

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 155 | Study on morphology of electrospun poly(vinyl alcohol) mats. <i>European Polymer Journal</i> , <b>2005</b> , 41, 423-432  | 3.2  | 576       |
| 154 | Electrospinning of chitosan solutions in acetic acid with poly(ethylene oxide). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 797-811   | 3.5  | 289       |
| 153 | Immobilization of cellulase in nanofibrous PVA membranes by electrospinning. <i>Journal of Membrane Science</i> , <b>2005</b> , 250, 167-173  | 9.6  | 270       |
| 152 | Morphology of ultrafine polysulfone fibers prepared by electrospinning. <i>Polymer International</i> , <b>2004</b> , 53, 1704-1710  | 3.3  | 243       |
| 151 | A nanofibrous composite membrane of PLGA $\chi$ chitosan/PVA prepared by electrospinning. <i>European Polymer Journal</i> , <b>2006</b> , 42, 2013-2022   | 5.2  | 218       |
| 150 | Dual-delivery of VEGF and PDGF by double-layered electrospun membranes for blood vessel regeneration. <i>Biomaterials</i> , <b>2013</b> , 34, 2202-12   | 15.6 | 215       |
| 149 | Electrospun poly(vinyl alcohol)/glucose oxidase biocomposite membranes for biosensor applications. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 1559-1564  | 4.6  | 207       |
| 148 | Preparation of electrospun chitosan/poly(vinyl alcohol) membranes. <i>Colloid and Polymer Science</i> , <b>2007</b> , 285, 855-863  | 2.4  | 168       |
| 147 | Preparation and antibacterial activity of electrospun chitosan/poly(ethylene oxide) membranes containing silver nanoparticles. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 1425-1434                                      | 2.4  | 134       |
| 146 | Performance of a multilayered small-diameter vascular scaffold dual-loaded with VEGF and PDGF. <i>Biomaterials</i> , <b>2013</b> , 34, 7302-13  | 15.6 | 131       |
| 145 | Preparation and properties of electrospun poly(vinylidene fluoride) membranes. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 466-474  | 2.9  | 125       |
| 144 | Characterization of poly(L-lactic acid) fibers produced by melt spinning. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 81, 251-260   | 2.9  | 120       |
| 143 | Preparation of core/shell PVP/PLA ultrafine fibers by coaxial electrospinning. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 39-45   | 2.9  | 89        |
| 142 | Strategies for anti-icing: low surface energy or liquid-infused?. <i>RSC Advances</i> , <b>2016</b> , 6, 70251-70260  | 3.7  | 87        |
| 141 | In vitro degradation of porous poly(l-lactide-co-glycolide)/ $\beta$ -tricalcium phosphate (PLGA/ $\beta$ -TCP) scaffolds under dynamic and static conditions. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 1838-1845 | 4.7  | 79        |
| 140 | Amphiphilic Antifogging/Anti-Icing Coatings Containing POSS-PDMAEMA-b-PSBMA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22959-22969   | 9.5  | 76        |
| 139 | Nanofiber-mediated microRNA-126 delivery to vascular endothelial cells for blood vessel regeneration. <i>Acta Biomaterialia</i> , <b>2016</b> , 43, 303-313   | 10.8 | 73        |

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| 138 | Hybrid nanofibrous membranes of PLGA/chitosan fabricated via an electrospinning array. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 83, 868-78  | 5.4  | 69 |
| 137 | Degradation of electrospun PLGA-chitosan/PVA membranes and their cytocompatibility in vitro. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2007</b> , 18, 95-115   | 3.5  | 65 |
| 136 | Bio-functional electrospun nanomaterials: From topology design to biological applications. <i>Progress in Polymer Science</i> , <b>2019</b> , 91, 1-28  | 29.6 | 63 |
| 135 | Formation of porous PLGA scaffolds by a combining method of thermally induced phase separation and porogen leaching. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 1232-1241   | 2.9  | 63 |
| 134 | Preparation and characterization of silver-chitosan nanocomposite particles with antimicrobial activity. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 3180-3189   | 2.9  | 61 |
| 133 | Effect of hot-press on electrospun poly(vinylidene fluoride) membranes. <i>Polymer Engineering and Science</i> , <b>2008</b> , 48, 934-940  | 2.3  | 61 |
