Xiaoyan Yuan

List of Publications by Year in Descending Order

155 papers	5,749 citations	37 h-index	71 g-index
159 ext. papers	6,382 ext. citations	4.7 avg, IF	5.74 L-index

#	Paper	IF	Citations
155	Facilitating trehalose entry into hRBCs at 4 °C by alkylated ε-poly(L-lysine) for glycerol-free cryopreservation.. *Journal of Materials Chemistry B*, **2022**,	7.3	4
154	Magnetic Poly(ionic liquid)s: Bottlebrush versus Linear Structures. *Macromolecules*, **2022**, 55, 2067-2074	5.5	2
153	Enhancing mechanical properties of high-density polyethylene/polydopamine-modified basalt fiber composites via synergistic compatibilizers. *Polymer Composites*, **2022**, 43, 1136-1146	3	0
152	Development of Icephilic ACTIVE Glycopeptides for Cryopreservation of Human Erythrocytes.. *Biomacromolecules*, **2021**,	6.9	6
151	In Situ Internal Strengthened Carbon Nanotube Carpets on Graphene for Anti-Icing Application. *ACS Applied Nano Materials*, **2021**, 4, 10952-10959	5.6	0
150	Pyrene-Enhanced Ferromagnetic Interaction in a $FeCl_4^-$-Based Poly(ionic liquid)s Organic Magnet. *Macromolecules*, **2021**, 54, 4227-4235	5.5	2
149	Electrospinning of Biomaterials for Vascular Regeneration. *Chemical Research in Chinese Universities*, **2021**, 37, 394-403	2.2	3
148	From Polymerization Inhibition to Controlled Ring-Opening Metathesis Polymerization of Macromonomers with Tertiary Amine Groups: The Effect of Spacer Chain. *Chinese Journal of Chemistry*, **2021**, 39, 1927-1935	4.9	2
147	Self-healing anti-icing coatings prepared from PDMS polyurea. *Science China Technological Sciences*, **2021**, 64, 1535-1543	3.5	4
146	Combination of hydrophobically modified ε-poly(glutamic acid) and trehalose achieving high cryosurvival of RBCs. *Science China Technological Sciences*, **2021**, 64, 806-816	3.5	7
145	Modulation of vascular endothelial cells under shear stress on electrospun membranes containing REDV and microRNA-126. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 1090-1099	3	1
144	Antifogging and antibacterial properties of amphiphilic coatings based on zwitterionic copolymers. *Science China Technological Sciences*, **2021**, 64, 817-826	3.5	4
143	Improvement of mechanical properties for epoxy composites with modified titanate whiskers via dopamine self-oxidation. *Journal of Polymer Research*, **2021**, 28, 1	2.7	2
142	Friction and wear properties of phenolic composites with dual inorganic oxide-modified titanate whiskers. *Polymer Composites*, **2020**, 41, 3282-3293	3	4
141	Enhanced anti-icing properties of branched PDMS coatings with self-regulated surface patterns. *Science China Technological Sciences*, **2020**, 63, 960-970	3.5	8
140	Antifogging/Antibacterial Coatings Constructed by -Hydroxyethylacrylamide and Quaternary Ammonium-Containing Copolymers. *ACS Applied Materials & Interfaces*, **2020**, 12, 12305-12316	9.5	24
139	Local Delivery of Dual MicroRNAs in Trilayered Electrospun Grafts for Vascular Regeneration. *ACS Applied Materials & Interfaces*, **2020**, 12, 6863-6875	9.5	25

138	Crosslinked Ionic Alginate and Cellulose-based Hydrogels for Photoresponsive Drug Release Systems. *Fibers and Polymers*, **2020**, 21, 45-54	2	8
137	Structure Memory Photonic Crystals Prepared by Hierarchical Self-Assembly of Semicrystalline Bottlebrush Block Copolymers. *Macromolecules*, **2020**, 53, 3602-3610	5.5	20
136	Thermal property of photonic crystals (PCs) prepared by solvent annealing self-assembly of bottlebrush PS-b-PtBA. *Polymer*, **2020**, 194, 122389	3.9	9
135	Membrane Stabilization of Poly(ethylene glycol)--polypeptide--trehalose Assists Cryopreservation of Red Blood Cells.. *ACS Applied Bio Materials*, **2020**, 3, 3294-3303	4.1	7
