosan nanofibers. Carbohydrate Polymers, 2010, 80, 291-295.	10.2	124
29	Synthesis of chitooligosaccharide derivative with quaternary ammonium group and its antimicrobial activity against Streptococcus mutans. International Journal of Biological Macromolecules, 2003, 32, 23-27.	7.5	119
30	Preparation of Ultrafine Oxidized Cellulose Mats via Electrospinning. Biomacromolecules, 2004, 5, 197-201.	5.4	114
31	Formation of nanostructured poly(lactic-co-glycolic acid)/chitin matrix and its cellular response to normal human keratinocytes and fibroblasts. Carbohydrate Polymers, 2004, 57, 285-292.	10.2	112
32	Plasma-treated poly(lactic-co-glycolic acid) nanofibers for tissue engineering. Macromolecular Research, 2007, 15, 238-243.	2.4	106
33	Preparation of porous ultrafine PGA fibers via selective dissolution of electrospun PGA/PLA blend fibers. Materials Letters, 2006, 60, 757-760.	2.6	105
34	Superhydrophobicity of PHBV fibrous surface with bead-on-string structure. Journal of Colloid and Interface Science, 2008, 320, 91-95.	9.4	105
35	Injectable methylcellulose hydrogel containing silver oxide nanoparticles for burn wound healing. Carbohydrate Polymers, 2018, 181, 579-586.	10.2	101
36	Effect of alkaline hydrolysis on cyclization reaction of PAN nanofibers. Materials and Design, 2017, 124, 69-77.	7.0	98

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37	Time-resolved structural investigation of regenerated silk fibroin nanofibers treated with solvent vapor. International Journal of Biological Macromolecules, 2006, 38, 140-144.	7.5	96
38	Mechanical and thermal properties of waste silk fiber-reinforced poly(butylene succinate) biocomposites. Journal of Applied Polymer Science, 2006, 100, 4972-4980.	2.6	96
39	Plasma-treated silk fibroin nanofibers for skin regeneration. International Journal of Biological Macromolecules, 2009, 44, 222-228.	7.5	94
40	Ultrafine porous fibers electrospun from cellulose triacetate. Materials Letters, 2005, 59, 2998-3001.	2.6	92
41	Superhydrophobicity of cellulose triacetate fibrous mats produced by electrospinning and plasma treatment. Carbohydrate Polymers, 2009, 75, 246-250.	10.2	92
42	Surface-modified polyethylene separator via oxygen plasma treatment for lithium ion battery. Journal of Industrial and Engineering Chemistry, 2017, 45, 15-21.	5.8	84
43	Characterization of surface modified flax fibers and their biocomposites with PHB. Macromolecular Symposia, 2003, 197, 089-100.	0.7	82
44	Epoxidation of Bacterial Polyesters with Unsaturated Side Chains. I. Production and Epoxidation of Polyesters from 10-Undecenoic Acid. Macromolecules, 1998, 31, 1480-1486.	4.8	81
45	Effect of pH on electrospinning of poly(vinyl alcohol). Materials Letters, 2005, 59, 1571-1575.	2.6	81
46	Electrospinning and wound healing activity of Î²-chitin extracted from cuttlefish bone. Carbohydrate Polymers, 2018, 193, 205-211.	10.2	81
47	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. Polymer Degradation and Stability, 2005, 90, 441-448.	5.8	80
48	Preparation and characterization of antimicrobial polycarbonate nanofibrous membrane. European Polymer Journal, 2007, 43, 3146-3152.	5.4	80
49	Novel threeâ€dimensional scaffolds of poly(<scp>L</scp>â€lactic acid) microfibers using electrospinning and mechanical expansion: Fabrication and bone regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 95B, 150-160.	3.4	78
50	The PPFLMLLKGSTR motif in globular domain 3 of the human laminin-5 Î±3 chain is crucial for integrin Î±3Î²1 binding and cell adhesion. Experimental Cell Research, 2005, 304, 317-327.	2.6	77
51	Effect of chitin/silk fibroin nanofibrous bicomponent structures on interaction with human epidermal keratinocytes. International Journal of Biological Macromolecules, 2008, 42, 324-334.	7.5	77
52	Plasma-assisted water-based Al2O3 ceramic coating for polyethylene-based microporous separators for lithium metal secondary batteries. Electrochimica Acta, 2016, 212, 649-656.	5.2	76
53	Injectable methylcellulose hydrogel containing calcium phosphate nanoparticles for bone regeneration. International Journal of Biological Macromolecules, 2018, 109, 57-64.	7.5	76