| 132 | A pilot study of conically graded chitosan-gelatin hydrogel/PLGA scaffold with dual-delivery of TGF- $\beta$ and BMP-2 for regeneration of cartilage-bone interface. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2015</b> , 103, 1344-53 | 3.5  | 58 |
| 131 | Sustained release of VEGF by coaxial electrospun dextran/PLGA fibrous membranes in vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 1811-27   | 3.5  | 58 |
| 130 | Surface degradation of poly(L-lactic acid) fibres in a concentrated alkaline solution. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 79, 45-52   | 4.7  | 57 |
| 129 | Facile preparation of superhydrophobic coating by spraying a fluorinated acrylic random copolymer micelle solution. <i>Soft Matter</i> , <b>2013</b> , 9, 1005-1009   | 3.6  | 54 |
| 128 | Formation of bone-like apatite on poly(L-lactic acid) fibers by a biomimetic process. <i>Journal of Biomedical Materials Research Part B</i> , <b>2001</b> , 57, 140-50   |      | 54 |
| 127 | Electrospinning of ultrafine core/shell fibers for biomedical applications. <i>Science China Chemistry</i> , <b>2010</b> , 53, 1246-1254  | 7.9  | 52 |
| 126 | Preparation and icephobic properties of polymethyltrifluoropropylsiloxane-polyacrylate block copolymers. <i>Applied Surface Science</i> , <b>2014</b> , 316, 222-231  | 6.7  | 51 |
| 125 | Controlled release of PDGF-bb by coaxial electrospun dextran/poly(L-lactide-co-epsilon-caprolactone) fibers with an ultrafine core/shell structure. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 803-19  | 3.5  | 50 |
| 124 | Rapid Gelling Chitosan/Polylysine Hydrogel with Enhanced Bulk Cohesive and Interfacial Adhesive Force: Mimicking Features of Epineurial Matrix for Peripheral Nerve Anastomosis. <i>Biomacromolecules</i> , <b>2016</b> , 17, 622-30  | 6.9  | 48 |
| 123 | Preparation and evaluation of hydrophobic surfaces of polyacrylate-polydimethylsiloxane copolymers for anti-icing. <i>Progress in Organic Coatings</i> , <b>2013</b> , 76, 1435-1444  | 4.8  | 43 |
| 122 | UV-curable POSS-fluorinated methacrylate diblock copolymers for icephobic coatings. <i>Progress in Organic Coatings</i> , <b>2016</b> , 93, 87-96   | 4.8  | 39 |
| 121 | Preparation of chitosan-graft-(methyl methacrylate)/Ag nanocomposite with antimicrobial activity. <i>Polymer International</i> , <b>2010</b> , 59, 62-70  | 3.3  | 38 |

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| 120 | Antimicrobial eugenol-loaded electrospun membranes of poly( $\epsilon$ -caprolactone)/gelatin incorporated with REDV for vascular graft applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 162, 335-344 | 6    | 38 |
| 119 | Formation of zwitterionic coatings with an aqueous lubricating layer for antifogging/anti-icing applications. <i>Progress in Organic Coatings</i> , <b>2018</b> , 115, 56-64   | 4.8  | 37 |
| 118 | In vitro degradation of poly(L-lactic acid) fibers in phosphate buffered saline. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 85, 936-943   | 2.9  | 34 |
| 117 | Icephobic Durability of Branched PDMS Slippage Coatings Co-Cross-Linked by Functionalized POSS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4654-4666  | 9.5  | 32 |
| 116 | Synthesis of POSS-containing fluorosilicone block copolymers via RAFT polymerization for application as non-wetting coating materials. <i>Progress in Organic Coatings</i> , <b>2015</b> , 78, 188-199                           | 4.8  | 31 |
| 115 | Electrospun membranes of PELCL/PCL-REDV loading with miRNA-126 for enhancement of vascular endothelial cell adhesion and proliferation. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 37-46                     | 8.3  | 31 |
| 114 | An injectable supramolecular hydrogel hybridized with silver nanoparticles for antibacterial application. <i>Soft Matter</i> , <b>2018</b> , 14, 1227-1234   | 3.6  | 31 |
| 113 | Composite fibrous membranes of PLGA and chitosan prepared by coelectrospinning and coaxial electrospinning. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 563-74                                  | 5.4  | 31 |
| 112 | Targeted delivery of microRNA-126 to vascular endothelial cells via REDV peptide modified PEG-trimethyl chitosan. <i>Biomaterials Science</i> , <b>2016</b> , 4, 849-56  | 7.4  | 31 |