134	Dual-Mode Fluorescence and Magnetic Resonance Imaging by Perylene Diimide-Based Gd-Containing Magnetic Ionic Liquids. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6405-6414	5.5	1
133	High impact strength of polypropylene composites with complex titanate whiskers/multiwalled carbon nanotubes. *Journal of Polymer Research*, **2020**, 27, 1	2.7	2
132	Endowing antibacterial ability to poly(□caprolactone) by blending with cationic □zwitterionic copolymers for biomedical purposes. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2020**, 69, 885-895	3	0
131	Trehalose-functional glycopeptide enhances glycerol-free cryopreservation of red blood cells. *Journal of Materials Chemistry B*, **2019**, 7, 5695-5703	7.3	13
130	Alcohols responsive photonic crystals prepared by self-assembly of dendronized block copolymers. *Reactive and Functional Polymers*, **2019**, 139, 162-169	4.6	9
129	Enhancing Membrane-Disruptive Activity via Hydrophobic Phenylalanine and Lysine Tethered to Poly(aspartic acid). *ACS Applied Materials & Interfaces*, **2019**, 11, 14538-14547	9.5	8
128	Bio-functional electrospun nanomaterials: From topology design to biological applications. *Progress in Polymer Science*, **2019**, 91, 1-28	29.6	63
127	Performance of TMC-g-PEG-VAPG/miRNA-145 complexes in electrospun membranes for target-regulating vascular SMCs. *Colloids and Surfaces B: Biointerfaces*, **2019**, 182, 110369	6	10
126	Inorganic/organic hybrid magnetic polymers based on POSS and pyridinium FeCl4: the effect of self-assembly. *Polymer Chemistry*, **2019**, 10, 4604-4610	4.9	11
125	From Paramagnetic to Superparamagnetic Ionic Liquid/Poly(ionic liquid): The Effect of □Stacking Interaction. *ACS Macro Letters*, **2019**, 8, 1504-1510	6.6	9
124	Handwritable one-dimensional photonic crystals prepared from dendronized brush block copolymers. *Polymer Chemistry*, **2019**, 10, 1519-1525	4.9	20
123	Icephobic Durability of Branched PDMS Slippage Coatings Co-Cross-Linked by Functionalized POSS. *ACS Applied Materials & Interfaces*, **2019**, 11, 4654-4666	9.5	32
122	Target regulation of both VECs and VSMCs by dual-loading miRNA-126 and miRNA-145 in the bilayered electrospun membrane for small-diameter vascular regeneration. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 371-382	5.4	15
121	High impact strength for polypropylene/titanate whisker composites with dual compatibilizing agents. *Polymer Composites*, **2019**, 40, 3421-3428	3	3

120	Enhancing antifogging/frost-resisting performances of amphiphilic coatings via cationic, zwitterionic or anionic polyelectrolytes. *Chemical Engineering Journal*, **2019**, 357, 667-677	14.7	31
119	Electrospun membranes of PELCL/PCL-REDV loading with miRNA-126 for enhancement of vascular endothelial cell adhesion and proliferation. *Materials Science and Engineering C*, **2018**, 85, 37-46	8.3	31
118	An injectable supramolecular hydrogel hybridized with silver nanoparticles for antibacterial application. *Soft Matter*, **2018**, 14, 1227-1234	3.6	31
117	Integrated antibacterial and antifouling surfaces via cross-linking chitosan-g-eugenol/zwitterionic copolymer on electrospun membranes. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 151-159	6	28
116	Improvement of anti-icing properties of low surface energy coatings by introducing phase-change microcapsules. *Polymer Engineering and Science*, **2018**, 58, 973-979	2.3	29
115	One-dimensional photonic crystals prepared by self-assembly of brush block copolymers with broad PDI. *Journal of Materials Science*, **2018**, 53, 16160-16168	4.3	21
114	Antimicrobial eugenol-loaded electrospun membranes of poly(ε-caprolactone)/gelatin incorporated with REDV for vascular graft applications. *Colloids and Surfaces B: Biointerfaces*, **2018**, 162, 335-344	6	38
113	Tadpole-shaped magnetic block copolymer: Self-assembly induced increase of magnetic susceptibility. *Polymer*, **2018**, 135, 9-15	3.9	11
