# Jinlin He

## List of Publications by Citations



| 91 | 2,348 | 30 | 42 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| 95 | 2,667 | 5.5 | 5.2 |
| ext. papers | ext. citations | avg, IF | L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 91 | Geometry induced sequence of nanoscale Frank-Kasper and quasicrystal mesophases in giant surfactants. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14195-14200 | 11.5 | 155 |
| 90 | Synthesis and Micellization of pH/Temperature-Responsive Double-Hydrophilic Diblock Copolymers Polyphosphoester-block-poly[2-(dimethylamino)ethyl methacrylate] Prepared via ROP and ATRP. *Macromolecules*, **2010**, 43, 4771-4781 | 5.5 | 93 |
| 89 | Biocompatible and pH-responsive triblock copolymer mPEG-b-PCL-b-PDMAEMA: Synthesis, self-assembly, and application. *Journal of Polymer Science Part A*, **2010**, 48, 1079-1091 | 2.5 | 92 |
| 88 | A new pathway towards polymer modified cellulose nanocrystals via a grafting onto process for drug delivery. *Polymer Chemistry*, **2015**, 6, 4206-4209 | 4.9 | 69 |
| 87 | A polyphosphoester-conjugated camptothecin prodrug with disulfide linkage for potent reduction-triggered drug delivery. *Journal of Materials Chemistry B*, **2015**, 3, 4922-4932 | 7.3 | 64 |
| 86 | Biocompatible and acid-cleavable poly(caprolactone)-acetal-poly(ethylene glycol)-acetal-poly(caprolactone) triblock copolymers: synthesis, characterization and pH-triggered doxorubicin delivery. *Journal of Materials Chemistry B*, **2013**, 1, 6596-6607 | 7.3 | 57 |
| 85 | Development of plasma-treated polypropylene nonwoven-based composites for high-performance lithium-ion battery separators. *Electrochimica Acta*, **2015**, 167, 396-403 | 6.7 | 53 |
| 84 | Effects of fluorinated SiO2 nanoparticles on the thermal and electrochemical properties of PP nonwoven/PVdF-HFP composite separator for Li-ion batteries. *Journal of Membrane Science*, **2014**, 455, 368-374 | 9.6 | 49 |
| 83 | Galactosylated reduction and pH dual-responsive triblock terpolymer Gal-PEEP-a-PCL-ss-PDMAEMA: a multifunctional carrier for the targeted and simultaneous delivery of doxorubicin and DNA. *Polymer Chemistry*, **2014**, 5, 5124-5138 | 4.9 | 47 |
| 82 | Synthesis of an acid-labile polymeric prodrug DOX-acetal-PEG-acetal-DOX with high drug loading content for pH-triggered intracellular drug release. *Polymer Chemistry*, **2015**, 6, 4809-4818 | 4.9 | 46 |
| 81 | Synthesis and characterization of amphiphilic fluorinated pentablock copolymers based on Pluronic F127. *Journal of Polymer Science Part A*, **2008**, 46, 3029-3041 | 2.5 | 45 |
| 80 | Fluorinated polyhedral oligomeric silsesquioxane-based shape amphiphiles: molecular design, topological variation, and facile synthesis. *Polymer Chemistry*, **2012**, 3, 2112 | 4.9 | 44 |
| 79 | A pH-sensitive and biodegradable supramolecular hydrogel constructed from a PEGylated polyphosphoester-doxorubicin prodrug and cyclodextrin. *Polymer Chemistry*, **2015**, 6, 5009-5014 | 4.9 | 40 |
| 78 | Polyphosphoester-Camptothecin Prodrug with Reduction-Response Prepared via Michael Addition Polymerization and Click Reaction. *ACS Applied Materials & Interfaces*, **2017**, 9, 13939-13949 | 9.5 | 39 |
| 77 | Synthesis and characterization of a new multifunctional polymeric prodrug paclitaxel polyphosphoester folic acid for targeted drug delivery. *Polymer Chemistry*, **2013**, 4, 4515 | 4.9 | 39 |
| 76 | Novel fluoroalkyl end-capped amphiphilic diblock copolymers with pH/temperature response and self-assembly behavior. *Langmuir*, **2008**, 24, 4647-54 | 4 | 39 |
