

Jinlin He

List of Publications by Year in Descending Order

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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.

91
papers

2,348
citations

30
h-index

42
g-index

95
ext. papers

2,667
ext. citations

5.5
avg, IF

5.2
L-index

#	Paper	IF	Citations
91	A Codelivery System of Anticancer Drug Doxorubicin and Tumor-Suppressor Gene p53 Based on Polyphosphoester for Lung Cancer Therapy. <i>Biomaterial Engineering</i> , 2022 , 505-521	0.3	
90	A Codelivery System of Anticancer Drug Doxorubicin and Tumor-Suppressor Gene p53 Based on Polyphosphoester for Lung Cancer Therapy. <i>Biomaterial Engineering</i> , 2021 , 1-17	0.3	
89	CD147 Monoclonal Antibody Targeted Reduction-Responsive Camptothecin Polyphosphoester Nanomedicine for Drug Delivery in Hepatocellular Carcinoma Cells.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4422-4431	4.1	5
88	Discrete Giant Polymeric Chains Based on Nanosized Monomers. <i>Jacs Au</i> , 2021 , 1, 79-86		13
87	Facile construction of noncovalent graft copolymers with triple stimuli-responsiveness for triggered drug delivery. <i>Polymer Chemistry</i> , 2021 , 12, 2152-2164	4.9	7
86	Phase Behaviors of Multi-tailed B2AB2-Type Regio-isomeric Giant Surfactants at the Columnar-Spherical Boundary. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 3261	4.9	2
85	Glucose-Sensitive Core-Cross-Linked Nanoparticles Constructed with Polyphosphoester Diblock Copolymer for Controlling Insulin Delivery. <i>Bioconjugate Chemistry</i> , 2021 , 32, 2095-2107	6.3	0
84	Glucose-Sensitive Polyphosphoester Diblock Copolymer for an Insulin Delivery System. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1553-1564	5.5	7
83	A separator based on cross-linked nano-SiO ₂ and cellulose acetate for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 334, 135585	6.7	14
82	Low-Dose X-ray-Responsive Diselenide Nanocarriers for Effective Delivery of Anticancer Agents. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43398-43407	9.5	10
81	Fabrication of aminated poly(glycidyl methacrylate)-based polymers for co-delivery of anticancer drugs and the p53 gene. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9555-9565	7.3	6
80	A fully degradable and photocrosslinked polysaccharide-polyphosphate hydrogel for tissue engineering. <i>Carbohydrate Polymers</i> , 2019 , 225, 115257	10.3	16
79	Multifunctional Polymeric Prodrug with Simultaneous Conjugating Camptothecin and Doxorubicin for pH/Reduction Dual-Responsive Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8740-8748	9.5	30
78	Polymer-Doxorubicin Prodrug with Biocompatibility, pH Response, and Main Chain Breakability Prepared by Catalyst-Free Click Reaction. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2307-2315	5.5	20
77	Facile preparation of pH-responsive PEGylated prodrugs for activated intracellular drug delivery. <i>Chinese Chemical Letters</i> , 2019 , 30, 2027-2031	8.1	33
76	Bi-phase fire-resistant polyethylenimine/graphene oxide/melanin coatings using layer by layer assembly technique: Smoke suppression and thermal stability of flexible polyurethane foams. <i>Polymer</i> , 2019 , 170, 65-75	3.9	36
75	Photodynamic therapy-triggered on-demand drug release from ROS-responsive core-cross-linked micelles toward synergistic anti-cancer treatment. <i>Nano Research</i> , 2019 , 12, 999-1008	10	33