112	Formation of zwitterionic coatings with an aqueous lubricating layer for antifogging/anti-icing applications. *Progress in Organic Coatings*, **2018**, 115, 56-64	4.8	37
111	Magnetic monomers and polymers based on alkyl-imidazolium FeCl4: The effect of alkyl chain length. *Polymer*, **2018**, 157, 32-37	3.9	5
110	Ceiling Degree of Polymerization for Brush Polymers Prepared via ROMP of Poly(tert-Butyl Acrylate) Macromonomers. *Chemical Research in Chinese Universities*, **2018**, 34, 828-832	2.2	8
109	Encapsulating Microorganisms inside Electrospun Microfibers as a Living Material Enables Room-Temperature Storage of Microorganisms. *ACS Applied Materials & Interfaces*, **2018**, 10, 38799-38806	9.5	7
108	Self-assembly of magnetic poly(ionic liquid)s and ionic liquids in aqueous solution. *Polymer Chemistry*, **2018**, 9, 5116-5122	4.9	13
107	Antibacterial PCL electrospun membranes containing synthetic polypeptides for biomedical purposes. *Colloids and Surfaces B: Biointerfaces*, **2018**, 172, 330-337	6	25
106	Amphiphilic Copolymers Containing POSS and SBMA with -Vinylcaprolactam and -Vinylpyrrolidone for THF Hydrate Inhibition. *ACS Omega*, **2018**, 3, 7371-7379	3.9	10
105	Temperature and pH Dual-Responsive Supramolecular Polymer Hydrogels Hybridized with Functional Inorganic Nanoparticles. *Macromolecular Chemistry and Physics*, **2017**, 218, 1600540	2.6	18
104	Poly(amino acid-hydroxyethyl methacrylate)s with chiral lysine and/or leucine side moieties and their antibacterial abilities for biomedical applications. *Materials Science and Engineering C*, **2017**, 76, 1112-1120	8.3	8
103	Amphiphilic Antifogging/Anti-Icing Coatings Containing POSS-PDMAEMA-b-PSBMA. *ACS Applied Materials & Interfaces*, **2017**, 9, 22959-22969	9.5	76

102	Highly icephobic properties on slippery surfaces formed from polysiloxane and fluorinated POSS. *Progress in Organic Coatings*, **2017**, 103, 48-59	4.8	28
101	Self-crosslinking coatings of fluorinated polysiloxanes with enhanced icephobicity. *Thin Solid Films*, **2017**, 639, 113-122	2.2	13
100	Functional electrospun fibrous scaffolds with dextran-g-poly(l-lysine)-VAPG/microRNA-145 to specially modulate vascular SMCs. *Journal of Materials Chemistry B*, **2017**, 5, 9312-9325	7.3	23
99	Improving crystallization behaviors of isotactic polypropylene via a new POSS-sorbitol compound. *Polymer Engineering and Science*, **2017**, 57, 357-364	2.3	6
98	Peptide-modified PELCL electrospun membranes for regulation of vascular endothelial cells. *Materials Science and Engineering C*, **2016**, 68, 623-631	8.3	22
97	Strategies for anti-icing: low surface energy or liquid-infused?. *RSC Advances*, **2016**, 6, 70251-70260	3.7	87
96	Preparation of X-ray developable LDPE/SA-BaSO4 composites and their thermal and mechanical properties. *Polymer Composites*, **2016**, 37, 1396-1406	3	6
95	UV-curable POSS-fluorinated methacrylate diblock copolymers for icephobic coatings. *Progress in Organic Coatings*, **2016**, 93, 87-96	4.8	39
94	Rapid Gelling Chitosan/Polylysine Hydrogel with Enhanced Bulk Cohesive and Interfacial Adhesive Force: Mimicking Features of Epineurial Matrix for Peripheral Nerve Anastomosis. *Biomacromolecules*, **2016**, 17, 622-30	6.9	48
93	Submicron/nano-structured icephobic surfaces made from fluorinated polymethylsiloxane and octavinyl-POSS. *Applied Surface Science*, **2016**, 360, 113-120	6.7	29
92	Well-Defined Magnetic Responsive Polymers Containing Ammonium FeCl4 from ROMP. *Macromolecular Chemistry and Physics*, **2016**, 217, 2700-2707	2.6	21
91	Targeted delivery of microRNA-126 to vascular endothelial cells via REDV peptide modified PEG-trimethyl chitosan. *Biomaterials Science*, **2016**, 4, 849-56	7.4	31
