Pitt Supaphol

List of Publications by Year in Descending Order

234 papers	12,306 citations	63 h-index	102 g-index
240 ext. papers	13,177 ext. citations	3.9 avg, IF	6.6 L-index

#	Paper	IF	Citations
234	Development of thermoresponsive poloxamer in situ gel loaded with gentamicin sulfate for cavity wounds. *Journal of Polymer Research*, **2021**, 28, 1	2.7	2
233	Development and characterization of antibacterial hydroxyapatite coated with mangosteen extract for bone tissue engineering. *Polymer Bulletin*, **2021**, 78, 3543-3559	2.4	4
232	Gelatin scaffolds loaded with asiaticoside/2-hydroxypropyl-β-cyclodextrin complex for use as wound dressings. *Polymers for Advanced Technologies*, **2021**, 32, 1187-1193	3.2	1
231	Surface immobilization of PCL electrospun nanofibers with pexiganan for wound dressing. *Journal of Polymer Research*, **2021**, 28, 1	2.7	3
230	Wound-aided semi-solid poly(vinyl alcohol) hydrogels incorporating essential oil-loaded chitosan nanoparticles. *International Journal of Biological Macromolecules*, **2021**, 189, 135-141	7.9	3
229	Adsorption study of bovine serum albumin onto multiwalled carbon nanotubes. *Materials Today: Proceedings*, **2020**, 33, 1814-1818	1.4	
228	The potential use of cross-linked alginate/gelatin hydrogels containing silver nanoparticles for wound dressing applications. *Polymer Bulletin*, **2020**, 77, 2679-2695	2.4	10
227	Development of bacterial cellulose/alginate/chitosan composites incorporating copper (II) sulfate as an antibacterial wound dressing. *Journal of Drug Delivery Science and Technology*, **2019**, 51, 662-671	4.5	46
226	Development of gelatin hydrogel pads incorporated with Eupatorium adenophorum essential oil as antibacterial wound dressing. *Polymer Bulletin*, **2019**, 76, 701-724	2.4	17
225	Development of antituberculosis melt-blown polypropylene filters coated with mangosteen extracts for medical face mask applications. *Polymer Bulletin*, **2019**, 76, 1985-2004	2.4	16
224	Semi-solid poly(vinyl alcohol) hydrogels containing ginger essential oil encapsulated in chitosan nanoparticles for use in wound management. *Journal of Polymer Research*, **2019**, 26, 1	2.7	10
223	Cyclic tensile force-upregulated IL6 increases MMP3 expression by human periodontal ligament cells. *Archives of Oral Biology*, **2019**, 107, 104495	2.8	9
222	The use of electrospun curcumin-loaded poly(L-lactic acid) fiber mats as wound dressing materials. *Journal of Drug Delivery Science and Technology*, **2019**, 53, 101121	4.5	31
221	Green synthesis of photomediated silver nanoprisms via a light-induced transformation reaction and silver nanoprism-impregnated bacteria cellulose films for use as antibacterial wound dressings. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101305	4.5	7
220	Synthesis of Cationic Waterborne Polyurethanes from Waste Frying Oil as Antibacterial Film Coatings. *International Journal of Polymer Science*, **2019**, 2019, 1-11	2.4	1
219	Cyclic tensile force stimulates BMP9 synthesis and in vitro mineralization by human periodontal ligament cells. *Journal of Cellular Physiology*, **2019**, 234, 4528-4539	7	11
218	The potential use of gentamicin sulfate-loaded poly(l-lactic acid)-sericin hybrid scaffolds for bone tissue engineering. *Polymer Bulletin*, **2019**, 76, 2867-2885	2.4	4

217	Electrospinning: a carbonized gold/graphene/PAN nanofiber for high performance biosensing. *Analytical Methods*, **2018**, 10, 874-883	3.2	12
216	Preparation and characterization of electrospun polyacrylonitrile fiber mats containing Garcinia mangostana. *Polymer Bulletin*, **2018**, 75, 1311-1327	2.4	10
215	Protein adsorption and cell behaviors on polycaprolactone film: The effect of surface topography. *Advances in Polymer Technology*, **2018**, 37, 2030-2042	1.9	25
214	Carbonized electrospun polyvinylpyrrolidone/metal hybrid nanofiber composites for electrochemical applications. *Journal of Applied Polymer Science*, **2018**, 135, 45639	2.9	4
213	Proton Exchange Membrane Based on Sulfonated Poly (Aromatic Imide-Co-Aliphatic Imide) for Direct Methanol Fuel Cell. *Materials Research*, **2018**, 21,	1.5	8
212	Silver nanoparticles-based hydrogel: Characterization of material parameters for pressure ulcer dressing applications. *Journal of Drug Delivery Science and Technology*, **2018**, 44, 91-100	4.5	34
211	Enhancement of biocompatibility on aligned electrospun poly(3-hydroxybutyrate) scaffold immobilized with laminin towards murine neuroblastoma Neuro2a cell line and rat brain-derived neural stem cells (mNSCs). *Polymers for Advanced Technologies*, **2018**, 29, 2050-2063	3.2	10
210	Preparation of mangosteen extract-loaded poly(vinyl acetate) for use as an antibacterial spray-on dressing. *Journal of Drug Delivery Science and Technology*, **2018**, 46, 322-329	4.5	14
209	Hydrogel wound dressings loaded with PLGA/ciprofloxacin hydrochloride nanoparticles for use on pressure ulcers. *Journal of Drug Delivery Science and Technology*, **2018**, 47, 106-114	4.5	16
208	Rotating-disk electrospinning: needleless electrospinning of poly(caprolactone), poly(lactic acid) and poly(vinyl alcohol) nanofiber mats with controlled morphology. *Journal of Polymer Research*, **2018**, 25, 1	2.7	17
207	Preparation, characterization and biocompatibility of poly(vinyl alcohol) films containing tetracycline hydrochloride-loaded quaternized chitosan nanoparticles. *Journal of Drug Delivery Science and Technology*, **2017**, 38, 36-44	4.5	22
206	Fabrication and Evaluation of Polycaprolactone/Poly(hydroxybutyrate) or Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) Dual-Leached Porous Scaffolds for Bone Tissue Engineering Applications. *Macromolecular Materials and Engineering*, **2017**, 302, 1600289	3.9	19
205	Gelatin scaffolds functionalized by silver nanoparticle-containing calcium alginate beads for wound care applications. *Polymers for Advanced Technologies*, **2017**, 28, 849-858	3.2	9
204	Electrospinning and solid state polymerization: A simple and versatile route to conducting PEDOT composite films. *European Polymer Journal*, **2017**, 96, 452-462	5.2	6
203	Effect of the surface topography and chemistry of poly(3-hydroxybutyrate) substrates on cellular behavior of the murine neuroblastoma Neuro2a cell line. *Polymer Bulletin*, **2017**, 74, 4101-4118	2.4	14
202	Antimicrobial mangosteen extract infused alginate-coated gauze wound dressing. *Journal of Drug Delivery Science and Technology*, **2017**, 41, 182-190	4.5	18
201	Performance of Electropun Polyacrylonitrile Nanofibrous Phases, Shown for the Separation of Water-Soluble Food Dyes via UTLC-Vis-ESI-MS. *Nanomaterials*, **2017**, 7,	5.4	4
200	Experimental investigation on process parameters of near-field deposition of electrospinning-based rapid prototyping. *Virtual and Physical Prototyping*, **2016**, 11, 193-207	10.1	8