| 75 | Polymeric prodrugs conjugated with reduction-sensitive dextran camptothecin and pH-responsive dextran doxorubicin: an effective combinatorial drug delivery platform for cancer therapy. *Polymer Chemistry*, **2016**, 7, 4198-4212 | 4.9 | 39 |

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| 74 | Core cross-linked polyphosphoester micelles with folate-targeted and acid-cleavable features for pH-triggered drug delivery. *Polymer Chemistry*, **2015**, 6, 3205-3216 | 4.9 | 38 |
| 73 | Synthesis and characterization of amphiphilic poly(e-caprolactone)-b-polyphosphoester diblock copolymers bearing multifunctional pendant groups. *Polymer*, **2012**, 53, 2854-2863 | 3.9 | 37 |
| 72 | Bi-phase fire-resistant polyethylenimine/graphene oxide/melanin coatings using layer by layer assembly technique: Smoke suppression and thermal stability of flexible polyurethane foams. *Polymer*, **2019**, 170, 65-75 | 3.9 | 36 |
| 71 | Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. *Applied Materials Today*, **2018**, 13, 54-63 | 6.6 | 35 |
| 70 | Synthesis of PEGylated Ferrocene Nanoconjugates as the Radiosensitizer of Cancer Cells. *Bioconjugate Chemistry*, **2016**, 27, 1518-24 | 6.3 | 35 |
| 69 | Dual-Responsive Polyphosphoester-Doxorubicin Prodrug Containing a Diselenide Bond: Synthesis, Characterization, and Drug Delivery. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2443-2452 | 5.5 | 34 |
| 68 | Facile preparation of pH-responsive PEGylated prodrugs for activated intracellular drug delivery. *Chinese Chemical Letters*, **2019**, 30, 2027-2031 | 8.1 | 33 |
| 67 | Photodynamic therapy-triggered on-demand drug release from ROS-responsive core-cross-linked micelles toward synergistic anti-cancer treatment. *Nano Research*, **2019**, 12, 999-1008 | 10 | 33 |
| 66 | Facile approach for DNA encapsulation in functional polyion complex for triggered intracellular gene delivery: design, synthesis, and mechanism. *Langmuir*, **2009**, 25, 5199-208 | 4 | 33 |
| 65 | Development of a thermosensitive protein conjugated nanogel for enhanced radio-chemotherapy of cancer. *Nanoscale*, **2018**, 10, 13976-13985 | 7.7 | 33 |
| 64 | Precision Synthesis and Distinct Assembly of Double-Chain Giant Surfactant Regioisomers. *Macromolecules*, **2017**, 50, 3943-3953 | 5.5 | 31 |
| 63 | Folate-Conjugated Polyphosphoester with Reversible Cross-Linkage and Reduction Sensitivity for Drug Delivery. *ACS Applied Materials & Interfaces*, **2018**, 10, 7811-7820 | 9.5 | 31 |
| 62 | Multifunctional Polymeric Prodrug with Simultaneous Conjugating Camptothecin and Doxorubicin for pH/Reduction Dual-Responsive Drug Delivery. *ACS Applied Materials & Interfaces*, **2019**, 11, 8740-8748 | 9.5 | 30 |
| 61 | Galactosylated biodegradable poly(□caprolactone-co-phosphoester) random copolymer nanoparticles for potent hepatoma-targeting delivery of doxorubicin. *Polymer Chemistry*, **2014**, 5, 3443-3452 | 4.9 | 30 |
| 60 | Precise modular synthesis and a structure□property study of acid-cleavable star-block copolymers for pH-triggered drug delivery. *Polymer Chemistry*, **2015**, 6, 1553-1566 | 4.9 | 29 |
| 59 | Fabrication of a novel sandwich-like composite separator with enhanced physical and electrochemical performances for lithium-ion battery. *Journal of Power Sources*, **2015**, 290, 53-60 | 8.9 | 29 |
| 58 | Rapidly in situ forming polyphosphoester-based hydrogels for injectable drug delivery carriers. *Soft Matter*, **2012**, 8, 6033 | 3.6 | 29 |
| 57 | Fabrication of Cyclic Brush Copolymers with Heterogeneous Amphiphilic Polymer Brushes for Controlled Drug Release. *Macromolecules*, **2018**, 51, 7672-7679 | 5.5 | 28 |