54	Preparation and Characterization of Gelatin Nanofibers Containing Silver Nanoparticles. International Journal of Molecular Sciences, 2014, 15, 6857-6879.	4.1	74

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55	Chitosanâ€coated poly(vinyl alcohol) nanofibers for wound dressings. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 568-576.	3.4	73
56	Thermal interfiber bonding of electrospun poly(l-lactic acid) nanofibers. Materials Letters, 2006, 60, 1331-1333.	2.6	71
57	Preparation of atactic poly(vinyl alcohol)/sodium alginate blend nanowebs by electrospinning. Journal of Applied Polymer Science, 2007, 106, 1337-1342.	2.6	70
58	Effect of solution properties on nanofibrous structure of electrospun poly(lactic-co-glycolic acid). Journal of Applied Polymer Science, 2006, 99, 1214-1221.	2.6	68
59	Dual-crosslinked methylcellulose hydrogels for 3D bioprinting applications. Carbohydrate Polymers, 2020, 238, 116192.	10.2	66
60	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, 2006.	4.1	64
61	Hydrophilic bacterial polyesters modified with pendant hydroxyl groups. Polymer, 2000, 41, 1703-1709.	3.8	62
62	Electrospinning of ultrafine cellulose fibers and fabrication of poly(butylene succinate) biocomposites reinforced by them. Journal of Applied Polymer Science, 2008, 107, 1954-1959.	2.6	59
63	Epidermal cellular response to poly(vinyl alcohol) nanofibers containing silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2010, 78, 334-342.	5.0	59
64	Fabrication and characterization of TiO₂/poly(dimethyl siloxane) composite fibers with thermal and mechanical stability. Journal of Applied Polymer Science, 2010, 116, 449-454.	2.6	58
65	Property improvement of natural fiber-reinforced green composites by water treatment. Advanced Composite Materials, 2007, 16, 299-314.	1.9	57
66	Dual crosslinked alginate hydrogels by riboflavin as photoinitiator. International Journal of Biological Macromolecules, 2020, 154, 989-998.	7.5	57
67	Effect of nanofiber content on bone regeneration of silk fibroin/poly(ε-caprolactone) nano/microfibrous composite scaffolds. International Journal of Nanomedicine, 2015, 10, 485.	6.7	56
68	Chemically cross-linked silk fibroin hydrogel with enhanced elastic properties, biodegradability, and biocompatibility. International Journal of Nanomedicine, 2016, 11, 2967.	6.7	55
69	A New Synthetic Approach for Polybenzoxazole and Light-Induced Fluorescent Patterning on Its Film. Macromolecules, 2005, 38, 9427-9433.	4.8	53
70	Partially oxidized polyacrylonitrile nanofibrous membrane as aÂthermally stable separator for lithium ion batteries. Polymer, 2015, 68, 335-343.	3.8	53
71	Silk fibroin/hydroxyapatite composite hydrogel induced by gamma-ray irradiation for bone tissue engineering. Biomaterials Research, 2017, 21, 12.	6.9	52
72	Fabrication of zirconium carbide (ZrC) ultra-thin fibers by electrospinning. Materials Letters, 2008, 62, 1961-1964.	2.6	51

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73	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.	2.6	50
74	Preventing postoperative tissue adhesion using injectable carboxymethyl cellulose-pullulan hydrogels. International Journal of Biological Macromolecules, 2017, 105, 886-893.	7.5	50
75	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.	8.0	50
76	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.	5.8	49
77	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.	2.3	48
78	Preparation of porous ultra-fine fibres via selective thermal degradation of electrospun polyetherimide/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) fibres. Polymer Degradation and Stability, 2004, 86, 257-262.	5.8	47
79	Effects of PVA sponge containing chitooligosaccharide in the early stage of wound healing. Journal of Materials Science: Materials in Medicine, 2004, 15, 297-301.	3.6	46
80	Antimicrobial Silver Chloride Nanoparticles Stabilized with Chitosan Oligomer for the Healing of Burns. Materials, 2016, 9, 215.	2.9	46
81	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.	12.7	46