199	The efficacy of polycaprolactone/hydroxyapatite scaffold in combination with mesenchymal stem cells for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 264-71	5.4	52
198	Applications of Cellulose Acetate Nanofiber Mats **2015**, 355-368		4
197	Silk sericin loaded alginate nanoparticles: Preparation and anti-inflammatory efficacy. *International Journal of Biological Macromolecules*, **2015**, 80, 636-43	7.9	28
196	Development of an electrospinning-based rapid prototyping for scaffold fabrication. *Rapid Prototyping Journal*, **2015**, 21, 329-339	3.8	15
195	Environmental effects in fibre fabrication using electrospinning-based rapid prototyping. *Virtual and Physical Prototyping*, **2015**, 10, 227-237	10.1	8
194	Development of silver nanoparticles-loaded calcium alginate beads embedded in gelatin scaffolds for use as wound dressings. *Polymer International*, **2015**, 64, 275-283	3.3	26
193	Electrospinnability of poly(butylene succinate): Effects of solvents and organic salt on the fiber size and morphology. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	18
192	Electrospun crosslinked poly(acrylic acid) fiber constructs: towards a synthetic model of the cortical layer of nerve. *Polymer International*, **2015**, 64, 42-48	3.3	22
191	Electrospun poly(l-lactic acid) fiber mats containing crude Garcinia mangostana extracts for use as wound dressings. *Polymer Bulletin*, **2014**, 71, 925-949	2.4	20
190	Hydrogels containing silver nanoparticles for burn wounds show antimicrobial activity without cytotoxicity. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	52
189	Preparation and characterization of silver nanoparticles-loaded calcium alginate beads embedded in gelatin scaffolds. *AAPS PharmSciTech*, **2014**, 15, 1105-15	3.9	21
188	Development of a disposable electrode modified with carbonized, graphene-loaded nanofiber for the detection of dopamine in human serum. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	8
187	Gamma irradiation synthesis and characterization of AgNP/gelatin/PVA hydrogels for antibacterial wound dressings. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	15
186	Electrically Conductive Ultrafine Fibers of PVA-PEDOT/PSS and PVA-AgNPs by Means of Electrospinning. *Advanced Materials Research*, **2014**, 1033-1034, 1024-1035	0.5	2
185	Novel copper (II) alginate hydrogels and their potential for use as anti-bacterial wound dressings. *Biomedical Materials (Bristol)*, **2014**, 9, 045008	3.5	46
184	Surface modification of electrospun chitosan nanofibrous mats for antibacterial activity. *Journal of Applied Polymer Science*, **2014**, 131,	2.9	18
183	Development and characterization of a novel, antimicrobial, sterile hydrogel dressing for burn wounds: single-step production with gamma irradiation creates silver nanoparticles and radical polymerization. *Journal of Pharmaceutical Sciences*, **2014**, 103, 3244-53	3.9	40
182	Polypyrrole-coated electrospun poly(lactic acid) fibrous scaffold: effects of coating on electrical conductivity and neural cell growth. *Journal of Biomaterials Science, Polymer Edition*, **2014**, 25, 1240-52	3.5	43