90	Electrospun PELCL membranes loaded with QK peptide for enhancement of vascular endothelial cell growth. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 106	4.5	16
89	Nanofiber-mediated microRNA-126 delivery to vascular endothelial cells for blood vessel regeneration. *Acta Biomaterialia*, **2016**, 43, 303-313	10.8	73
88	Facile preparation of PLGA microspheres with diverse internal structures by modified double-emulsion method for controlled release. *Polymer Engineering and Science*, **2015**, 55, 896-906	2.3	4
87	Fluorosilicone multi-block copolymers tethering quaternary ammonium salt groups for antimicrobial purpose. *Applied Surface Science*, **2015**, 347, 231-241	6.7	13
86	Effect of polyhedral oligomeric silsesquioxane and sorbitol on properties of isotactic polypropylene. *Chemical Research in Chinese Universities*, **2015**, 31, 303-307	2.2	6
85	Photocrosslinked layered gelatin-chitosan hydrogel with graded compositions for osteochondral defect repair. *Journal of Materials Science: Materials in Medicine*, **2015**, 26, 160	4.5	29

84	Enhancement of icephobic properties based on UV-curable fluorosilicone copolymer films. *RSC Advances*, **2015**, 5, 90578-90587	3.7	17
83	Formation of icephobic film from POSS-containing fluorosilicone multi-block methacrylate copolymers. *Progress in Organic Coatings*, **2015**, 89, 150-159	4.8	23
82	Synthesis of POSS-containing fluorosilicone block copolymers via RAFT polymerization for application as non-wetting coating materials. *Progress in Organic Coatings*, **2015**, 78, 188-199	4.8	31
81	A pilot study of conically graded chitosan-gelatin hydrogel/PLGA scaffold with dual-delivery of TGF-β and BMP-2 for regeneration of cartilage-bone interface. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 1344-53	3.5	58
80	Development of cationic block copolymers for gene delivery. *Journal of Controlled Release*, **2015**, 213, e32	11.7	1
79	High grafting density of cyclodextrin polymer for fast removal of aromatic compounds from water. *RSC Advances*, **2015**, 5, 47998-48004	3.7	1
78	Determination of the Pressure Dependence of the Shear Viscosity of Polymer Melts Using a Capillary Rheometer with an Attached Counter Pressure Chamber. *Journal of Macromolecular Science - Physics*, **2015**, 54, 1029-1041	1.4	8
77	In situ formation of adhesive hydrogels based on PL with laterally grafted catechol groups and their bonding efficacy to wet organic substrates. *Journal of Materials Science: Materials in Medicine*, **2015**, 26, 273	4.5	18
76	Synthesis of paramagnetic polymers based on polyethyleneimine (PEI). *RSC Advances*, **2015**, 5, 92207-92211	3.7	9
75	Polydimethylsiloxane-polymethacrylate block copolymers tethering quaternary ammonium salt groups for antimicrobial coating. *Applied Surface Science*, **2015**, 328, 183-192	6.7	30
74	Icephobicity of polydimethylsiloxane-b-poly(fluorinated acrylate). *Thin Solid Films*, **2014**, 573, 67-73	2.2	26
73	One-step fabrication of a superhydrophobic polymer surface from an acrylic copolymer containing POSS by spraying. *RSC Advances*, **2014**, 4, 62694-62697	3.7	13
72	Grafting of poly(lauryl acrylate) onto nano-silica by "click chemistry". *Chemical Research in Chinese Universities*, **2014**, 30, 339-342	2.2	8
71	Preparation and icephobic properties of polymethyltrifluoropropylsiloxane–polyacrylate block copolymers. *Applied Surface Science*, **2014**, 316, 222-231	6.7	51
70	Fibre–Microsphere Membranes with Continuous BMP-2 Gradients with Potential Applications in Interface-tissue Engineering. *Australian Journal of Chemistry*, **2014**, 67, 159	1.2	6
69	Preparation and evaluation of hydrophobic surfaces of polyacrylate-polydimethylsiloxane copolymers for anti-icing. *Progress in Organic Coatings*, **2013**, 76, 1435-1444	4.8	43