74	Versatile Construction of Single-Tailed Giant Surfactants with Hydrophobic Poly(ϵ -caprolactone) Tail and Hydrophilic POSS Head. <i>Polymers</i> , 2019 , 11,	4.5	3
73	Cross-linked porous polymer separator using vinyl-modified aluminum oxide nanoparticles as cross-linker for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 307, 495-502	6.7	27
72	Efficient Click Synthesis of a Protonized and Reduction-Sensitive Amphiphilic Small-Molecule Prodrug Containing Camptothecin and Gemcitabine for a Drug Self-Delivery System. <i>Molecular Pharmaceutics</i> , 2019 , 16, 3770-3779	5.6	15
71	Fabrication of Polymeric Ferrocene Nanoparticles for Electrochemical Aptasensing of Protein with Target-Catalyzed Hairpin Assembly. <i>Analytical Chemistry</i> , 2019 , 91, 9940-9945	7.8	18
70	Zwitterionic shielded polymeric prodrug with folate-targeting and pH responsiveness for drug delivery. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 786-795	7.3	14
69	Precise modulation of molecular weight distribution for structural engineering. <i>Chemical Science</i> , 2019 , 10, 10698-10705	9.4	25
68	A synergistic polyphosphoester-based co-delivery system of the anticancer drug doxorubicin and the tumor suppressor gene p53 for lung cancer therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3262-3273	7.3	21
67	Folate-Conjugated Polyphosphoester with Reversible Cross-Linkage and Reduction Sensitivity for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7811-7820	9.5	31
66	Janus [3:5] Polystyrene-Polydimethylsiloxane Star Polymers with a Cubic Core. <i>Macromolecules</i> , 2018 , 51, 419-427	5.5	24
65	Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. <i>Macromolecules</i> , 2018 , 51, 1110-1119	5.5	15
64	Fabrication of Thermosensitive Cyclic Brush Copolymer with Enhanced Therapeutic Efficacy for Anticancer Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700744	4.8	23
63	A twin-tailed tadpole-shaped amphiphilic copolymer of poly(ethylene glycol) and cyclic poly(ϵ -caprolactone): synthesis, self-assembly and biomedical applications. <i>Polymer Chemistry</i> , 2018 , 9, 4343-4353	4.9	13
62	One-Pot Synthesis of pH/Redox Responsive Polymeric Prodrug and Fabrication of Shell Cross-Linked Prodrug Micelles for Antitumor Drug Transportation. <i>Bioconjugate Chemistry</i> , 2018 , 29, 2806-2817	6.3	21
61	A biodegradable polyphosphoester-functionalized poly(disulfide) nanocarrier for reduction-triggered intracellular drug delivery. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7263-7273	7.3	20
60	Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. <i>Applied Materials Today</i> , 2018 , 13, 54-63	6.6	35
59	A porous cross-linked gel polymer electrolyte separator for lithium-ion batteries prepared by using zinc oxide nanoparticle as a foaming agent and filler. <i>Electrochimica Acta</i> , 2018 , 292, 769-778	6.7	19
58	Fabrication of Cyclic Brush Copolymers with Heterogeneous Amphiphilic Polymer Brushes for Controlled Drug Release. <i>Macromolecules</i> , 2018 , 51, 7672-7679	5.5	28
57	Dual-Responsive Polyphosphoester-Doxorubicin Prodrug Containing a Diselenide Bond: Synthesis, Characterization, and Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2443-2452	5.5	34

56	Development of a thermosensitive protein conjugated nanogel for enhanced radio-chemotherapy of cancer. <i>Nanoscale</i> , 2018 , 10, 13976-13985	7.7	33
55	Effect of groups at θ position and side-chain structure of comonomers on surface free energy and surface reorganization of fluorinated methacrylate copolymer. <i>Polymer</i> , 2017 , 114, 79-87	3.9	16
54	Dual-responsive core-crosslinked polyphosphoester-based nanoparticles for pH/redox-triggered anticancer drug delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3771-3782	7.3	25
53	Precision Synthesis and Distinct Assembly of Double-Chain Giant Surfactant Regioisomers. <i>Macromolecules</i> , 2017 , 50, 3943-3953	5.5	31
52	Polyphosphoester-Camptothecin Prodrug with Reduction-Response Prepared via Michael Addition Polymerization and Click Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13939-13949	9.5	39
51	Effect of sequence structure on wetting behaviors of fluorinated methacrylate polymers based on perfluorohexylethyl methacrylate and stearyl acrylate. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1061-1072	3.5	8
50	Geometry induced sequence of nanoscale Frank-Kasper and quasicrystal mesophases in giant surfactants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14195-14200	11.5	155
49	Surface energy and surface reorganization of perfluorohexylethyl methacrylate/n-alkyl (meth)acrylate copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 502, 159-167	5.1	13
48	Multicompartment morphologies self-assembled from fluorinated ABC triblock terpolymers: the effects of flexible and rigid hydrophobic moieties. <i>Polymer Chemistry</i> , 2016 , 7, 1773-1781	4.9	20
47	Mixed [2 : 6] hetero-arm star polymers based on Janus POSS with precisely defined arm distribution. <i>Polymer Chemistry</i> , 2016 , 7, 2381-2388	4.9	17
46	Polymeric prodrugs conjugated with reduction-sensitive dextran β camptothecin and pH-responsive dextran β doxorubicin: an effective combinatorial drug delivery platform for cancer therapy. <i>Polymer Chemistry</i> , 2016 , 7, 4198-4212	4.9	39
45	Injectable hydrogels by inclusion complexation between a three-armed star copolymer (mPEG-acetal-PCL-acetal) $_3$ and β -cyclodextrin for pH-triggered drug delivery. <i>RSC Advances</i> , 2016 , 6, 40858-40868	3.7	14
44	Synthesis of PEGylated Ferrocene Nanoconjugates as the Radiosensitizer of Cancer Cells. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1518-24	6.3	35
43	Core cross-linked polyphosphoester micelles with folate-targeted and acid-cleavable features for pH-triggered drug delivery. <i>Polymer Chemistry</i> , 2015 , 6, 3205-3216	4.9	38
42	Injectable supramolecular hydrogels fabricated from PEGylated doxorubicin prodrug and β -cyclodextrin for pH-triggered drug delivery. <i>RSC Advances</i> , 2015 , 5, 54658-54666	3.7	26
41	Development of plasma-treated polypropylene nonwoven-based composites for high-performance lithium-ion battery separators. <i>Electrochimica Acta</i> , 2015 , 167, 396-403	6.7	53
40	Preparation of Polymeric Prodrug Paclitaxel-Poly(lactic acid)-b-Polyisobutylene and Its Application in Coatings of a Drug Eluting Stent. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11263-71	9.5	21
39	A new pathway towards polymer modified cellulose nanocrystals via a β grafting onto β process for drug delivery. <i>Polymer Chemistry</i> , 2015 , 6, 4206-4209	4.9	69

