

Yunhui Zhao

List of Publications by Year in descending order

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74
papers

2,305
citations

201674

27
h-index

223800

46
g-index

75
all docs

75
docs citations

75
times ranked

3060
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enhancing mechanical properties of high-density polyethylene/polydopamine-modified basalt fiber composites via synergistic compatibilizers. <i>Polymer Composites</i> , 2022, 43, 1136-1146. | 4.6 | 4 |
| 2 | Combination of hydrophobically modified β -poly(glutamic acid) and trehalose achieving high cryosurvival of RBCs. <i>Science China Technological Sciences</i> , 2021, 64, 806-816. | 4.0 | 14 |
| 3 | 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> , 2021, 70, 1090-1099. | 3.4 | 6 |
| 4 | Antifogging and antibacterial properties of amphiphilic coatings based on zwitterionic copolymers. <i>Science China Technological Sciences</i> , 2021, 64, 817-826. | 4.0 | 11 |
| 5 | Improvement of mechanical properties for epoxy composites with modified titanate whiskers via dopamine self-oxidation. <i>Journal of Polymer Research</i> , 2021, 28, 1. | 2.4 | 3 |
| 6 | Self-healing anti-icing coatings prepared from PDMS polyurea. <i>Science China Technological Sciences</i> , 2021, 64, 1535-1543. | 4.0 | 7 |
| 7 | Endowing antibacterial ability to poly(μ -caprolactone) by blending with cationic-zwitterionic copolymers for biomedical purposes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 885-895. | 3.4 | 1 |
| 8 | High impact strength of polypropylene composites with complex titanate whiskers/multiwalled carbon nanotubes. <i>Journal of Polymer Research</i> , 2020, 27, 1. | 2.4 | 2 |
| 9 | Friction and wear properties of phenolic composites with dual inorganic oxide-modified titanate whiskers. <i>Polymer Composites</i> , 2020, 41, 3282-3293. | 4.6 | 7 |
| 10 | Enhanced anti-icing properties of branched PDMS coatings with self-regulated surface patterns. <i>Science China Technological Sciences</i> , 2020, 63, 960-970. | 4.0 | 12 |
| 11 | Antifogging/Antibacterial Coatings Constructed by <i>N</i> -Hydroxyethylacrylamide and Quaternary Ammonium-Containing Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12305-12316. | 8.0 | 62 |
| 12 | Local Delivery of Dual MicroRNAs in Trilayered Electrospun Grafts for Vascular Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6863-6875. | 8.0 | 61 |
| 13 | Structure Memory Photonic Crystals Prepared by Hierarchical Self-Assembly of Semicrystalline Bottlebrush Block Copolymers. <i>Macromolecules</i> , 2020, 53, 3602-3610. | 4.8 | 33 |
| 14 | Membrane Stabilization of Poly(ethylene glycol)- <i>b</i> -polypeptide- <i>g</i> -trehalose Assists Cryopreservation of Red Blood Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 3294-3303. | 4.6 | 16 |
| 15 | Performance of TMC- <i>g</i> -PEG-VAPG/miRNA-145 complexes in electrospun membranes for target-regulating vascular SMCs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110369. | 5.0 | 22 |
| 16 | From Paramagnetic to Superparamagnetic Ionic Liquid/Poly(ionic liquid): The Effect of π - π Stacking Interaction. <i>ACS Macro Letters</i> , 2019, 8, 1504-1510. | 4.8 | 19 |
| 17 | Trehalose-functional glycopeptide enhances glycerol-free cryopreservation of red blood cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5695-5703. | 5.8 | 25 |
| 18 | Enhancing Membrane-Disruptive Activity via Hydrophobic Phenylalanine and Lysine Tethered to Poly(aspartic acid). <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14538-14547. | 8.0 | 15 |