68	Diverse release behaviors of water-soluble bioactive substances from fibrous membranes prepared by emulsion and suspension electrospinning. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 1244-59	3.5	15
67	Rapidly in situ forming adhesive hydrogel based on a PEG-maleimide modified polypeptide through Michael addition. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 2277-86	4.5	24

66	Preparation of C/NiO composite nanofibers for anode materials in lithium-ion batteries. *Applied Physics A: Materials Science and Processing*, **2013**, 113, 683-692	2.6	19
65	Preparation of fiber-microsphere scaffolds for loading bioactive substances in gradient amounts. *Science Bulletin*, **2013**, 58, 3415-3421		5
64	Facile preparation of superhydrophobic coating by spraying a fluorinated acrylic random copolymer micelle solution. *Soft Matter*, **2013**, 9, 1005-1009	3.6	54
63	Performance of a multilayered small-diameter vascular scaffold dual-loaded with VEGF and PDGF. *Biomaterials*, **2013**, 34, 7302-13	15.6	131
62	Dual-delivery of VEGF and PDGF by double-layered electrospun membranes for blood vessel regeneration. *Biomaterials*, **2013**, 34, 2202-12	15.6	215
61	CoSn/carbon composite nanofibers for applications as anode in lithium-ion batteries. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	9
60	Degradation of electrospun poly(L-lactide) membranes under cyclic loading. *Journal of Applied Polymer Science*, **2012**, 124, E258-E266	2.9	5
59	Carbon nanotubes grown on electrospun polyacrylonitrile-based carbon nanofibers via chemical vapor deposition. *Applied Physics A: Materials Science and Processing*, **2012**, 106, 863-869	2.6	3
58	Prolonged release from PLGA/HAp scaffolds containing drug-loaded PLGA/gelatin composite microspheres. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 419-29	4.5	22
57	Synthesis and characterization of core–shell polyacrylate latex containing fluorine/silicone in the shell and the self-stratification film. *Colloid and Polymer Science*, **2012**, 290, 203-211	2.4	16
56	Preparation and Characterization of Melamine-Formaldehyde Resin Micro- and Nanocapsules Filled with n-Dodecane. *Journal of Macromolecular Science - Physics*, **2012**, 51, 1976-1990	1.4	30
55	Preparation of PLGA scaffolds with graded pores by using a gelatin-microsphere template as porogen. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 2241-57	3.5	30
54	In situ encapsulation of hydrogel in ultrafine fibers by suspension electrospinning. *Polymer Engineering and Science*, **2012**, 52, 2695-2704	2.3	7
53	Effect of benzyl triethylammonium chloride on microstructure of bicomponent polymeric fibers during electrospinning. *Polymer Engineering and Science*, **2012**, 52, 1661-1671	2.3	3
52	Sustained release of VEGF by coaxial electrospun dextran/PLGA fibrous membranes in vascular tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, **2011**, 22, 1811-27	3.5	58
51	Controlled release of bovine serum albumin from electrospun fibrous membranes via an improved emulsion-core technique. *Journal of Controlled Release*, **2011**, 152 Suppl 1, e181-2	11.7	13
50	Extraction and isolation of type I, III and V collagens and their SDS-PAGE analyses. *Transactions of Tianjin University*, **2011**, 17, 111-117	2.9	9
49	Effect of degradation of PLGA and PLGA/β-TCP scaffolds on the growth of osteoblasts. *Science Bulletin*, **2011**, 56, 982-986		6

48	Controllable dual-release of dexamethasone and bovine serum albumin from PLGA/β-tricalcium phosphate composite scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2011**, 96, 139-51	3.5	18
47	Preparation and characterization of silver-chitosan nanocomposite particles with antimicrobial activity. *Journal of Applied Polymer Science*, **2011**, 120, 3180-3189	2.9	61