181	The Study of Competitive Adsorption of Heavy Metal Ions from Aqueous Solution by Aminated Polyacrylonitrile Nanofiber Mats. *Energy Procedia*, **2014**, 56, 142-151	2.3	83
180	The responses of human adipose-derived mesenchymal stem cells on polycaprolactone-based scaffolds: an in vitro study. *Tissue Engineering and Regenerative Medicine*, **2014**, 11, 239-246	4.5	20
179	Antimicrobial efficacy of a novel silver hydrogel dressing compared to two common silver burn wound dressings: Acticoat and PolyMem Silver( ). *Burns*, **2014**, 40, 89-96	2.3	91
178	Preparation of bioactive glycosylated glial cell-line derived neurotrophic factor-loaded microspheres for medical applications. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	5
177	Hybrid biomimetic electrospun fibrous mats derived from poly(caprolactone) and silk fibroin protein for wound dressing application. *Journal of Applied Polymer Science*, **2014**, 132, n/a-n/a	2.9	10
176	Electrospun DOXY-h loaded-poly(acrylic acid) nanofiber mats: in vitro drug release and antibacterial properties investigation. *Journal of Biomaterials Science, Polymer Edition*, **2014**, 25, 1292-305	3.5	30
175	Silver nanoparticle-embedded poly(vinyl pyrrolidone) hydrogel dressing: gamma-ray synthesis and biological evaluation. *Journal of Biomaterials Science, Polymer Edition*, **2014**, 25, 826-42	3.5	17
174	Conductive Nanocomposite Aligned Fibers of PVA-AgNPs-PEDOT/PSS. *Advanced Materials Research* , **2014**, 1033-1034, 1009-1019	0.5	
173	Characterization and cytological effects of a novel glycated gelatine substrate. *Biomedical Materials (Bristol)*, **2014**, 9, 025001	3.5	6
172	Improvement of dual-leached polycaprolactone porous scaffolds by incorporating with hydroxyapatite for bone tissue regeneration. *Journal of Biomaterials Science, Polymer Edition*, **2014**, 25, 1986-2008	3.5	23
171	Development of polycaprolactone porous scaffolds by combining solvent casting, particulate leaching, and polymer leaching techniques for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 3379-3392	5.4	108
170	Electrospinning of Asiaticoside/2-Hydroxypropyl- cyclodextrin Inclusion Complex-loaded Cellulose Acetate Fiber Mats: Release Characteristics and Potential for Use as Wound Dressing. *Porrime*, **2014** , 38, 338-350	1	5
169	Development of polycaprolactone porous scaffolds by combining solvent casting, particulate leaching, and polymer leaching techniques for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 3379-92	5.4	26
168	Preparation and characterization of electrospun poly(vinyl alcohol) nanofibers containing platinum or platinum-ruthenium nanoparticles. *Journal of Polymer Research*, **2013**, 20, 1	2.7	11
167	Modification of disposable screen-printed carbon electrode surfaces with conductive electrospun nanofibers for biosensor applications. *Journal of Applied Polymer Science*, **2013**, 130, n/a-n/a	2.9	4
166	Electrospun nanofiber layers with incorporated photoluminescence indicator for chromatography and detection of ultraviolet-active compounds. *Journal of Chromatography A*, **2013**, 1299, 110-7	4.5	26
165	Process optimization of electrospun silk fibroin fiber mat for accelerated wound healing. *Journal of Applied Polymer Science*, **2013**, 130, 3634-3644	2.9	36
164	Effects of copolymer microstructure on the properties of electrospun poly(l-lactide-co- caprolactone) absorbable nerve guide tubes. *Journal of Applied Polymer Science*, **2013**, 130, n/a-n/a	2.9	5

163	Hydroxyapatite/ovalbumin composite particles as model protein carriers for bone tissue engineering: I. Synthesis and characterization. *Materials Science and Engineering C*, **2012**, 32, 758-762	8.3	11
162	Polydiphenylamine-polyethylene oxide blends as methanol sensing materials. *Advances in Polymer Technology*, **2012**, 31, 401-413	1.9	10
161	In vitro efficacy and toxicology evaluation of silver nanoparticle-loaded gelatin hydrogel pads as antibacterial wound dressings. *Journal of Applied Polymer Science*, **2012**, 124, 1668-1682	2.9	40
160	Effects of processing parameters on morphology of electrospun polystyrene nanofibers. *Korean Journal of Chemical Engineering*, **2012**, 29, 173-181	2.8	40
159	Preparation and characterization of caffeic acid-grafted electrospun poly(L-lactic acid) fiber mats for biomedical applications. *ACS Applied Materials & Interfaces*, **2012**, 4, 3031-40	9.5	28
158	Electrospun poly(L-lactic acid) fiber mats containing a crude Garcinia cowa extract for wound dressing applications. *Journal of Polymer Research*, **2012**, 19, 1	2.7	12
157	Effects of Magnesium and Zirconium Dopants on Characteristics of Titanium(IV) Oxide Fibers Prepared by Combined Sol□Gel and Electrospinning Techniques. *Industrial & Engineering Chemistry Research*, **2011**, 50, 8042-8049	3.9	11
156	Preparation of Hydrolyzed Electrospun Polyacrylonitrile Fiber Mats as Chelating Substrates: A Case Study on Copper(II) Ions. *Industrial & Engineering Chemistry Research*, **2011**, 50, 11912-11921	3.9	49
155	Tuning hydrophobicity and water adhesion by electrospinning and silanization. *Langmuir*, **2011**, 27, 3654-61	4	47
154	Biologically inspired hierarchical design of nanocomposites based on poly(ethylene oxide) and cellulose nanofibers. *Macromolecular Rapid Communications*, **2011**, 32, 1367-72	4.8	24
153	Effect of the surface topography of electrospun poly(□caprolactone)/poly(3-hydroxybuterate-co-3-hydroxyvalerate) fibrous substrates on cultured bone cell behavior. *Langmuir*, **2011**, 27, 10938-46	4	19
152	Electrospinning of Biocompatible Polymers and Their Potentials in Biomedical Applications. *Advances in Polymer Science*, **2011**, 213-239	1.3	47
151	Preparation and characterization of asiaticoside-loaded alginate films and their potential for use as effectual wound dressings. *Carbohydrate Polymers*, **2011**, 83, 1457-1469	10.3	117
150	Use of 2-hydroxypropyl-□cyclodextrin as adjuvant for enhancing encapsulation and release characteristics of asiaticoside within and from cellulose acetate films. *Carbohydrate Polymers*, **2011**, 85, 251-260	10.3	11
149	Improvement of Hydrophilic Properties on Electrospun Polyacrylonitrile Fabrics Surface by Plasma Treatment. *Advanced Materials Research*, **2011**, 213, 103-106	0.5	
148	Preparation and adsorption behavior of aminated electrospun polyacrylonitrile nanofiber mats for heavy metal ion removal. *ACS Applied Materials & Interfaces*, **2010**, 2, 3619-27	9.5	294
147	Thermal stability of isotactic polypropylene modified with calcium carbonate nanoparticles. *Polymer Bulletin*, **2010**, 64, 783-790	2.4	22
146	Preparation and characterization of chitosan-hydroxybenzotriazole/polyvinyl alcohol blend nanofibers by the electrospinning technique. *Carbohydrate Polymers*, **2010**, 81, 675-680	10.3	85