| 111 | Enhancing antifogging/frost-resisting performances of amphiphilic coatings via cationic, zwitterionic or anionic polyelectrolytes. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 667-677                              | 14.7 | 31 |
| 110 | Polydimethylsiloxane-polymethacrylate block copolymers tethering quaternary ammonium salt groups for antimicrobial coating. <i>Applied Surface Science</i> , <b>2015</b> , 328, 183-192  | 6.7  | 30 |
| 109 | Preparation and Characterization of Melamine-Formaldehyde Resin Micro- and Nanocapsules Filled with n-Dodecane. <i>Journal of Macromolecular Science - Physics</i> , <b>2012</b> , 51, 1976-1990                                 | 1.4  | 30 |
| 108 | Preparation of PLGA scaffolds with graded pores by using a gelatin-microsphere template as porogen. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2012</b> , 23, 2241-57  | 3.5  | 30 |
| 107 | Photocrosslinked layered gelatin-chitosan hydrogel with graded compositions for osteochondral defect repair. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 160                                  | 4.5  | 29 |
| 106 | Improvement of anti-icing properties of low surface energy coatings by introducing phase-change microcapsules. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 973-979  | 2.3  | 29 |
| 105 | Submicron/nano-structured icephobic surfaces made from fluorinated polymethylsiloxane and octavinyl-POSS. <i>Applied Surface Science</i> , <b>2016</b> , 360, 113-120  | 6.7  | 29 |
| 104 | Highly icephobic properties on slippery surfaces formed from polysiloxane and fluorinated POSS. <i>Progress in Organic Coatings</i> , <b>2017</b> , 103, 48-59   | 4.8  | 28 |
| 103 | Integrated antibacterial and antifouling surfaces via cross-linking chitosan-g-eugenol/zwitterionic copolymer on electrospun membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 169, 151-159               | 6    | 28 |

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| 102 | Characterization of electrospun core/shell poly(vinyl pyrrolidone)/poly(L-lactide-co-epsilon-caprolactone) fibrous membranes and their cytocompatibility in vitro. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2008</b> , 19, 245-58 | 3.5 | 28 |
| 101 | Anisotropic mechanical properties of hot-pressed PVDF membranes with higher fiber alignments via electrospinning. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 1291-1298  | 2.3 | 27 |
| 100 | Icephobicity of polydimethylsiloxane-b-poly(fluorinated acrylate). <i>Thin Solid Films</i> , <b>2014</b> , 573, 67-73   | 2.2 | 26 |
| 99  | Effect of cyclic loading on in vitro degradation of poly(L-lactide-co-glycolide) scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 53-66   | 3.5 | 26 |
| 98  | Local Delivery of Dual MicroRNAs in Trilayered Electrospun Grafts for Vascular Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6863-6875  | 9.5 | 25 |
| 97  | Antibacterial PCL electrospun membranes containing synthetic polypeptides for biomedical purposes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 172, 330-337   | 6   | 25 |
| 96  | Antifogging/Antibacterial Coatings Constructed by -Hydroxyethylacrylamide and Quaternary Ammonium-Containing Copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12305-12316  | 9.5 | 24 |
| 95  | Rapidly in situ forming adhesive hydrogel based on a PEG-maleimide modified polypeptide through Michael addition. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 2277-86  | 4.5 | 24 |
| 94  | Encapsulation of proteinase K in PELA ultrafine fibers by emulsion electrospinning: preparation and in vitro evaluation. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 1113-1119  | 2.4 | 24 |
| 93  | Formation of icephobic film from POSS-containing fluorosilicone multi-block methacrylate copolymers. <i>Progress in Organic Coatings</i> , <b>2015</b> , 89, 150-159  | 4.8 | 23 |
| 92  | Functional electrospun fibrous scaffolds with dextran-g-poly(L-lysine)-VAPG/microRNA-145 to specially modulate vascular SMCs. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 9312-9325  | 7.3 | 23 |
| 91  | Peptide-modified PELCL electrospun membranes for regulation of vascular endothelial cells. <i>Materials Science and Engineering C</i> , <b>2016</b> , 68, 623-631   | 8.3 | 22 |
| 90  | Prolonged release from PLGA/HAP scaffolds containing drug-loaded PLGA/gelatin composite microspheres. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 419-29   | 4.5 | 22 |