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| 56 | Cross-linked porous polymer separator using vinyl-modified aluminum oxide nanoparticles as cross-linker for lithium-ion batteries. *Electrochimica Acta*, **2019**, 307, 495-502 | 6.7 | 27 |
| 55 | Synthesis and physicochemical characterization of biodegradable and pH-responsive hydrogels based on polyphosphoester for protein delivery. *Journal of Polymer Science Part A*, **2010**, 48, 1919-1930 | 2.5 | 27 |
| 54 | Injectable supramolecular hydrogels fabricated from PEGylated doxorubicin prodrug and □-cyclodextrin for pH-triggered drug delivery. *RSC Advances*, **2015**, 5, 54658-54666 | 3.7 | 26 |
| 53 | Synthesis of an acid-cleavable and fluorescent amphiphilic block copolymer as a combined delivery vector of DNA and doxorubicin. *Journal of Materials Chemistry B*, **2014**, 2, 4237-4249 | 7.3 | 26 |
| 52 | Dual-responsive core-crosslinked polyphosphoester-based nanoparticles for pH/redox-triggered anticancer drug delivery. *Journal of Materials Chemistry B*, **2017**, 5, 3771-3782 | 7.3 | 25 |
| 51 | Precise modulation of molecular weight distribution for structural engineering. *Chemical Science*, **2019**, 10, 10698-10705 | 9.4 | 25 |
| 50 | Janus [3:5] Polystyrene□Polydimethylsiloxane Star Polymers with a Cubic Core. *Macromolecules*, **2018**, 51, 419-427 | 5.5 | 24 |
| 49 | Fabrication of Thermosensitive Cyclic Brush Copolymer with Enhanced Therapeutic Efficacy for Anticancer Drug Delivery. *Macromolecular Rapid Communications*, **2018**, 39, 1700744 | 4.8 | 23 |
| 48 | Impaired CXCR4 expression and cell engraftment of bone marrow-derived cells from aged atherogenic mice. *Atherosclerosis*, **2011**, 219, 92-9 | 3.1 | 22 |
| 47 | Preparation of Polymeric Prodrug Paclitaxel-Poly(lactic acid)-b-Polyisobutylene and Its Application in Coatings of a Drug Eluting Stent. *ACS Applied Materials & Interfaces*, **2015**, 7, 11263-71 | 9.5 | 21 |
| 46 | A synergistic polyphosphoester-based co-delivery system of the anticancer drug doxorubicin and the tumor suppressor gene p53 for lung cancer therapy. *Journal of Materials Chemistry B*, **2018**, 6, 3262-3273 | 7.3 | 21 |
| 45 | One-Pot Synthesis of pH/Redox Responsive Polymeric Prodrug and Fabrication of Shell Cross-Linked Prodrug Micelles for Antitumor Drug Transportation. *Bioconjugate Chemistry*, **2018**, 29, 2806-2817 | 6.3 | 21 |
| 44 | Polymer-Doxorubicin Prodrug with Biocompatibility, pH Response, and Main Chain Breakability Prepared by Catalyst-Free Click Reaction. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2307-2315 | 5.5 | 20 |
| 43 | Multicompartment morphologies self-assembled from fluorinated ABC triblock terpolymers: the effects of flexible and rigid hydrophobic moieties. *Polymer Chemistry*, **2016**, 7, 1773-1781 | 4.9 | 20 |
| 42 | A biodegradable polyphosphoester-functionalized poly(disulfide) nanocarrier for reduction-triggered intracellular drug delivery. *Journal of Materials Chemistry B*, **2018**, 6, 7263-7273 | 7.3 | 20 |
| 41 | Improved synthesis of fullerynes by Fisher esterification for modular and efficient construction of fullerene polymers with high fullerene functionality. *Polymer*, **2011**, 52, 4221-4226 | 3.9 | 20 |
| 40 | Rapid and Efficient Anionic Synthesis of Well-Defined Eight-Arm Star Polymers Using OctavinylPOSS and Poly(styryl)lithium. *Macromolecules*, **2012**, 45, 8571-8579 | 5.5 | 19 |
| 39 | A porous cross-linked gel polymer electrolyte separator for lithium-ion batteries prepared by using zinc oxide nanoparticle as a foaming agent and filler. *Electrochimica Acta*, **2018**, 292, 769-778 | 6.7 | 19 |

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| 38 | Fabrication of Polymeric Ferrocene Nanoparticles for Electrochemical Aptasensing of Protein with Target-Catalyzed Hairpin Assembly. *Analytical Chemistry*, **2019**, 91, 9940-9945 | 7.8 | 18 |