145	Fibrous zinc oxide prepared by combined electrospinning and solvothermal techniques. *Ceramics International*, **2010**, 36, 357-363	5.1	31
144	Fabrication and characterization of neat and aluminium-doped titanium (IV) oxide fibers prepared by combined sol–gel and electrospinning techniques. *Ceramics International*, **2010**, 36, 2055-2061	5.1	9
143	Effect of gamma radiation on dilute aqueous solutions and thin films of N-succinyl chitosan. *Polymer Degradation and Stability*, **2010**, 95, 234-244	4.7	28
142	Preparation of poly(vinyl alcohol)/tin glycolate composite fibers by combined sol–gel/electrospinning techniques and their conversion to ultrafine tin oxide fibers. *Materials Chemistry and Physics*, **2010**, 119, 175-181	4.4	5
141	Polycaprolactone/hydroxyapatite composite scaffolds: preparation, characterization, and in vitro and in vivo biological responses of human primary bone cells. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 241-51	5.4	132
140	In vitro biological evaluation of electrospun cellulose acetate fiber mats containing asiaticoside or curcumin. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 1216-25	5.4	17
139	Preparation, characterization, and antibacterial properties of electrospun polyacrylonitrile fibrous membranes containing silver nanoparticles. *Journal of Applied Polymer Science*, **2010**, 116, NA-NA	2.9	16
138	Preparation and properties of chitin-whisker-reinforced hyaluronan–gelatin nanocomposite scaffolds. *Journal of Applied Polymer Science*, **2010**, 117, n/a-n/a	2.9	11
137	Electrospinning of food-grade nanofibers from cellulose acetate and egg albumen blends. *Journal of Food Engineering*, **2010**, 98, 370-376	6	155
136	Melt rheology and extrudate swell of sodium chloride-filled low-density polyethylene: Effects of content and size of salt particles. *Polymer Testing*, **2010**, 29, 188-195	4.5	13
135	In vitro biocompatibility of electrospun and solvent-cast chitosan substrata towards Schwann, osteoblast, keratinocyte and fibroblast cells. *European Polymer Journal*, **2010**, 46, 428-440	5.2	52
134	Wet-spun alginate/chitosan whiskers nanocomposite fibers: Preparation, characterization and release characteristic of the whiskers. *Carbohydrate Polymers*, **2010**, 79, 738-746	10.3	79
133	X-ray diffraction and dynamic mechanical analyses of chitin whisker-reinforced poly(vinyl alcohol) nanocomposite nanofibers. *Polymer International*, **2010**, 59, 85-91	3.3	50
132	A review on wound dressings with an emphasis on electrospun nanofibrous polymeric bandages. *Polymers for Advanced Technologies*, **2010**, 21, 77-95	3.2	501
131	Carbendazim-loaded electrospun poly(vinyl alcohol) fiber mats and release characteristics of carbendazim therefrom. *Polymers for Advanced Technologies*, **2010**, 22, n/a-n/a	3.2	7
130	Morphology, release characteristics, and antimicrobial effect of nisin-loaded electrospun gelatin fiber mat. *Journal of Food Protection*, **2009**, 72, 2293-300	2.5	23
129	Novel chitosan-spotted alginate fibers from wet-spinning of alginate solutions containing emulsified chitosan-citrate complex and their characterization. *Biomacromolecules*, **2009**, 10, 320-7	6.9	59
128	Gallic Acid-Loaded Electrospun Poly(L-Lactic Acid) Fiber Mats and their Release Characteristic. *Macromolecular Chemistry and Physics*, **2009**, 210, 814-822	2.6	42