38	Precise modular synthesis and a structure-property study of acid-cleavable star-block copolymers for pH-triggered drug delivery. <i>Polymer Chemistry</i> , 2015 , 6, 1553-1566	4.9	29
37	Folate-conjugated biodegradable core cross-linked polyphosphoester micelles for targeted and pH-triggered drug delivery. <i>Journal of Controlled Release</i> , 2015 , 213, e86-7	11.7	2
36	A pH-sensitive and biodegradable supramolecular hydrogel constructed from a PEGylated polyphosphoester-doxorubicin prodrug and cyclodextrin. <i>Polymer Chemistry</i> , 2015 , 6, 5009-5014	4.9	40
35	A polyphosphoester-conjugated camptothecin prodrug with disulfide linkage for potent reduction-triggered drug delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4922-4932	7.3	64
34	Synthesis of PEGylated brush-type copolymers for a plurality of plug-and-play functions. <i>RSC Advances</i> , 2015 , 5, 50019-50023	3.7	2
33	Fabrication of a novel sandwich-like composite separator with enhanced physical and electrochemical performances for lithium-ion battery. <i>Journal of Power Sources</i> , 2015 , 290, 53-60	8.9	29
32	Synthesis of an acid-labile polymeric prodrug DOX-acetal-PEG-acetal-DOX with high drug loading content for pH-triggered intracellular drug release. <i>Polymer Chemistry</i> , 2015 , 6, 4809-4818	4.9	46
31	Effects of fluorinated SiO ₂ nanoparticles on the thermal and electrochemical properties of PP nonwoven/PVdF-HFP composite separator for Li-ion batteries. <i>Journal of Membrane Science</i> , 2014 , 455, 368-374	9.6	49
30	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. <i>Polymer Chemistry</i> , 2014 , 5, 5124-5138	4.9	47
29	Synthesis of an acid-cleavable and fluorescent amphiphilic block copolymer as a combined delivery vector of DNA and doxorubicin. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4237-4249	7.3	26
28	Galactosylated biodegradable poly(ϵ -caprolactone-co-phosphoester) random copolymer nanoparticles for potent hepatoma-targeting delivery of doxorubicin. <i>Polymer Chemistry</i> , 2014 , 5, 3443-3452	4.9	30
27	Synthesis and characterization of a biodegradable ABC triblock terpolymer as co-delivery carrier of doxorubicin and DNA. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 3005-3016	2.5	7
26	Synthesis and Characterization of PEGylated Brush-type Polycation Modified with Galactosamine. <i>Acta Chimica Sinica</i> , 2014 , 72, 569	3.3	2
25	Preparation and Characterization of Microgels and Hydrogels Based on Functional Polyphosphoester Diblock Copolymers. <i>Acta Polymerica Sinica</i> , 2014 , 014, 122-130		
24	Synthesis and characterization of a new multifunctional polymeric prodrug paclitaxel-polyphosphoester-folic acid for targeted drug delivery. <i>Polymer Chemistry</i> , 2013 , 4, 4515	4.9	39
23	Anionic synthesis of a clickable middle-chain azide-functionalized polystyrene and its application in shape amphiphiles. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 71-82	3.5	18
22	Biocompatible and acid-cleavable poly(ϵ -caprolactone)-acetal-poly(ethylene glycol)-acetal-poly(ϵ -caprolactone) triblock copolymers: synthesis, characterization and pH-triggered doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6596-6607	7.3	57
21	Synthesis of pH-responsive amphiphilic diblock copolymers containing polyisobutylene via oxyanion-initiated polymerization and their multiple self-assembly morphologies. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 218-231	3.5	11