46	Structure and properties of electrospun poly(vinylidene fluoride)/polycarbonate membranes after hot-press. *Journal of Applied Polymer Science*, **2011**, 122, 774-781	2.9	20
45	Controlled release of BSA by microsphere-incorporated PLGA scaffolds under cyclic loading. *Materials Science and Engineering C*, **2011**, 31, 350-356	8.3	18
44	Effect of Inorganic Fillers on Morphology and Mechanical Properties of PA66/POE-g-MAH/Filler Composites. *Journal of Macromolecular Science - Physics*, **2011**, 50, 484-492	1.4	2
43	Effect of cyclic loading on in vitro degradation of poly(L-lactide-co-glycolide) scaffolds. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 53-66	3.5	26
42	Controlled release of PDGF-bb by coaxial electrospun dextran/poly(L-lactide-co-epsilon-caprolactone) fibers with an ultrafine core/shell structure. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 803-19	3.5	50
41	Composite fibrous membranes of PLGA and chitosan prepared by coelectrospinning and coaxial electrospinning. *Journal of Biomedical Materials Research - Part A*, **2010**, 92, 563-74	5.4	31
40	Encapsulation of proteinase K in PELA ultrafine fibers by emulsion electrospinning: preparation and in vitro evaluation. *Colloid and Polymer Science*, **2010**, 288, 1113-1119	2.4	24
39	Controlled release of dexamethasone from porous PLGA scaffolds under cyclic loading. *Science China Chemistry*, **2010**, 53, 594-598	7.9	5
38	Electrospinning of ultrafine core/shell fibers for biomedical applications. *Science China Chemistry*, **2010**, 53, 1246-1254	7.9	52
37	Progress of synthesizing methods and properties of fluorinated carbon nanotubes. *Science China Technological Sciences*, **2010**, 53, 1225-1233	3.5	9
36	Electrospinning of ultrafine PVDF/PC fibers from their dispersed solutions. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 372-380	2.6	13
35	Preparation of chitosan-graft-(methyl methacrylate)/Ag nanocomposite with antimicrobial activity. *Polymer International*, **2010**, 59, 62-70	3.3	38
34	PREPARATION AND PROPERTIES OF ELECTROSPUN POLY(ε-CAPROLACTONE)/POLYPYRROLE MEMBRANES. *Acta Polymerica Sinica*, **2010**, 010, 1094-1099		8
33	Modification of electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membranes through the introduction of poly(ethylene glycol) dimethacrylate. *Journal of Applied Polymer Science*, **2009**, 111, 3104-3112	2.9	13
32	Preparation and antibacterial activity of electrospun chitosan/poly(ethylene oxide) membranes containing silver nanoparticles. *Colloid and Polymer Science*, **2009**, 287, 1425-1434	2.4	134
31	Preparation and mineralization of PLGA/Gt electrospun fiber mats. *Science Bulletin*, **2009**, 54, 1328-1333	10.6	4

30	Anisotropic mechanical properties of hot-pressed PVDF membranes with higher fiber alignments via electrospinning. *Polymer Engineering and Science*, **2009**, 49, 1291-1298	2.3	27
29	Formation of core/shell ultrafine fibers of PVDF/PC by electrospinning via introduction of PMMA or BTEAC. *Polymer*, **2009**, 50, 6340-6349	3.9	22
28	Characterization of electrospun core/shell poly(vinyl pyrrolidone)/poly(L-lactide-co-epsilon-caprolactone) fibrous membranes and their cytocompatibility in vitro. *Journal of Biomaterials Science, Polymer Edition*, **2008**, 19, 245-58	3.5	28
27	Effect of hot-press on electrospun poly(vinylidene fluoride) membranes. *Polymer Engineering and Science*, **2008**, 48, 934-940	2.3	61
26	Formation of porous PLGA scaffolds by a combining method of thermally induced phase separation and porogen leaching. *Journal of Applied Polymer Science*, **2008**, 109, 1232-1241	2.9	63
25	Self-accelerated biodegradation of electrospun poly(ethylene glycol)–poly(l-lactide) membranes by loading proteinase K. *Polymer Degradation and Stability*, **2008**, 93, 618-626	4.7	19
