

Jinlin He

List of Publications by Year in descending order

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2,946
citations

117619

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214788

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95
docs citations

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times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry induced sequence of nanoscale Frankâ€“Kasper and quasicrystal mesophases in giant surfactants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14195-14200.	7.1	201
2	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.	4.8	99
3	Biocompatible and pHâ€“responsive triblock copolymer mPEGâ€“b</i>â€“PCLâ€“b</i>â€“PDMAEMA: Synthesis, selfâ€“assembly, and application. Journal of Polymer Science Part A, 2010, 48, 1079-1091.	2.3	93
4	A new pathway towards polymer modified cellulose nanocrystals via a â€œgrafting ontoâ€“process for drug delivery. Polymer Chemistry, 2015, 6, 4206-4209.	3.9	80
5	A polyphosphoester-conjugated camptothecin prodrug with disulfide linkage for potent reduction-triggered drug delivery. Journal of Materials Chemistry B, 2015, 3, 4922-4932.	5.8	73
6	Biocompatible and acid-cleavable poly(Î¼-caprolactone)-acetal-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (glycol)-acetal-doxorubicin delivery. Journal of Materials Chemistry B, 2013, 1, 6596.	5.8	59
7	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.	8.2	59
8	Development of plasma-treated polypropylene nonwoven-based composites for high-performance lithium-ion battery separators. Electrochimica Acta, 2015, 167, 396-403.	5.2	57
9	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.	3.9	53
10	Polymeric prodrugs conjugated with reduction-sensitive dextranâ€“camptothecin and pH-responsive dextranâ€“doxorubicin: an effective combinatorial drug delivery platform for cancer therapy. Polymer Chemistry, 2016, 7, 4198-4212.	3.9	53
11	Multifunctional Polymeric Prodrug with Simultaneous Conjugating Camptothecin and Doxorubicin for pH/Reduction Dual-Responsive Drug Delivery. ACS Applied Materials & Interfaces, 2019, 11, 8740-8748.	8.0	52
12	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.	3.8	51
13	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.	3.9	49
14	Synthesis and characterization of amphiphilic fluorinated pentablock copolymers based on Pluronic F127. Journal of Polymer Science Part A, 2008, 46, 3029-3041.	2.3	46
15	Fluorinated polyhedral oligomeric silsesquioxane-based shape amphiphiles: molecular design, topological variation, and facile synthesis. Polymer Chemistry, 2012, 3, 2112.	3.9	46
16	Polyphosphoester-Camptothecin Prodrug with Reduction-Response Prepared via Michael Addition Polymerization and Click Reaction. ACS Applied Materials & Interfaces, 2017, 9, 13939-13949.	8.0	46
17	Precise modulation of molecular weight distribution for structural engineering. Chemical Science, 2019, 10, 10698-10705.	7.4	46
18	Synthesis and characterization of a new multifunctional polymeric prodrug paclitaxelâ€“polyphosphoesterâ€“folic acid for targeted drug delivery. Polymer Chemistry, 2013, 4, 4515.	3.9	45

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19	Fabrication of Cyclic Brush Copolymers with Heterogeneous Amphiphilic Polymer Brushes for Controlled Drug Release. <i>Macromolecules</i> , 2018, 51, 7672-7679.	4.8	45
20	A pH-sensitive and biodegradable supramolecular hydrogel constructed from a PEGylated polyphosphoester-doxorubicin prodrug and β -cyclodextrin. <i>Polymer Chemistry</i> , 2015, 6, 5009-5014.	3.9	44
21	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.	5.2	43
22	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.	3.9	42
23	Development of a thermosensitive protein conjugated nanogel for enhanced radio-chemotherapy of cancer. <i>Nanoscale</i> , 2018, 10, 13976-13985.	5.6	42
24	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.	4.3	42
25	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.	5.2	42
26	Synthesis and characterization of amphiphilic poly(ϵ -caprolactone)-b-polyphosphoester diblock copolymers bearing multifunctional pendant groups. <i>Polymer</i> , 2012, 53, 2854-2863.	3.8	41
27	Synthesis of PEGylated Ferrocene Nanoconjugates as the Radiosensitizer of Cancer Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 1518-1524.	3.6	41
28	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.	10.4	41
29	Novel Fluoroalkyl End-Capped Amphiphilic Diblock Copolymers with pH/Temperature Response and Self-Assembly Behavior. <i>Langmuir</i> , 2008, 24, 4647-4654.	3.5	39
30	Precision Synthesis and Distinct Assembly of Double-Chain Giant Surfactant Regioisomers. <i>Macromolecules</i> , 2017, 50, 3943-3953.	4.8	39
31	Folate-Conjugated Polyphosphoester with Reversible Cross-Linkage and Reduction Sensitivity for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7811-7820.	8.0	39
32	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.	7.8	38
33	Facile Approach for DNA Encapsulation in Functional Polyion Complex for Triggered Intracellular Gene Delivery: Design, Synthesis, and Mechanism. <i>Langmuir</i> , 2009, 25, 5199-5208.	3.5	35
34	Fabrication of Thermosensitive Cyclic Brush Copolymer with Enhanced Therapeutic Efficacy for Anticancer Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700744.	3.9	35
35	Facile preparation of pH-responsive PEGylated prodrugs for activated intracellular drug delivery. <i>Chinese Chemical Letters</i> , 2019, 30, 2027-2031.	9.0	35
36	A separator based on cross-linked nano-SiO ₂ and cellulose acetate for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 334, 135585.	5.2	35