| 37 | Anionic synthesis of a □lickable□middle-chain azidefunctionalized polystyrene and its application in shape amphiphiles. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 71-82 | 3.5 | 18 |
| 36 | Magnetic DNA vector constructed from PDMAEMA polycation and PEGylated brush-type polyanion with cross-linkable shell. *Langmuir*, **2012**, 28, 6448-60 | 4 | 18 |
| 35 | Mixed [2 : 6] hetero-arm star polymers based on Janus POSS with precisely defined arm distribution. *Polymer Chemistry*, **2016**, 7, 2381-2388 | 4.9 | 17 |
| 34 | Effect of groups at □position and side-chain structure of comonomers on surface free energy and surface reorganization of fluorinated methacrylate copolymer. *Polymer*, **2017**, 114, 79-87 | 3.9 | 16 |
| 33 | A fully degradable and photocrosslinked polysaccharide-polyphosphate hydrogel for tissue engineering. *Carbohydrate Polymers*, **2019**, 225, 115257 | 10.3 | 16 |
| 32 | Synthesis and characterization of novel brush copolymers with biodegradable polyphosphoester side chains for gene delivery. *Journal of Polymer Science Part A*, **2013**, 51, 2150-2160 | 2.5 | 16 |
| 31 | Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. *Macromolecules*, **2018**, 51, 1110-1119 | 5.5 | 15 |
| 30 | Efficient Click Synthesis of a Protonized and Reduction-Sensitive Amphiphilic Small-Molecule Prodrug Containing Camptothecin and Gemcitabine for a Drug Self-Delivery System. *Molecular Pharmaceutics*, **2019**, 16, 3770-3779 | 5.6 | 15 |
| 29 | Synthesis of amphiphilic cationic copolymers poly[2-(methacryloyloxy)ethyl trimethylammonium chloride-co-stearyl methacrylate] and their self-assembly behavior in water and water-ethanol mixtures. *Journal of Polymer Science Part A*, **2009**, 47, 4670-4684 | 2.5 | 15 |
| 28 | Zwitterionic shielded polymeric prodrug with folate-targeting and pH responsiveness for drug delivery. *Journal of Materials Chemistry B*, **2019**, 7, 786-795 | 7.3 | 14 |
| 27 | A separator based on cross-linked nano-SiO2 and cellulose acetate for lithium-ion batteries. *Electrochimica Acta*, **2020**, 334, 135585 | 6.7 | 14 |
| 26 | Injectable hydrogels by inclusion complexation between a three-armed star copolymer (mPEG-acetal-PCL-acetal-)3 and □cyclodextrin for pH-triggered drug delivery. *RSC Advances*, **2016**, 6, 40858-40868 | 3.7 | 14 |
| 25 | Surface energy and surface reorganization of perfluorohexylethyl methacrylate/n-alkyl (meth)acrylate copolymers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 502, 159-167 | 5.1 | 13 |
| 24 | A twin-tailed tadpole-shaped amphiphilic copolymer of poly(ethylene glycol) and cyclic poly(□caprolactone): synthesis, self-assembly and biomedical applications. *Polymer Chemistry*, **2018**, 9, 4343-4353 | 4.9 | 13 |
| 23 | Discrete Giant Polymeric Chains Based on Nanosized Monomers. *Jacs Au*, **2021**, 1, 79-86 | | 13 |
| 22 | Synthesis of pH-responsive amphiphilic diblock copolymers containing polyisobutylene via oxyanion-initiated polymerization and their multiple self-assembly morphologies. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 218-231 | 3.5 | 11 |
| 21 | Preparation and self-assembly of double hydrophilic poly(ethylethylene phosphate)-block-poly[2-(succinyloxy)ethyl methacrylate] diblock copolymers for drug delivery. *Reactive and Functional Polymers*, **2013**, 73, 579-587 | 4.6 | 10 |

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| 20 | Low-Dose X-ray-Responsive Diselenide Nanocarriers for Effective Delivery of Anticancer Agents. *ACS Applied Materials & Interfaces*, **2020**, 12, 43398-43407 | 9.5 | 10 |