| 89  | Formation of core/shell ultrafine fibers of PVDF/PC by electrospinning via introduction of PMMA or BTEAC. <i>Polymer</i> , <b>2009</b> , 50, 6340-6349  | 3.9 | 22 |
| 88  | One-dimensional photonic crystals prepared by self-assembly of brush block copolymers with broad PDI. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 16160-16168   | 4.3 | 21 |
| 87  | Well-Defined Magnetic Responsive Polymers Containing Ammonium FeCl <sub>4</sub> from ROMP. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2700-2707   | 2.6 | 21 |
| 86  | Structure Memory Photonic Crystals Prepared by Hierarchical Self-Assembly of Semicrystalline Bottlebrush Block Copolymers. <i>Macromolecules</i> , <b>2020</b> , 53, 3602-3610  | 5.5 | 20 |
| 85  | Structure and properties of electrospun poly(vinylidene fluoride)/polycarbonate membranes after hot-press. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 774-781   | 2.9 | 20 |

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| 84 | Handwritable one-dimensional photonic crystals prepared from dendronized brush block copolymers. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1519-1525  | 4.9  | 20 |
| 83 | Preparation of C/NiNiO composite nanofibers for anode materials in lithium-ion batteries. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 113, 683-692  | 2.6  | 19 |
| 82 | Self-accelerated biodegradation of electrospun poly(ethylene glycol)/poly(l-lactide) membranes by loading proteinase K. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 618-626   | 4.7  | 19 |
| 81 | Temperature and pH Dual-Responsive Supramolecular Polymer Hydrogels Hybridized with Functional Inorganic Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600540   | 2.6  | 18 |
| 80 | In situ formation of adhesive hydrogels based on PL with laterally grafted catechol groups and their bonding efficacy to wet organic substrates. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 273                    | 4.5  | 18 |
| 79 | Controllable dual-release of dexamethasone and bovine serum albumin from PLGA/tricalcium phosphate composite scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2011</b> , 96, 139-51                       | 3.5  | 18 |
| 78 | Controlled release of BSA by microsphere-incorporated PLGA scaffolds under cyclic loading. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 350-356  | 8.3  | 18 |
| 77 | Enhancement of icephobic properties based on UV-curable fluorosilicone copolymer films. <i>RSC Advances</i> , <b>2015</b> , 5, 90578-90587   | 3.7  | 17 |
| 76 | Surface Modification of Acrylonitrile Copolymer Membranes by Grafting Acrylamide. II. Initiation by Fe <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 69, 1907-1915                          | 2.9  | 17 |
| 75 | Synthesis and characterization of core-shell polyacrylate latex containing fluorine/silicone in the shell and the self-stratification film. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 203-211  | 2.4  | 16 |
| 74 | Electrospun PELCL membranes loaded with QK peptide for enhancement of vascular endothelial cell growth. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 106   | 4.5  | 16 |
| 73 | Diverse release behaviors of water-soluble bioactive substances from fibrous membranes prepared by emulsion and suspension electrospinning. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1244-59                        | 3.5  | 15 |
| 72 | 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. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 371-382 | 5.4  | 15 |
| 71 | Trehalose-functional glycopeptide enhances glycerol-free cryopreservation of red blood cells. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5695-5703   | 7.3  | 13 |
| 70 | Fluorosilicone multi-block copolymers tethering quaternary ammonium salt groups for antimicrobial purpose. <i>Applied Surface Science</i> , <b>2015</b> , 347, 231-241   | 6.7  | 13 |
| 69 | One-step fabrication of a superhydrophobic polymer surface from an acrylic copolymer containing POSS by spraying. <i>RSC Advances</i> , <b>2014</b> , 4, 62694-62697   | 3.7  | 13 |
| 68 | Self-crosslinking coatings of fluorinated polysiloxanes with enhanced icephobicity. <i>Thin Solid Films</i> , <b>2017</b> , 639, 113-122   | 2.2  | 13 |