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|----|---|-----|-----------|
| 19 | Handwritable one-dimensional photonic crystals prepared from dendronized brush block copolymers. <i>Polymer Chemistry</i> , 2019, 10, 1519-1525. | 3.9 | 25 |
| 20 | Icephobic Durability of Branched PDMS Slippage Coatings Co-Cross-Linked by Functionalized POSS. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4654-4666. | 8.0 | 58 |
| 21 | 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> , 2019, 107, 371-382. | 4.0 | 24 |
| 22 | High impact strength for polypropylene/titanate whisker composites with dual compatibilizing agents. <i>Polymer Composites</i> , 2019, 40, 3421-3428. | 4.6 | 4 |
| 23 | 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> , 2018, 85, 37-46. | 7.3 | 45 |
| 24 | Integrated antibacterial and antifouling surfaces via cross-linking chitosan-g-eugenol/zwitterionic copolymer on electrospun membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 151-159. | 5.0 | 39 |
| 25 | Improvement of anti-icing properties of low surface energy coatings by introducing phase-change microcapsules. <i>Polymer Engineering and Science</i> , 2018, 58, 973-979. | 3.1 | 43 |
| 26 | Antimicrobial eugenol-loaded electrospun membranes of poly(ϵ -caprolactone)/gelatin incorporated with REDV for vascular graft applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 335-344. | 5.0 | 52 |
| 27 | Formation of zwitterionic coatings with an aqueous lubricating layer for antifogging/anti-icing applications. <i>Progress in Organic Coatings</i> , 2018, 115, 56-64. | 3.9 | 62 |
| 28 | Ceiling Degree of Polymerization for Brush Polymers Prepared via ROMP of Poly(<i>tert</i> -Butyl Acrylate) Macromonomers. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 828-832. | 2.6 | 9 |
| 29 | Antibacterial PCL electrospun membranes containing synthetic polypeptides for biomedical purposes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 330-337. | 5.0 | 36 |
| 30 | Mechanical properties of polypropylene by diversely compatibilizing with titanate whiskers in composites. <i>Composites Science and Technology</i> , 2018, 164, 103-109. | 7.8 | 16 |
| 31 | Amphiphilic Copolymers Containing POSS and SBMA with <i>N</i> -Vinylcaprolactam and <i>N</i> -Vinylpyrrolidone for THF Hydrate Inhibition. <i>ACS Omega</i> , 2018, 3, 7371-7379. | 3.5 | 12 |
| 32 | One-dimensional photonic crystals prepared by self-assembly of brush block copolymers with broad PDI. <i>Journal of Materials Science</i> , 2018, 53, 16160-16168. | 3.7 | 24 |
| 33 | Temperature and pH Dual-Responsive Supramolecular Polymer Hydrogels Hybridized with Functional Inorganic Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600540. | 2.2 | 21 |
| 34 | 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> , 2017, 76, 1112-1120. | 7.3 | 8 |
| 35 | Amphiphilic Antifogging/Anti-Icing Coatings Containing POSS-PDMAEMA- <i>b</i> -PSBMA. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22959-22969. | 8.0 | 113 |
| 36 | Highly icephobic properties on slippery surfaces formed from polysiloxane and fluorinated POSS. <i>Progress in Organic Coatings</i> , 2017, 103, 48-59. | 3.9 | 44 |

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|----|--|-----|-----------|
| 37 | Improving crystallization behaviors of isotactic polypropylene via a new POSS-sorbitol compound. <i>Polymer Engineering and Science</i> , 2017, 57, 357-364. | 3.1 | 9 |
| 38 | Electrospun PELCL membranes loaded with QK peptide for enhancement of vascular endothelial cell growth. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 106. | 3.6 | 22 |
| 39 | Nanofiber-mediated microRNA-126 delivery to vascular endothelial cells for blood vessel regeneration. <i>Acta Biomaterialia</i> , 2016, 43, 303-313. | 8.3 | 91 |
| 40 | Peptide-modified PELCL electrospun membranes for regulation of vascular endothelial cells. <i>Materials Science and Engineering C</i> , 2016, 68, 623-631. | 7.3 | 33 |
| 41 | Strategies for anti-icing: low surface energy or liquid-infused?. <i>RSC Advances</i> , 2016, 6, 70251-70260. | 3.6 | 118 |
| 42 | UV-curable POSS-fluorinated methacrylate diblock copolymers for icephobic coatings. <i>Progress in Organic Coatings</i> , 2016, 93, 87-96. | 3.9 | 46 |
| 43 | Submicron/nano-structured icephobic surfaces made from fluorinated polymethylsiloxane and octavinyl-POSS. <i>Applied Surface Science</i> , 2016, 360, 113-120. | 6.1 | 33 |
| 44 | Development of cationic block copolymers for gene delivery. <i>Journal of Controlled Release</i> , 2015, 213, e32. | 9.9 | 2 |
| 45 | High grafting density of cyclodextrin polymer for fast removal of aromatic compounds from water. <i>RSC Advances</i> , 2015, 5, 47998-48004. | 3.6 | 1 |
| 46 | Synthesis of paramagnetic polymers based on polyethyleneimine (PEI). <i>RSC Advances</i> , 2015, 5, 92207-92211. | 3.6 | 12 |
| 47 | Polydimethylsiloxane-polymethacrylate block copolymers tethering quaternary ammonium salt groups for antimicrobial coating. <i>Applied Surface Science</i> , 2015, 328, 183-192. | 6.1 | 35 |
| 48 | Facile preparation of PLGA microspheres with diverse internal structures by modified double-emulsion method for controlled release. <i>Polymer Engineering and Science</i> , 2015, 55, 896-906. | 3.1 | 7 |
| 49 | Fluorosilicone multi-block copolymers tethering quaternary ammonium salt groups for antimicrobial purpose. <i>Applied Surface Science</i> , 2015, 347, 231-241. | 6.1 | 15 |
| 50 | Effect of polyhedral oligomeric silsesquioxane and sorbitol on properties of isotactic polypropylene. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 303-307. | 2.6 | 6 |
| 51 | Enhancement of icephobic properties based on UV-curable fluorosilicone copolymer films. <i>RSC Advances</i> , 2015, 5, 90578-90587. | 3.6 | 20 |
| 52 | Formation of icephobic film from POSS-containing fluorosilicone multi-block methacrylate copolymers. <i>Progress in Organic Coatings</i> , 2015, 89, 150-159. | 3.9 | 28 |
| 53 | Synthesis of POSS-containing fluorosilicone block copolymers via RAFT polymerization for application as non-wetting coating materials. <i>Progress in Organic Coatings</i> , 2015, 78, 188-199. | 3.9 | 34 |
| 54 | A pilot study of conically graded chitosan-gelatin hydrogel/PLGA scaffold with dual delivery of TGF- β 1 and BMP-2 for regeneration of cartilage-bone interface. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1344-1353. | 3.4 | 70 |