82	One-pot synthesis of injectable methylcellulose hydrogel containing calcium phosphate nanoparticles. Carbohydrate Polymers, 2017, 157, 775-783.	10.2	45
83	Effects of adhesion molecules on the behavior of osteoblast-like cells and normal human fibroblasts on different titanium surfaces. Journal of Biomedical Materials Research - Part A, 2005, 74A, 640-651.	4.0	44
84	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	44
85	Dual-crosslinked, self-healing and thermo-responsive methylcellulose/chitosan oligomer copolymer hydrogels. Carbohydrate Polymers, 2021, 258, 117705.	10.2	44
86	The effect of a laminin-5-derived peptide coated onto chitin microfibers on re-epithelialization in early-stage wound healing. Biomaterials, 2010, 31, 4725-4730.	11.4	43
87	Silk Fibroin Enhances Cytocompatibilty and Dimensional Stability of Alginate Hydrogels for Light-Based Three-Dimensional Bioprinting. Biomacromolecules, 2021, 22, 1921-1931.	5.4	43
88	Cure Behavior of an Epoxy-Anhydride-Imidazole System. Polymer Journal, 1996, 28, 407-411.	2.7	41
89	Relationships between antithrombogenicity and surface free energy of regenerated silk fibroin films. Fibers and Polymers, 2001, 2, 58-63.	2.1	41
90	Thermal stabilization of poly(3-hydroxybutyrate) by poly(glycidyl methacrylate). Journal of Applied Polymer Science, 2002, 83, 2945-2952.	2.6	41

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91	Mussel-inspired poly(Î³-glutamic acid)/nanosilicate composite hydrogels with enhanced mechanical properties, tissue adhesive properties, and skin tissue regeneration. Acta Biomaterialia, 2021, 123, 254-262.	8.3	41
92	Electrospraying of environmentally sustainable alginate microbeads for cosmetic additives. International Journal of Biological Macromolecules, 2019, 133, 278-283.	7.5	40
93	Fabrication and characterization of zirconium carbide (ZrC) nanofibers with thermal storage property. Thin Solid Films, 2009, 517, 6531-6538.	1.8	39
94	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, 1-10.	1.9	39
95	Effect of silk fibroin nanofibers containing silver sulfadiazine on wound healing. International Journal of Nanomedicine, 2014, 9, 5277.	6.7	39
96	A study on isothermal cure behavior of an epoxy-rich/anhydride system by differential scanning calorimetry. Journal of Applied Polymer Science, 1998, 67, 1101-1108.	2.6	38
97	Interfacial shear strength and thermal properties of electron beam-treated henequen fibers reinforced unsaturated polyester composites. Macromolecular Research, 2005, 13, 453-459.	2.4	38
98	Nanoscale Silver-Based Al-Doped ZnO Multilayer Transparent-Conductive Oxide Films. Journal of the Electrochemical Society, 2009, 156, J215.	2.9	38
99	Effect of methylcellulose on the formation and drug release behavior of silk fibroin hydrogel. Carbohydrate Polymers, 2013, 98, 1179-1185.	10.2	38
100	Fluorescent Property of Chitosan Oligomer and Its Application as a Metal Ion Sensor. Marine Drugs, 2017, 15, 105.	4.6	38
101	Residual charge and filtration efficiency of polycarbonate fibrous membranes prepared by electrospinning. Journal of Applied Polymer Science, 2015, 132, .	2.6	37
102	Preparation of porous ultra-fine poly(vinyl cinnamate) fibers. Materials Letters, 2005, 59, 3558-3562.	2.6	36
103	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.	5.8	36
104	Hydrolysis of oxidized polyacrylonitrile nanofibrous webs and selective adsorption of harmful heavy metal ions. Polymer Degradation and Stability, 2017, 143, 207-213.	5.8	34
105	Enzymatically Cross-Linked Poly(Î³-glutamic acid) Hydrogel with Enhanced Tissue Adhesive Property. ACS Biomaterials Science and Engineering, 2020, 6, 3103-3113.	5.2	34
106	Effect of Side Chains on the Thermal Degradation of Poly(3-hydroxyalkanoates). Macromolecular Chemistry and Physics, 2001, 202, 1257-1261.	2.2	33
107	Hyaluronic acid/tannic acid hydrogel sunscreen with excellent anti-UV, antioxidant, and cooling effects. International Journal of Biological Macromolecules, 2021, 191, 918-924.	7.5	33
108	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, 90-95.	5.0	31

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109	Simple Technique for Spatially Separated Nanofibers/Nanobeads by Multinozzle Electrospinning toward White-Light Emission. ACS Applied Materials & Interfaces, 2013, 5, 6038-6044.	8.0	31