| 19 | Well-defined poly[(dimethylamimo)ethyl methacrylate]-b-poly(fluoroalkyl methacrylate) diblock copolymers: Effects of different fluoroalkyl groups on the solution properties. *Journal of Polymer Science Part A*, **2009**, 47, 2702-2712 | 2.5 | 9 |
| 18 | Effect of sequence structure on wetting behaviors of fluorinated methacrylate polymers based on perfluorohexylethyl methacrylate and stearyl acrylate. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 1061-1072 | 3.5 | 8 |
| 17 | Kinetics of styrene miniemulsion polymerization using poly[(stearyl methacrylate-co-(N,N-dimethylamino)ethyl methacrylate] as surfactant. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 360, 190-197 | 5.1 | 8 |
| 16 | Glucose-Sensitive Polyphosphoester Diblock Copolymer for an Insulin Delivery System. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1553-1564 | 5.5 | 7 |
| 15 | Synthesis and characterization of a biodegradable ABC triblock terpolymer as co-delivery carrier of doxorubicin and DNA. *Journal of Polymer Science Part A*, **2014**, 52, 3005-3016 | 2.5 | 7 |
| 14 | Facile construction of noncovalent graft copolymers with triple stimuli-responsiveness for triggered drug delivery. *Polymer Chemistry*, **2021**, 12, 2152-2164 | 4.9 | 7 |
| 13 | Fabrication of aminated poly(glycidyl methacrylate)-based polymers for co-delivery of anticancer drugs and the p53 gene. *Journal of Materials Chemistry B*, **2020**, 8, 9555-9565 | 7.3 | 6 |
| 12 | CD147 Monoclonal Antibody Targeted Reduction-Responsive Camptothecin Polyphosphoester Nanomedicine for Drug Delivery in Hepatocellular Carcinoma Cells.. *ACS Applied Bio Materials*, **2021**, 4, 4422-4431 | 4.1 | 5 |
| 11 | Versatile Construction of Single-Tailed Giant Surfactants with Hydrophobic Poly(ε-caprolactone) Tail and Hydrophilic POSS Head. *Polymers*, **2019**, 11, | 4.5 | 3 |
| 10 | Folate-conjugated biodegradable core cross-linked polyphosphoester micelles for targeted and pH-triggered drug delivery. *Journal of Controlled Release*, **2015**, 213, e86-7 | 11.7 | 2 |
| 9 | Synthesis of PEGylated brush-type copolymers for a plurality of plug-and-play functions. *RSC Advances*, **2015**, 5, 50019-50023 | 3.7 | 2 |
| 8 | Synthesis and Characterization of PEGylated Brush-type Polycation Modified with Galactosamine. *Acta Chimica Sinica*, **2014**, 72, 569 | 3.3 | 2 |
| 7 | Phase Behaviors of Multi-tailed B2AB2-Type Regio-isomeric Giant Surfactants at the Columnar-Spherical Boundary. *Chinese Journal of Chemistry*, **2021**, 39, 3261 | 4.9 | 2 |
| 6 | APPLICATIONS OF "CLICK" CHEMISTRY IN SYNTHESIS OF TOPOLOGICAL POLYMERS. *Acta Polymerica Sinica*, **2013**, 013, 300-319 | | 1 |
| 5 | Novel pH-responsive polyphosphoester-based hydrogels with fast gelation. *Journal of Controlled Release*, **2011**, 152 Suppl 1, e232-3 | 11.7 | 0 |
| 4 | Glucose-Sensitive Core-Cross-Linked Nanoparticles Constructed with Polyphosphoester Diblock Copolymer for Controlling Insulin Delivery. *Bioconjugate Chemistry*, **2021**, 32, 2095-2107 | 6.3 | 0 |
| 3 | A Codelivery System of Anticancer Drug Doxorubicin and Tumor-Suppressor Gene p53 Based on Polyphosphoester for Lung Cancer Therapy. *Biomaterial Engineering*, **2021**, 1-17 | 0.3 | |

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| 2 | Preparation and Characterization of Microgels and Hydrogels Based on Functional Polyphosphoester Diblock Copolymers. *Acta Polymerica Sinica*, **2014**, 014, 122-130 | |
| 1 | A Codelivery System of Anticancer Drug Doxorubicin and Tumor-Suppressor Gene p53 Based on Polyphosphoester for Lung Cancer Therapy. *Biomaterial Engineering*, **2022**, 505-521 | 0.3 |