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|----|--|------|-----------|
| 55 | Grafting of poly(lauryl acrylate) onto nano-silica by "click chemistry"™. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 339-342. | 2.6 | 11 |
| 56 | Preparation of C/Ni@NiO composite nanofibers for anode materials in lithium-ion batteries. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 683-692. | 2.3 | 22 |
| 57 | Preparation of fiber-microsphere scaffolds for loading bioactive substances in gradient amounts. <i>Science Bulletin</i> , 2013, 58, 3415-3421. | 1.7 | 7 |
| 58 | Facile preparation of superhydrophobic coating by spraying a fluorinated acrylic random copolymer micelle solution. <i>Soft Matter</i> , 2013, 9, 1005-1009. | 2.7 | 64 |
| 59 | Dual-delivery of VEGF and PDGF by double-layered electrospun membranes for blood vessel regeneration. <i>Biomaterials</i> , 2013, 34, 2202-2212. | 11.4 | 242 |
| 60 | CoSn/carbon composite nanofibers for applications as anode in lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1. | 1.9 | 11 |
| 61 | Preparation and Characterization of Melamine-Formaldehyde Resin Micro- and Nanocapsules Filled with Dodecane. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1976-1990. | 1.0 | 35 |
| 62 | In situ encapsulation of hydrogel in ultrafine fibers by suspension electrospinning. <i>Polymer Engineering and Science</i> , 2012, 52, 2695-2704. | 3.1 | 10 |
| 63 | Effect of benzyl triethylammonium chloride on microstructure of bicomponent polymeric fibers during electrospinning. <i>Polymer Engineering and Science</i> , 2012, 52, 1661-1671. | 3.1 | 3 |
| 64 | Degradation of electrospun poly(L-lactide) membranes under cyclic loading. <i>Journal of Applied Polymer Science</i> , 2012, 124, E258. | 2.6 | 6 |
| 65 | Carbon nanotubes grown on electrospun polyacrylonitrile-based carbon nanofibers via chemical vapor deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 863-869. | 2.3 | 3 |
| 66 | 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> , 2012, 290, 203-211. | 2.1 | 20 |
| 67 | Effect of degradation of PLGA and PLGA/β-TCP scaffolds on the growth of osteoblasts. <i>Science Bulletin</i> , 2011, 56, 982-986. | 1.7 | 9 |
| 68 | Structure and properties of electrospun poly(vinylidene fluoride)/polycarbonate membranes after hot-press. <i>Journal of Applied Polymer Science</i> , 2011, 122, 774-781. | 2.6 | 21 |
| 69 | Controlled release of dexamethasone from porous PLGA scaffolds under cyclic loading. <i>Science China Chemistry</i> , 2010, 53, 594-598. | 8.2 | 5 |
| 70 | Electrospinning of ultrafine core/shell fibers for biomedical applications. <i>Science China Chemistry</i> , 2010, 53, 1246-1254. | 8.2 | 60 |
| 71 | Electrospinning of ultrafine PVDF/PC fibers from their dispersed solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 372-380. | 2.1 | 14 |
| 72 | Preparation and antibacterial activity of electrospun chitosan/poly(ethylene oxide) membranes containing silver nanoparticles. <i>Colloid and Polymer Science</i> , 2009, 287, 1425-1434. | 2.1 | 153 |

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|----|--|-----|-----------|
| 73 | Low-temperature plasma induced grafting of 2-methacryloyloxyethyl phosphorylcholine onto poly(tetrafluoroethylene) films. Transactions of Tianjin University, 2009, 15, 355-359. | 6.4 | 3 |
| 74 | 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. | 2.6 | 69 |