24	In vitro degradation of porous poly(l-lactide-co-glycolide)/β-tricalcium phosphate (PLGA/β-TCP) scaffolds under dynamic and static conditions. *Polymer Degradation and Stability*, **2008**, 93, 1838-1845	4.7	79
23	Hybrid nanofibrous membranes of PLGA/chitosan fabricated via an electrospinning array. *Journal of Biomedical Materials Research - Part A*, **2007**, 83, 868-78	5.4	69
22	Preparation of electrospun chitosan/poly(vinyl alcohol) membranes. *Colloid and Polymer Science*, **2007**, 285, 855-863	2.4	168
21	Degradation of electrospun PLGA-chitosan/PVA membranes and their cytocompatibility in vitro. *Journal of Biomaterials Science, Polymer Edition*, **2007**, 18, 95-115	3.5	65
20	Compositional Dependence of Static Shear Viscosity of Immiscible PP/PS Blends. *Journal of Macromolecular Science - Physics*, **2007**, 46, 651-665	1.4	5
19	Electrospun poly(vinyl alcohol)/glucose oxidase biocomposite membranes for biosensor applications. *Reactive and Functional Polymers*, **2006**, 66, 1559-1564	4.6	207
18	Preparation of core/shell PVP/PLA ultrafine fibers by coaxial electrospinning. *Journal of Applied Polymer Science*, **2006**, 102, 39-45	2.9	89
17	A nanofibrous composite membrane of PLGA–chitosan/PVA prepared by electrospinning. *European Polymer Journal*, **2006**, 42, 2013-2022	5.2	218
16	PROPERTIES OF ULTRAFINE FIBROUS POLY(VINYL ALCOHOL) MEMBRANES BY ELECTROSPINNING. *Acta Polymerica Sinica*, **2006**, 006, 294-297		3
15	Immobilization of cellulase in nanofibrous PVA membranes by electrospinning. *Journal of Membrane Science*, **2005**, 250, 167-173	9.6	270
14	Study on morphology of electrospun poly(vinyl alcohol) mats. *European Polymer Journal*, **2005**, 41, 423-432	5.2	576
13	Preparation and properties of electrospun poly(vinylidene fluoride) membranes. *Journal of Applied Polymer Science*, **2005**, 97, 466-474	2.9	125

12	Drug-loaded ultrafine poly(vinyl alcohol) fibre mats prepared by electrospinning. *E-Polymers*, **2005**, 5,	2.7	5
11	Morphology of ultrafine polysulfone fibers prepared by electrospinning. *Polymer International*, **2004**, 53, 1704-1710	3.3	243
10	Electrospinning of chitosan solutions in acetic acid with poly(ethylene oxide). *Journal of Biomaterials Science, Polymer Edition*, **2004**, 15, 797-811	3.5	289
9	Surface degradation of poly(l-lactic acid) fibres in a concentrated alkaline solution. *Polymer Degradation and Stability*, **2003**, 79, 45-52	4.7	57
8	In vitro degradation of poly(L- lactic acid) fibers in phosphate buffered saline. *Journal of Applied Polymer Science*, **2002**, 85, 936-943	2.9	34
7	Formation of bone-like apatite on poly(L-lactic acid) fibers by a biomimetic process. *Journal of Biomedical Materials Research Part B*, **2001**, 57, 140-50		54
6	Characterization of poly(L-lactic acid) fibers produced by melt spinning. *Journal of Applied Polymer Science*, **2001**, 81, 251-260	2.9	120
5	Surface Modification of Acrylonitrile Copolymer Membranes by Grafting Acrylamide. II. Initiation by Fe2+/H2O2. *Journal of Applied Polymer Science*, **1998**, 69, 1907-1915	2.9	17
4	Surface modification of acrylonitrile copolymer membranes by grafting acrylamide. III. Kinetics and reaction mechanism initiating by Fe2+/H2O2. *Journal of Applied Polymer Science*, **1998**, 69, 1917-1921	2.9	12
3	Surface modification of acrylonitrile copolymer membranes by grafting acrylamide. I. Initiation by ceric ions. *Journal of Applied Polymer Science*, **1997**, 66, 1521-1529	2.9	10
2	Preparation of Poly(□caprolactone)/Poly(ester amide) Electrospun Membranes for Vascular Repair. *Chemical Research in Chinese Universities*,1	2.2	1
1	Cryopreservation of human erythrocytes through high intracellular trehalose with membrane stabilization of maltotriose-grafted □poly(L-lysine). *Journal of Materials Chemistry B*,	7.3	4