127	Development of gelatin hydrogel pads as antibacterial wound dressings. *Macromolecular Bioscience*, **2009**, 9, 1004-15	5.5	63
126	Stochastic simulation for morphological development during the isothermal crystallization of semicrystalline polymers: A case study of syndiotactic polypropylene. *Journal of Applied Polymer Science*, **2009**, 111, 2260-2268	2.9	6
125	Electrospun poly(L-lactic acid)/hydroxyapatite composite fibrous scaffolds for bone tissue engineering. *Polymer International*, **2009**, 59, n/a-n/a	3.3	4
124	Versatile route for tuning optical properties of poly(2-methoxy-5-(2?-ethylhexyloxy)-1,4-phenylenevinylene). *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 696-705	2.6	3
123	Electrospun 1,6-diisocyanatohexane-extended poly(1,4-butylene succinate) fiber mats and their potential for use as bone scaffolds. *Polymer*, **2009**, 50, 1548-1558	3.9	31
122	Aliphatic lipid substitution on 2 kDa polyethylenimine improves plasmid delivery and transgene expression. *Molecular Pharmaceutics*, **2009**, 6, 1798-815	5.6	117
121	Development of meloxicam-loaded electrospun polyvinyl alcohol mats as a transdermal therapeutic agent. *Pharmaceutical Development and Technology*, **2009**, 14, 70-9	3.4	58
120	Biodegradable alginate microparticles developed by electrohydrodynamic spraying techniques for oral delivery of protein. *Journal of Microencapsulation*, **2009**, 26, 563-70	3.4	62
119	Immobilization of biomolecules on the surface of electrospun polycaprolactone fibrous scaffolds for tissue engineering. *ACS Applied Materials & Interfaces*, **2009**, 1, 1076-85	9.5	130
118	Electrospun gelatin fiber mats containing a herbal-Centella asiatica-extract and release characteristic of asiaticoside. *Nanotechnology*, **2008**, 19, 015102	3.4	63
117	Extraction and electrospinning of gelatin from fish skin. *International Journal of Biological Macromolecules*, **2008**, 42, 247-55	7.9	122
116	Isotactic Poly(propylene)/Wood Sawdust Composite: Effects of Natural Weathering, Water Immersion, and Gamma-Ray Irradiation on Mechanical Properties. *Macromolecular Symposia*, **2008**, 264, 59-66	0.8	7
115	Miscibility, Isothermal Crystallization/Melting Behavior and Morphology of Poly(Trimethylene Terephthalate)/Poly(Buthylene Terephthalate) Blends. *Advances in Science and Technology*, **2008**, 54, 243-248	0.1	2
114	Preparation of Ultrafine TiO2 Nanofibers and their Application in Removal of NOx in Air. *Materials Science Forum*, **2008**, 569, 25-28	0.4	5
113	Preparation and Physico-Chemical Characteristics of N-Maleoyl Chitosan Films. *Macromolecular Symposia*, **2008**, 264, 121-126	0.8	5
112	Effectual drug-releasing porous scaffolds from 1,6-diisocyanatohexane-extended poly(1,4-butylene succinate) for bone tissue regeneration. *Polymer*, **2008**, 49, 2678-2685	3.9	23
111	Electrospun cellulose acetate fiber mats containing asiaticoside or Centella asiatica crude extract and the release characteristics of asiaticoside. *Polymer*, **2008**, 49, 4239-4247	3.9	81
110	Wound-dressing materials with antibacterial activity from electrospun gelatin fiber mats containing silver nanoparticles. *Polymer*, **2008**, 49, 4723-4732	3.9	441

109	Electrospun dextran fibrous membranes. *Cellulose*, **2008**, 15, 435-444	5.5	31
108	Morphology and Photophysical Properties of Electrospun Light-Emitting Polystyrene/Poly(p-phenylene ethynylene) Fibers. *Macromolecular Materials and Engineering*, **2008**, 293, 952-963	3.9	6
107	On the electrospinning of poly(vinyl alcohol) nanofiber mats: A revisit. *Journal of Applied Polymer Science*, **2008**, 108, 969-978	2.9	114
106	Fabrication, structure, and properties of chitin whisker-reinforced alginate nanocomposite fibers. *Journal of Applied Polymer Science*, **2008**, 110, 890-899	2.9	100
105	Melt rheology and extrudate swell of titanium (IV) oxide nanoparticle-filled isotactic polypropylene: Effects of content and surface characteristics. *Polymer Testing*, **2008**, 27, 951-956	4.5	25
104	In vitro biocompatibility of electrospun hexanoyl chitosan fibrous scaffolds towards human keratinocytes and fibroblasts. *European Polymer Journal*, **2008**, 44, 2060-2067	5.2	47
103	Development of polyelectrolyte multilayer-coated electrospun cellulose acetate fiber mat as composite membranes. *European Polymer Journal*, **2008**, 44, 3963-3968	5.2	28
102	Preparation of Ultra-Fine Silica Fibers Using Electrospun Poly(Vinyl Alcohol)/Silatrane Composite Fibers as Precursor. *Journal of the American Ceramic Society*, **2008**, 91, 2830-2835	3.8	20
101	Electrospun poly(vinyl alcohol) fiber mats as carriers for extracts from the fruit hull of mangosteen. *Journal of Cosmetic Science*, **2008**, 59, 233-42	0.7	23
100	In vitro biocompatibility of schwann cells on surfaces of biocompatible polymeric electrospun fibrous and solution-cast film scaffolds. *Biomacromolecules*, **2007**, 8, 1587-94	6.9	91
99	Preparation of electrospun silk fibroin fiber mats as bone scaffolds: a preliminary study. *Biomedical Materials (Bristol)*, **2007**, 2, 181-8	3.5	75
98	Osteoblastic phenotype expression of MC3T3-E1 cultured on electrospun polycaprolactone fiber mats filled with hydroxyapatite nanoparticles. *Biomacromolecules*, **2007**, 8, 2602-10	6.9	119
97	Preparation and Characterization of Polycaprolactone/Diclofenac Sodium and Poly(vinyl alcohol)/Tetracycline Hydrochloride Fiber Mats and Their Release of the Model Drugs. *Polymer Journal*, **2007**, 39, 369-378	2.7	32
96	Effect of casting solvent on characteristics of hexanoyl chitosan/polylactide blend films. *Journal of Applied Polymer Science*, **2007**, 105, 1844-1852	2.9	14
95	Color Change of Electrospun Polystyrene/MEH-PPV Fibers from Orange to Yellow through Partial Decomposition of MEH Side Groups. *Macromolecular Rapid Communications*, **2007**, 28, 651-659	4.8	36
94	Removal of solvent-based ink from printed surface of high-density polyethylene bottles by alkyltrimethylammonium bromides: Effects of pH, temperature, and salinity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 297, 163-171	5.1	10
93	In vitro biocompatibility evaluations of hexanoyl chitosan film. *Carbohydrate Polymers*, **2007**, 68, 166-172	10.3	39
92	Non-isothermal melt-crystallization and mechanical properties of titanium(IV) oxide nanoparticle-filled isotactic polypropylene. *Polymer Testing*, **2007**, 26, 20-37	4.5	42