110	Basic fibroblast growth factor-encapsulated PCL nano/microfibrous composite scaffolds for bone regeneration. Polymer, 2015, 76, 8-16.	3.8	31
111	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.	2.4	30
112	Effect of surfactants on solâ€“gel transition of silk fibroin. Journal of Sol-Gel Science and Technology, 2014, 71, 364-371.	2.4	30
113	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.	2.9	30
114	Robust methylcellulose hydrogels reinforced with chitin nanocrystals. Carbohydrate Polymers, 2019, 213, 311-319.	10.2	30
115	Preparation and Structural Investigation of Novel Î²-Chitin Nanocrystals from Cuttlefish Bone. ACS Biomaterials Science and Engineering, 2019, 5, 1744-1752.	5.2	30
116	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.	0.3	30
117	Î±3Î²1 integrin promotes cell survival via multiple interactions between 14-3-3 isoforms and proapoptotic proteins. Experimental Cell Research, 2009, 315, 3187-3200.	2.6	29
118	Thermal and mechanical properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) plasticized by biodegradable soybean oils. Macromolecular Symposia, 2003, 197, 65-76.	0.7	27
119	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.	9.4	27
120	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.	3.7	26
121	Effect of photoinitiator on chain degradation of hyaluronic acid. Biomaterials Research, 2019, 23, 21.	6.9	26
122	Electrospinning and dual crosslinking of water-soluble silk fibroin modified with glycidyl methacrylate. Polymer Degradation and Stability, 2020, 179, 109304.	5.8	26
123	Preparation and characterization of polyaniline nanofiber webs by template reaction with electrospun silica nanofibers. Thin Solid Films, 2005, 477, 233-239.	1.8	25
124	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.	7.5	25
125	Epoxidation of bacterial polyesters with unsaturated side chains: IV. Thermal degradation of initial and epoxidized polymers. Polymer Degradation and Stability, 1999, 63, 287-291.	5.8	24
126	Morphological and permeable properties of antibacterial double-layered composite nonwovens consisting of microfibers and nanofibers. Composites Part B: Engineering, 2015, 75, 256-263.	12.0	24

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127	Supramolecular Carbon Monoxideâ€Releasing Peptide Hydrogel Patch. Advanced Functional Materials, 2018, 28, 1803051.	14.9	23
128	Fabrication of YBa2Cu3O7â˜Îsuperconducting nanofibres by electrospinning. Superconductor Science and Technology, 2006, 19, 1264-1268.	3.5	22
129	Cobalt Ionâ€Mediated Cysteine Detection With a Hyperbranched Conjugated Polyelectrolyte as a New Sensing Platform. Macromolecular Rapid Communications, 2012, 33, 1510-1516.	3.9	22
130	Modification and optimization of electrospun gelatin sheets by electron beam irradiation for soft tissue engineering. Biomaterials Research, 2017, 21, 14.	6.9	22
131	Fluorescent property of glycol chitosan-fluorescein isothiocyanate conjugate for bio-imaging material. International Journal of Biological Macromolecules, 2019, 135, 1217-1221.	7.5	22
132	The effects of chitin/chitosan nanowhiskers on the thermal, mechanical and dye adsorption properties of electrospun PVA nanofibrous membranes. Cellulose, 2020, 27, 5771-5783.	4.9	22
133	Epoxidation of bacterial polyesters with unsaturated side chains. II. Rate of epoxidation and polymer properties. Journal of Polymer Science Part A, 1998, 36, 2381-2387.	2.3	21
134	Epoxidized polybutadiene as a thermal stabilizer for poly(3-hydroxybutyrate). II. Thermal stabilization of poly(3-hydroxybutyrate) by epoxidized polybutadiene. Fibers and Polymers, 2003, 4, 195-198.	2.1	21
135	Antimicrobial activity of cellulose-based nanofibers with different Ag phases. Materials Letters, 2014, 116, 146-149.	2.6	21
136	Effect of pH and precursor salts on in situ formation of calcium phosphate nanoparticles in methylcellulose hydrogel. Carbohydrate Polymers, 2018, 191, 176-182.	10.2	21
137	3D Printing of Boneâ€Mimetic Scaffold Composed of Gelatin/Î²â€Triâ€Calcium Phosphate for Bone Tissue Engineering. Macromolecular Bioscience, 2020, 20, e2000256.	4.1	21