20	Preparation and self-assembly of double hydrophilic poly(ethylene phosphate)-block-poly[2-(succinyloxy)ethyl methacrylate] diblock copolymers for drug delivery. <i>Reactive and Functional Polymers</i> , 2013 , 73, 579-587	4.6	10
19	Synthesis and characterization of novel brush copolymers with biodegradable polyphosphoester side chains for gene delivery. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 2150-2160	2.5	16
18	APPLICATIONS OF CLICK CHEMISTRY IN SYNTHESIS OF TOPOLOGICAL POLYMERS. <i>Acta Polymerica Sinica</i> , 2013 , 013, 300-319		1
17	Fluorinated polyhedral oligomeric silsesquioxane-based shape amphiphiles: molecular design, topological variation, and facile synthesis. <i>Polymer Chemistry</i> , 2012 , 3, 2112	4.9	44
16	Rapid and Efficient Anionic Synthesis of Well-Defined Eight-Arm Star Polymers Using OctavinylPOSS and Poly(styryl)lithium. <i>Macromolecules</i> , 2012 , 45, 8571-8579	5.5	19
15	Synthesis and characterization of amphiphilic poly(ϵ -caprolactone)-b-polyphosphoester diblock copolymers bearing multifunctional pendant groups. <i>Polymer</i> , 2012 , 53, 2854-2863	3.9	37
14	Rapidly in situ forming polyphosphoester-based hydrogels for injectable drug delivery carriers. <i>Soft Matter</i> , 2012 , 8, 6033	3.6	29
13	Magnetic DNA vector constructed from PDMAEMA polycation and PEGylated brush-type polyanion with cross-linkable shell. <i>Langmuir</i> , 2012 , 28, 6448-60	4	18
12	Impaired CXCR4 expression and cell engraftment of bone marrow-derived cells from aged atherogenic mice. <i>Atherosclerosis</i> , 2011 , 219, 92-9	3.1	22
11	Novel pH-responsive polyphosphoester-based hydrogels with fast gelation. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e232-3	11.7	0
10	Improved synthesis of fullerynes by Fisher esterification for modular and efficient construction of fullerene polymers with high fullerene functionality. <i>Polymer</i> , 2011 , 52, 4221-4226	3.9	20
9	Synthesis and Micellization of pH/Temperature-Responsive Double-Hydrophilic Diblock Copolymers Polyphosphoester-block-poly[2-(dimethylamino)ethyl methacrylate] Prepared via ROP and ATRP. <i>Macromolecules</i> , 2010 , 43, 4771-4781	5.5	93
8	Kinetics of styrene miniemulsion polymerization using poly[(stearyl methacrylate-co-(N,N-dimethylamino)ethyl methacrylate)] as surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 360, 190-197	5.1	8
7	Biocompatible and pH-responsive triblock copolymer mPEG-b-PCL-b-PDMAEMA: Synthesis, self-assembly, and application. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1079-1091	2.5	92
6	Synthesis and physicochemical characterization of biodegradable and pH-responsive hydrogels based on polyphosphoester for protein delivery. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1919-1930	2.5	27
5	Well-defined poly[(dimethylamino)ethyl methacrylate]-b-poly(fluoroalkyl methacrylate) diblock copolymers: Effects of different fluoroalkyl groups on the solution properties. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 2702-2712	2.5	9
4	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. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4670-4684	2.5	15
3	Facile approach for DNA encapsulation in functional polyion complex for triggered intracellular gene delivery: design, synthesis, and mechanism. <i>Langmuir</i> , 2009 , 25, 5199-208	4	33

2	Novel fluoroalkyl end-capped amphiphilic diblock copolymers with pH/temperature response and self-assembly behavior. <i>Langmuir</i> , 2008 , 24, 4647-54	4	39
1	Synthesis and characterization of amphiphilic fluorinated pentablock copolymers based on Pluronic F127. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3029-3041	2.5	45