91	Effect of small amount of poly(ethylene naphthalate) on isothermal crystallization and spherulitic morphology of poly(trimethylene terephthalate). *Polymer Testing*, **2007**, 26, 985-1000	4.5	15
90	Electrospun Gelatin Fibers: Effect of Solvent System on Morphology and Fiber Diameters. *Polymer Journal*, **2007**, 39, 622-631	2.7	93
89	Electrospun Methacrylate-Based Copolymer/Indomethacin Fibers and Their Release Characteristics of Indomethacin. *Journal of Polymer Research*, **2007**, 14, 53-59	2.7	20
88	Electrospun cellulose acetate fibers: effect of solvent system on morphology and fiber diameter. *Cellulose*, **2007**, 14, 563-575	5.5	176
87	Influences of thermal aging on properties and pyrolysis products of tire tread compound. *Journal of Analytical and Applied Pyrolysis*, **2007**, 80, 269-276	6	17
86	Bone scaffolds from electrospun fiber mats of poly(3-hydroxybutyrate), poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and their blend. *Polymer*, **2007**, 48, 1419-1427	3.9	157
85	Release characteristics of four model drugs from drug-loaded electrospun cellulose acetate fiber mats. *Polymer*, **2007**, 48, 5030-5041	3.9	197
84	Electrospun cellulose acetate fiber mats containing curcumin and release characteristic of the herbal substance. *Polymer*, **2007**, 48, 7546-7557	3.9	248
83	Photocatalytic activity of neat and silicon-doped titanium(IV) oxide nanofibers prepared by combined sol-gel and electrospinning techniques. *Journal of Nanoscience and Nanotechnology*, **2007** , 7, 2443-50	1.3	16
82	Mechanical and electro-rheological properties of electrospun poly(vinyl alcohol) nanofibre mats filled with carbon black nanoparticles. *Nanotechnology*, **2007**, 18, 145705	3.4	47
81	Preparation of Ultrafine Poly(ethylene oxide)/Poly(ethylene glycol) Fibers Containing Silver Nanoparticles as Antibacterial Coating **2007**,		1
80	Vitamin-loaded electrospun cellulose acetate nanofiber mats as transdermal and dermal therapeutic agents of vitamin A acid and vitamin E. *European Journal of Pharmaceutics and Biopharmaceutics*, **2007**, 67, 387-97	5.7	250
79	In vitro biocompatibility of electrospun poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) fiber mats. *International Journal of Biological Macromolecules*, **2007**, 40, 217-23	7.9	110
78	Effect of cross-linking on properties and release characteristics of sodium salicylate-loaded electrospun poly(vinyl alcohol) fibre mats. *Nanotechnology*, **2007**, 18, 175102	3.4	40
77	Ultrafine electrospun poly(ethylene glycol)–polydimethylsiloxane–poly(ethylene glycol) triblock copolymer/poly(ethylene oxide) blend fibers. *Materials Letters*, **2006**, 60, 2920-2924	3.3	9
76	Rheological and isothermal crystallization characteristics of neat and calcium carbonate-filled syndiotactic polypropylene. *Journal of Applied Polymer Science*, **2006**, 100, 4515-4525	2.9	15
75	Polycarbonate microfilters by nuclear tracking and chemical etching (track-etching) technique: Preparation and characterization. *Journal of Applied Polymer Science*, **2006**, 101, 982-990	2.9	4
74	Mechanical properties of injection-molded isotactic polypropylene/roselle fiber composites. *Journal of Applied Polymer Science*, **2006**, 101, 3291-3300	2.9	29

73	In situ microfibrillar-reinforced composites of isotactic polypropylene/recycled poly(ethylene terephthalate) system and effect of compatibilizer. *Journal of Applied Polymer Science*, **2006**, 102, 1173-1181	2.9	54
72	Preparation and characterization of novel bone scaffolds based on electrospun polycaprolactone fibers filled with nanoparticles. *Macromolecular Bioscience*, **2006**, 6, 70-7	5.5	202
71	Effects of Poly(ethylene glycol), Inorganic Salt, Sodium Dodecyl Sulfate, and Solvent System on Electrospinning of Poly(ethylene oxide). *Macromolecular Materials and Engineering*, **2006**, 291, 581-591	3.9	64
70	The Influence of Solvent Properties and Functionality on the Electrospinnability of Polystyrene Nanofibers. *Macromolecular Materials and Engineering*, **2006**, 291, 840-847	3.9	57
69	Novel bone scaffolds of electrospun polycaprolactone fibers filled with nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 514-22	1.3	72
68	The Control of Thermal and Radiation Stability of Polypropylene Containing Calcium Carbonate Nanoparticles. *Macromolecular Symposia*, **2006**, 242, 319-324	0.8	14
67	Fabrication of □chitin whisker-reinforced poly(vinyl alcohol) nanocomposite nanofibres by electrospinning. *Nanotechnology*, **2006**, 17, 4519-4528	3.4	108
66	Drug-loaded electrospun mats of poly(vinyl alcohol) fibres and their release characteristics of four model drugs. *Nanotechnology*, **2006**, 17, 2317-2329	3.4	303
65	Stability improvement of electrospun chitosan nanofibrous membranes in neutral or weak basic aqueous solutions. *Biomacromolecules*, **2006**, 7, 2710-4	6.9	179
64	Electrospinning of Styrene-Isoprene Copolymeric Thermoplastic Elastomers. *Polymer Journal*, **2006**, 38, 961-969	2.7	12
63	Electrospun mat of tyrosine-derived polycarbonate fibers for potential use as tissue scaffolding material. *Journal of Biomaterials Science, Polymer Edition*, **2006**, 17, 1039-56	3.5	81
62	Electrospun fiber mats of poly(3-hydroxybutyrate), poly(3-hydroxybutyrate-co-3-hydroxyvalerate), and their blends. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 2923-2933	2.6	68
61	Preparation and characterization of ultrafine electrospun polyacrylonitrile fibers and their subsequent pyrolysis to carbon fibers. *Polymer International*, **2006**, 55, 825-833	3.3	124
60	Dilute solution properties of hexanoyl chitosan in chloroform, dichloromethane, and tetrahydrofuran. *Carbohydrate Polymers*, **2006**, 64, 175-183	10.3	8
59	Electrospinning of hexanoyl chitosan. *Carbohydrate Polymers*, **2006**, 66, 298-305	10.3	81
58	Surface-modified calcium carbonate particles by admicellar polymerization to be used as filler for isotactic polypropylene. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2006**, 275, 114-125	5.1	66
57	Non-isothermal melt- and cold-crystallization kinetics of poly(3-hydroxybutyrate). *Polymer Testing*, **2006**, 25, 807-818	4.5	43
56	Melt rheology and extrudate swell of low-density polyethylene/ethylene□octene copolymer blends. *Polymer Testing*, **2006**, 25, 888-895	4.5	13