| 67 | Controlled release of bovine serum albumin from electrospun fibrous membranes via an improved emulsion-core technique. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e181-2  | 11.7 | 13 |



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| 66 | Modification of electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membranes through the introduction of poly(ethylene glycol) dimethacrylate. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 3104-3112                              | 2.9 | 13 |
| 65 | Electrospinning of ultrafine PVDF/PC fibers from their dispersed solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 372-380   | 2.6 | 13 |
| 64 | Self-assembly of magnetic poly(ionic liquid)s and ionic liquids in aqueous solution. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 5116-5122   | 4.9 | 13 |
| 63 | Surface modification of acrylonitrile copolymer membranes by grafting acrylamide. III. Kinetics and reaction mechanism initiating by Fe <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 69, 1917-1921 | 2.9 | 12 |
| 62 | Inorganic/organic hybrid magnetic polymers based on POSS and pyridinium FeCl <sub>4</sub> : the effect of self-assembly. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4604-4610  | 4.9 | 11 |
| 61 | Tadpole-shaped magnetic block copolymer: Self-assembly induced increase of magnetic susceptibility. <i>Polymer</i> , <b>2018</b> , 135, 9-15   | 3.9 | 11 |
| 60 | Performance of TMC-g-PEG-VAPG/miRNA-145 complexes in electrospun membranes for target-regulating vascular SMCs. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 182, 110369  | 6   | 10 |
| 59 | Surface modification of acrylonitrile copolymer membranes by grafting acrylamide. I. Initiation by ceric ions. <i>Journal of Applied Polymer Science</i> , <b>1997</b> , 66, 1521-1529   | 2.9 | 10 |
| 58 | Amphiphilic Copolymers Containing POSS and SBMA with -Vinylcaprolactam and -Vinylpyrrolidone for THF Hydrate Inhibition. <i>ACS Omega</i> , <b>2018</b> , 3, 7371-7379   | 3.9 | 10 |
| 57 | Alcohols responsive photonic crystals prepared by self-assembly of dendronized block copolymers. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 139, 162-169  | 4.6 | 9  |
| 56 | Thermal property of photonic crystals (PCs) prepared by solvent annealing self-assembly of bottlebrush PS-b-PtBA. <i>Polymer</i> , <b>2020</b> , 194, 122389   | 3.9 | 9  |
| 55 | From Paramagnetic to Superparamagnetic Ionic Liquid/Poly(ionic liquid): The Effect of $\pi$ -Stacking Interaction. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1504-1510   | 6.6 | 9  |
| 54 | Synthesis of paramagnetic polymers based on polyethyleneimine (PEI). <i>RSC Advances</i> , <b>2015</b> , 5, 92207-92211  | 3.1 | 9  |
| 53 | CoSn/carbon composite nanofibers for applications as anode in lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1   | 2.3 | 9  |
| 52 | Extraction and isolation of type I, III and V collagens and their SDS-PAGE analyses. <i>Transactions of Tianjin University</i> , <b>2011</b> , 17, 111-117   | 2.9 | 9  |
| 51 | Progress of synthesizing methods and properties of fluorinated carbon nanotubes. <i>Science China Technological Sciences</i> , <b>2010</b> , 53, 1225-1233   | 3.5 | 9  |
| 50 | Poly(amino acid-hydroxyethyl methacrylate)s with chiral lysine and/or leucine side moieties and their antibacterial abilities for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 76, 1112-1120                            | 8.3 | 8  |
| 49 | Enhancing Membrane-Disruptive Activity via Hydrophobic Phenylalanine and Lysine Tethered to Poly(aspartic acid). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14538-14547   | 9.5 | 8  |

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| 48 | Enhanced anti-icing properties of branched PDMS coatings with self-regulated surface patterns. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 960-970   | 3.5 | 8 |
| 47 | Crosslinked Ionic Alginate and Cellulose-based Hydrogels for Photoresponsive Drug Release Systems. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 45-54  | 2   | 8 |
| 46 | Grafting of poly(lauryl acrylate) onto nano-silica by click chemistry. <i>Chemical Research in Chinese Universities</i> , <b>2014</b> , 30, 339-342  | 2.2 | 8 |