138	Epoxidation of bacterial polyesters with unsaturated side chains. III. Crosslinking of epoxidized polymers. Journal of Polymer Science Part A, 1998, 36, 2389-2396.	2.3	20
139	Synthesis and electrostatic multilayer assembly of an acridine-containing polymer with properties of an optical sensor. Macromolecular Rapid Communications, 2000, 21, 951-955.	3.9	20
140	Surface Characteristics of Plasma-Treated PLGA Nanofibers. Macromolecular Symposia, 2007, 249-250, 103-108.	0.7	20
141	Electrospinning of poly(dimethyl siloxane) by solâ€“gel method. Journal of Applied Polymer Science, 2009, 114, 3870-3874.	2.6	20
142	Green synthesis and antimicrobial activity of silver chloride nanoparticles stabilized with chitosan oligomer. Journal of Materials Science: Materials in Medicine, 2014, 25, 2629-2638.	3.6	20
143	Breathable properties of mâ€Aramid nanofibrous membrane with high thermal resistance. Journal of Applied Polymer Science, 2015, 132, .	2.6	20
144	Gelation Behaviors and Mechanism of Silk Fibroin According to the Addition of Nitrate Salts. International Journal of Molecular Sciences, 2016, 17, 1697.	4.1	20

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145	Extracellular degradation of medium chain length poly(Î²-hydroxyalkanoates) by Comamonas sp.. International Journal of Biological Macromolecules, 1999, 25, 135-143.	7.5	19
146	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.	1.9	19
147	Hydrophobization of silk fibroin nanofibrous membranes by fluorocarbon plasma treatment to modulate cell adhesion and proliferation behavior. Macromolecular Research, 2014, 22, 746-752.	2.4	19
148	Thermal, mechanical, impact, and water absorption properties of novel silk fibroin fiber reinforced poly(butylene succinate) biocomposites. Macromolecular Research, 2016, 24, 734-740.	2.4	19
149	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.	3.3	18
150	Formation of Ag nanoparticles in PVA solution and catalytic activity of their electrospun PVA nanofibers. Fibers and Polymers, 2015, 16, 840-849.	2.1	18
151	Small diameter vascular graft with fibroblast cells and electrospun poly (L-lactide-co-Îµ-caprolactone) scaffolds: Cell Matrix Engineering. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 942-959.	3.5	18
152	Epoxidation of bacterial polyesters with unsaturated side chains V. Effect of crosslinking on thermal degradation of epoxidized polymers. Polymer Degradation and Stability, 1999, 65, 137-142.	5.8	17
153	Effect of Solvent on the Characteristics of Electrospun Regenerated Silk Fibroin Nanofibers. Key Engineering Materials, 0, 342-343, 813-816.	0.4	17
154	Preparation of inorganic silica nanofibers containing silver nanoparticles. Fibers and Polymers, 2007, 8, 591-600.	2.1	17
155	Fabrication and Characterization of Cellulose Acetate/Montmorillonite Composite Nanofibers by Electrospinning. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	17
156	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.	5.9	17
157	Multifunctional and thermoresponsive methylcellulose composite hydrogels with photothermal effect. Carbohydrate Polymers, 2022, 277, 118834.	10.2	17
158	Synthesis of polyhydroxybenzoxazole-based colorimetric chemosensor for anionic species. Materials Science and Engineering C, 2004, 24, 261-264.	7.3	16
159	Synthesis of polyquinoline ether and its optical sensor property in the presence of metal cations. Journal of Polymer Science Part A, 2002, 40, 1831-1837.	2.3	15
160	Metal-induced optical sensing and optical switching in poly(pyridyl phenylene). Journal of Polymer Science Part A, 2004, 42, 2444-2450.	2.3	15
161	Highly hydrophobic nanofibrous surfaces genearated by poly(vinylidene fluoride). Fibers and Polymers, 2013, 14, 1271-1275.	2.1	15
162	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.	7.0	15

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163	Aliphatic Polyester-Based Biodegradable Microbeads for Sustainable Cosmetics. ACS Biomaterials Science and Engineering, 2020, 6, 2440-2449.	5.2	15
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