55	Hard-coating materials for poly(methyl methacrylate) from glycidoxypropyltrimethoxysilane-modified silatrane via a sol–gel process. *Surface and Coatings Technology*, **2006**, 200, 2784-2790	4.4	50
54	Electrospinning of hexanoyl chitosan/polylactide blends. *Journal of Biomaterials Science, Polymer Edition*, **2006**, 17, 547-65	3.5	64
53	Removal of solvent-based ink from printed surface of HDPE bottles by alkyltrimethylammonium bromides: effects of surfactant concentration and alkyl chain length. *Colloid and Polymer Science*, **2006**, 284, 980-989	2.4	5
52	Fabrication of Aligned Poly(vinyl alcohol) Nanofibers by Electrospinning. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 125-129	1.3	41
51	Fabrication of aligned poly (vinyl alcohol) nanofibers by electrospinning. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 125-9	1.3	1
50	Preparation and characterization of β-chitin whisker-reinforced poly(vinyl alcohol) nanocomposite films with or without heat treatment. *Polymer*, **2005**, 46, 5637-5644	3.9	127
49	Melt rheology and extrudate swell of calcium carbonate nanoparticle-filled isotactic polypropylene. *Polymer Testing*, **2005**, 24, 2-11	4.5	61
48	Non-isothermal melt-crystallization and subsequent melting behavior of pigmented medium-density polyethylene. *Polymer Testing*, **2005**, 24, 873-885	4.5	7
47	Effect of solvents on electro-spinnability of polystyrene solutions and morphological appearance of resulting electrospun polystyrene fibers. *European Polymer Journal*, **2005**, 41, 409-421	5.2	330
46	Preparation and characterization of starch/poly(l-lactic acid) hybrid foams. *Carbohydrate Polymers*, **2005**, 59, 329-337	10.3	62
45	Preparation and characterization of hexanoyl chitosan/polylactide blend films. *Carbohydrate Polymers*, **2005**, 60, 343-350	10.3	79
44	Preparation and characterization of β-chitin whisker-reinforced chitosan nanocomposite films with or without heat treatment. *Carbohydrate Polymers*, **2005**, 62, 130-136	10.3	177
43	Thermal and crystallization characteristics of poly(trimethylene terephthalate)/poly(ethylene naphthalate) blends. *European Polymer Journal*, **2005**, 41, 1561-1568	5.2	52
42	Nonisothermal melt-crystallization kinetics of syndiotactic polypropylene compounded with various nucleating agents. *Journal of Applied Polymer Science*, **2005**, 95, 245-253	2.9	16
41	Preparation and characterization of microwave-treated carboxymethyl chitin and carboxymethyl chitosan films for potential use in wound care application. *Macromolecular Bioscience*, **2005**, 5, 1001-12	5.5	71
40	Ultrafine Electrospun Polyamide-6 Fibers: Effects of Solvent System and Emitting Electrode Polarity on Morphology and Average Fiber Diameter. *Macromolecular Materials and Engineering*, **2005**, 290, 933-942	3.9	59
39	Titanium (IV) oxide nanofibers by combined sol–gel and electrospinning techniques: preliminary report on effects of preparation conditions and secondary metal dopant. *Science and Technology of Advanced Materials*, **2005**, 6, 240-245	7.1	62
38	Electrospinning of polystyrene/poly(2-methoxy-5-(2?-ethylhexyloxy)-1,4-phenylene vinylene) blends. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 1881-1891	2.6	34