| 45 | Determination of the Pressure Dependence of the Shear Viscosity of Polymer Melts Using a Capillary Rheometer with an Attached Counter Pressure Chamber. <i>Journal of Macromolecular Science - Physics</i> , <b>2015</b> , 54, 1029-1041 | 1.4 | 8 |
| 44 | PREPARATION AND PROPERTIES OF ELECTROSPUN POLY( $\epsilon$ -CAPROLACTONE)/POLYPYRROLE MEMBRANES. <i>Acta Polymerica Sinica</i> , <b>2010</b> , 010, 1094-1099  |     | 8 |
| 43 | Ceiling Degree of Polymerization for Brush Polymers Prepared via ROMP of Poly(tert-Butyl Acrylate) Macromonomers. <i>Chemical Research in Chinese Universities</i> , <b>2018</b> , 34, 828-832   | 2.2 | 8 |
| 42 | Membrane Stabilization of Poly(ethylene glycol)--polypeptide--trehalose Assists Cryopreservation of Red Blood Cells.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 3294-3303  | 4.1 | 7 |
| 41 | In situ encapsulation of hydrogel in ultrafine fibers by suspension electrospinning. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 2695-2704  | 2.3 | 7 |
| 40 | Combination of hydrophobically modified poly(glutamic acid) and trehalose achieving high cryosurvival of RBCs. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 806-816   | 3.5 | 7 |
| 39 | Encapsulating Microorganisms inside Electrospun Microfibers as a Living Material Enables Room-Temperature Storage of Microorganisms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38799-38806                       | 9.5 | 7 |
| 38 | Effect of polyhedral oligomeric silsesquioxane and sorbitol on properties of isotactic polypropylene. <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 303-307   | 2.2 | 6 |
| 37 | Preparation of X-ray developable LDPE/SA-BaSO <sub>4</sub> composites and their thermal and mechanical properties. <i>Polymer Composites</i> , <b>2016</b> , 37, 1396-1406   | 3   | 6 |
| 36 | Improving crystallization behaviors of isotactic polypropylene via a new POSS-sorbitol compound. <i>Polymer Engineering and Science</i> , <b>2017</b> , 57, 357-364  | 2.3 | 6 |
| 35 | Fibre/Microsphere Membranes with Continuous BMP-2 Gradients with Potential Applications in Interface-tissue Engineering. <i>Australian Journal of Chemistry</i> , <b>2014</b> , 67, 159  | 1.2 | 6 |
| 34 | Effect of degradation of PLGA and PLGA/ $\beta$ -TCP scaffolds on the growth of osteoblasts. <i>Science Bulletin</i> , <b>2011</b> , 56, 982-986   |     | 6 |
| 33 | Development of Icephilic ACTIVE Glycopeptides for Cryopreservation of Human Erythrocytes.. <i>Biomacromolecules</i> , <b>2021</b> ,  | 6.9 | 6 |
| 32 | Degradation of electrospun poly(L-lactide) membranes under cyclic loading. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, E258-E266  | 2.9 | 5 |
| 31 | Preparation of fiber-microsphere scaffolds for loading bioactive substances in gradient amounts. <i>Science Bulletin</i> , <b>2013</b> , 58, 3415-3421   |     | 5 |



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| 30 | Controlled release of dexamethasone from porous PLGA scaffolds under cyclic loading. <i>Science China Chemistry</i> , <b>2010</b> , 53, 594-598  | 7.9  | 5 |
| 29 | Compositional Dependence of Static Shear Viscosity of Immiscible PP/PS Blends. <i>Journal of Macromolecular Science - Physics</i> , <b>2007</b> , 46, 651-665  | 1.4  | 5 |
| 28 | Drug-loaded ultrafine poly(vinyl alcohol) fibre mats prepared by electrospinning. <i>E-Polymers</i> , <b>2005</b> , 5,   | 2.7  | 5 |
| 27 | Magnetic monomers and polymers based on alkyl-imidazolium FeCl <sub>4</sub> : The effect of alkyl chain length. <i>Polymer</i> , <b>2018</b> , 157, 32-37  | 3.9  | 5 |
| 26 | Facile preparation of PLGA microspheres with diverse internal structures by modified double-emulsion method for controlled release. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 896-906 | 2.3  | 4 |
| 25 | Friction and wear properties of phenolic composites with dual inorganic oxide-modified titanate whiskers. <i>Polymer Composites</i> , <b>2020</b> , 41, 3282-3293                                      | 3    | 4 |
| 24 | Preparation and mineralization of PLGA/Gt electrospun fiber mats. <i>Science Bulletin</i> , <b>2009</b> , 54, 1328-1333  | 10.6 | 4 |
| 23 | Facilitating trehalose entry into hRBCs at 4 °C by alkylated $\beta$ -poly(L-lysine) for glycerol-free cryopreservation.. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,                      | 7.3  | 4 |