37	Ultrafine electrospun polyamide-6 fibers: Effect of emitting electrode polarity on morphology and average fiber diameter. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 3699-3712	2.6	70
36	Electrospinning of methacrylate-based copolymers: Effects of solution concentration and applied electrical potential on morphological appearance of as-spun fibers. *Polymer Engineering and Science* , **2005**, 45, 1073-1080	2.3	25
35	Effects of Solution Concentration, Emitting Electrode Polarity, Solvent Type, and Salt Addition on Electrospun Polyamide-6 Fibers: A Preliminary Report. *Macromolecular Symposia*, **2004**, 216, 293-300	0.8	57
34	Preparation and Properties of Starch/Poly(vinyl alcohol) Composite Foams. *Macromolecular Symposia*, **2004**, 216, 217-228	0.8	20
33	Isothermal melt-crystallization and melting behavior for three linear aromatic polyesters. *Thermochimica Acta*, **2004**, 409, 63-77	2.9	84
32	Porous polyethylene membranes by template-leaching technique: preparation and characterization. *Polymer Testing*, **2004**, 23, 91-99	4.5	29
31	Non-isothermal melt crystallization kinetics for poly(trimethylene terephthalate)/poly(butylene terephthalate) blends. *Polymer Testing*, **2004**, 23, 175-185	4.5	88
30	Thermal, crystallization, and rheological characteristics of poly(trimethylene terephthalate)/poly(butylene terephthalate) blends. *Polymer Testing*, **2004**, 23, 187-194	4.5	79
29	Thermal, crystallization, mechanical, and rheological characteristics of poly(trimethylene terephthalate)/poly(ethylene terephthalate) blends. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 676-686	2.6	67
28	Nonisothermal cold-crystallization kinetics of poly(trimethylene terephthalate). *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 4151-4163	2.6	27
27	Effects of crystalline and orientational memory phenomena on the isothermal bulk crystallization and subsequent melting behavior of poly(trimethylene terephthalate). *Polymer International*, **2004**, 53, 1118-1126	3.3	18
26	Effects of solvents on electrospun polymeric fibers: preliminary study on polystyrene. *Polymer International*, **2004**, 53, 1851-1859	3.3	324
25	Blends of ethylene–methyl acrylate–acrylic acid terpolymers with ethylene–acrylic acid copolymers: Mechanical and thermomechanical properties. *Journal of Applied Polymer Science*, **2004**, 91, 2216-2222	2.9	1
24	Effects of calcium carbonate and its purity on crystallization and melting behavior, mechanical properties, and processability of syndiotactic polypropylene. *Journal of Applied Polymer Science*, **2004**, 92, 201-212	2.9	70
23	Ultrafine Electrospun Polyamide-6 Fibers: Effect of Solution Conditions on Morphology and Average Fiber Diameter. *Macromolecular Chemistry and Physics*, **2004**, 205, 2327-2338	2.6	383
22	Effect of Nucleating Agents on Crystallization and Melting Behavior and Mechanical Properties of Nucleated Syndiotactic Poly(propylene). *Macromolecular Materials and Engineering*, **2004**, 289, 818-827	3.9	22
21	Multiple melting behavior in isothermally crystallized poly(trimethylene terephthalate). *European Polymer Journal*, **2004**, 40, 599-608	5.2	97
20	Effect of calcium stearate and pimelic acid addition on mechanical properties of heterophasic isotactic polypropylene/ethylene–propylene rubber blend. *Polymer Testing*, **2004**, 23, 533-539	4.5	65

19	Characterization of starch/poly(ε-caprolactone) hybrid foams. *Polymer Testing*, **2004**, 23, 651-657	4.5	37
18	Non-isothermal melt-crystallization kinetics of poly(trimethylene terephthalate). *Polymer Testing*, **2004**, 23, 817-826	4.5	88
17	Influence of molecular characteristics on non-isothermal melt-crystallization kinetics of syndiotactic polypropylene. *Polymer Testing*, **2004**, 23, 881-895	4.5	29
16	Non-isothermal melt crystallization kinetics for ethylene–acrylic acid copolymers and ethylene–methyl acrylate–acrylic acid terpolymers. *European Polymer Journal*, **2004**, 40, 829-838	5.2	30
15	Influence of molecular characteristics on overall isothermal melt-crystallization behavior and equilibrium melting temperature of syndiotactic polypropylene. *European Polymer Journal*, **2004**, 40, 1671-1682	5.2	7
14	Preparation and characterization of jute- and flax-reinforced starch-based composite foams. *Carbohydrate Polymers*, **2004**, 58, 53-63	10.3	142
13	Nonisothermal melt-crystallization kinetics for three linear aromatic polyesters. *Thermochimica Acta*, **2003**, 406, 207-220	2.9	82
12	Characterisation of beta-chitin/poly(vinyl alcohol) blend films. *Polymer Testing*, **2003**, 22, 381-387	4.5	51
11	Nonisothermal bulk crystallization of high-density polyethylene via a modified depolarized light microscopy technique: Further analysis. *Journal of Applied Polymer Science*, **2002**, 86, 1009-1022	2.9	20
10	Application of the Avrami, Tobin, Malkin, and Urbanovici–Segal macrokinetic models to isothermal crystallization of syndiotactic polypropylene. *Thermochimica Acta*, **2001**, 370, 37-48	2.9	65
9	Unbiased evaluation of literature data on equilibrium melting temperature and enthalpy of fusion of perfectly syndiotactic polypropylene. *Journal of Applied Polymer Science*, **2001**, 79, 1603-1609	2.9	13
8	Crystallization and melting behavior in syndiotactic polypropylene: Origin of multiple melting phenomenon. *Journal of Applied Polymer Science*, **2001**, 82, 1083-1097	2.9	58
7	Crystalline memory effect in isothermal crystallization of syndiotactic polypropylenes: effect of fusion temperature on crystallization and melting behavior. *Polymer*, **2001**, 42, 9617-9626	3.9	70
6	Thermal properties and isothermal crystallization of syndiotactic polypropylenes: Differential scanning calorimetry and overall crystallization kinetics. *Journal of Applied Polymer Science*, **2000**, 75, 44-59	2.9	46
5	Crystalline memory effects in isothermal crystallization of syndiotactic polypropylene. *Journal of Applied Polymer Science*, **2000**, 75, 337-346	2.9	82
4	Isothermal melt crystallization and melting behaviour of syndiotactic polypropylene. *Polymer International*, **2000**, 49, 1473-1482	3.3	16
3	Nonisothermal bulk crystallization and subsequent melting behavior of syndiotactic polypropylenes: Crystallization from the melt state. *Journal of Applied Polymer Science*, **2000**, 78, 338-354	2.9	70
2	Nonisothermal bulk crystallization studies of high density polyethylene using light depolarizing microscopy. *Journal of Polymer Science, Part B: Polymer Physics*, **1998**, 36, 681-692	2.6	39

1	Immobilization of osteopontin on poly(Ɛ-caprolactone) scaffolds by polyelectrolyte multilayer deposition to improve the osteogenic differentiation of MC3T3-E1 cells. *Polymer Bulletin*,1	2.4	0