| 22 | Self-healing anti-icing coatings prepared from PDMS polyurea. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 1535-1543  | 3.5  | 4 |
| 21 | Antifogging and antibacterial properties of amphiphilic coatings based on zwitterionic copolymers. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 817-826                             | 3.5  | 4 |
| 20 | Cryopreservation of human erythrocytes through high intracellular trehalose with membrane stabilization of maltotriose-grafted $\beta$ -poly(L-lysine). <i>Journal of Materials Chemistry B</i> ,      | 7.3  | 4 |
| 19 | Carbon nanotubes grown on electrospun polyacrylonitrile-based carbon nanofibers via chemical vapor deposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 106, 863-869 | 2.6  | 3 |
| 18 | Effect of benzyl triethylammonium chloride on microstructure of bicomponent polymeric fibers during electrospinning. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 1661-1671              | 2.3  | 3 |
| 17 | PROPERTIES OF ULTRAFINE FIBROUS POLY(VINYL ALCOHOL) MEMBRANES BY ELECTROSPINNING. <i>Acta Polymerica Sinica</i> , <b>2006</b> , 006, 294-297   |      | 3 |
| 16 | Electrospinning of Biomaterials for Vascular Regeneration. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 394-403  | 2.2  | 3 |
| 15 | High impact strength for polypropylene/titanate whisker composites with dual compatibilizing agents. <i>Polymer Composites</i> , <b>2019</b> , 40, 3421-3428   | 3    | 3 |
| 14 | Effect of Inorganic Fillers on Morphology and Mechanical Properties of PA66/POE-g-MAH/Filler Composites. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 484-492                | 1.4  | 2 |
| 13 | High impact strength of polypropylene composites with complex titanate whiskers/multiwalled carbon nanotubes. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1                                 | 2.7  | 2 |

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| 12 | Pyrene-Enhanced Ferromagnetic Interaction in a FeCl <sub>4</sub> -Based Poly(ionic liquid)s Organic Magnet. <i>Macromolecules</i> , <b>2021</b> , 54, 4227-4235  | 5.5  | 2 |
| 11 | From Polymerization Inhibition to Controlled Ring-Opening Metathesis Polymerization of Macromonomers with Tertiary Amine Groups: The Effect of Spacer Chain. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1927-1935                                   | 4.9  | 2 |
| 10 | Improvement of mechanical properties for epoxy composites with modified titanate whiskers via dopamine self-oxidation. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1  | 2.7  | 2 |
| 9  | Magnetic Poly(ionic liquid)s: Bottlebrush versus Linear Structures. <i>Macromolecules</i> , <b>2022</b> , 55, 2067-2074  | 5.5  | 2 |
| 8  | Development of cationic block copolymers for gene delivery. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e32  | 11.7 | 1 |
| 7  | High grafting density of cyclodextrin polymer for fast removal of aromatic compounds from water. <i>RSC Advances</i> , <b>2015</b> , 5, 47998-48004  | 3.7  | 1 |
| 6  | Preparation of Poly( $\epsilon$ -caprolactone)/Poly(ester amide) Electrospun Membranes for Vascular Repair. <i>Chemical Research in Chinese Universities</i> , 1   | 2.2  | 1 |
| 5  | Dual-Mode Fluorescence and Magnetic Resonance Imaging by Perylene Diimide-Based Gd-Containing Magnetic Ionic Liquids. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 6405-6414   | 5.5  | 1 |
| 4  | Modulation of vascular endothelial cells under shear stress on electrospun membranes containing REDV and microRNA-126. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2021</b> , 70, 1090-1099                              | 3    | 1 |
| 3  | In Situ Internal Strengthened Carbon Nanotube Carpets on Graphene for Anti-Icing Application. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 10952-10959   | 5.6  | 0 |
| 2  | Endowing antibacterial ability to poly( $\epsilon$ -caprolactone) by blending with cationic $\beta$ -zwitterionic copolymers for biomedical purposes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 69, 885-895 | 3    | 0 |
| 1  | Enhancing mechanical properties of high-density polyethylene/polydopamine-modified basalt fiber composites via synergistic compatibilizers. <i>Polymer Composites</i> , <b>2022</b> , 43, 1136-1146  | 3    | 0 |