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37	Janus [3:5] Polystyrene- <i>b</i> -Polydimethylsiloxane Star Polymers with a Cubic Core. <i>Macromolecules</i> , 2018, 51, 419-427.	4.8	34
38	Injectable supramolecular hydrogels fabricated from PEGylated doxorubicin prodrug and β -cyclodextrin for pH-triggered drug delivery. <i>RSC Advances</i> , 2015, 5, 54658-54666.	3.6	33
39	Galactosylated biodegradable poly(β -caprolactone-co-phosphoester) random copolymer nanoparticles for potent hepatoma-targeting delivery of doxorubicin. <i>Polymer Chemistry</i> , 2014, 5, 3443-3452.	3.9	32
40	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.	5.8	32
41	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.	2.3	30
42	Rapidly in situ forming polyphosphoester-based hydrogels for injectable drug delivery carriers. <i>Soft Matter</i> , 2012, 8, 6033.	2.7	30
43	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.	3.9	30
44	Fabrication of Polymeric Ferrocene Nanoparticles for Electrochemical Aptasensing of Protein with Target-Catalyzed Hairpin Assembly. <i>Analytical Chemistry</i> , 2019, 91, 9940-9945.	6.5	30
45	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.	5.8	29
46	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.	5.2	29
47	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.	3.6	29
48	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.	4.6	29
49	Polymer- <i>b</i> -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.	5.2	29
50	Discrete Giant Polymeric Chains Based on Nanosized Monomers. <i>Jacs Au</i> , 2021, 1, 79-86.	7.9	29
51	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.	5.8	28
52	Preparation of Polymeric Prodrug Paclitaxel-Poly(lactic acid)- <i>b</i> -Polyisobutylene and Its Application in Coatings of a Drug Eluting Stent. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11263-11271.	8.0	27
53	Low-Dose X-ray-Responsive Diselenide Nanocarriers for Effective Delivery of Anticancer Agents. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43398-43407.	8.0	27
54	A fully degradable and photocrosslinked polysaccharide-polyphosphate hydrogel for tissue engineering. <i>Carbohydrate Polymers</i> , 2019, 225, 115257.	10.2	26

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55	Impaired CXCR4 expression and cell engraftment of bone marrow-derived cells from aged atherogenic mice. <i>Atherosclerosis</i> , 2011, 219, 92-99.	0.8	25
56	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.	4.8	24
57	A biodegradable polyphosphoester-functionalized poly(disulfide) nanocarrier for reduction-triggered intracellular drug delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7263-7273.	5.8	24
58	Zwitterionic shielded polymeric prodrug with folate-targeting and pH responsiveness for drug delivery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 786-795.	5.8	23
59	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.	3.9	22
60	Effect of groups at $\hat{I}\pm$ -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.	3.8	22
61	Synthesis of amphiphilic cationic copolymers poly[2-(methacryloyloxy)ethyl trimethylammonium chloride-co-(<i>i</i> -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.	2.3	21
62	Mixed [2-($\hat{I}\pm$)] hetero-arm star polymers based on Janus POSS with precisely defined arm distribution. <i>Polymer Chemistry</i> , 2016, 7, 2381-2388.	3.9	21
63	Improved synthesis of fullerenes by Fisher esterification for modular and efficient construction of fullerene polymers with high fullerene functionality. <i>Polymer</i> , 2011, 52, 4221-4226.	3.8	20
64	Magnetic DNA Vector Constructed from PDMAEMA Polycation and PEGylated Brush-Type Polyanion with Cross-Linkable Shell. <i>Langmuir</i> , 2012, 28, 6448-6460.	3.5	20
65	Anionic synthesis of a "clickable" middle-chain azidefunctionalized polystyrene and its application in shape amphiphiles. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 71-82.	3.8	20
66	Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. <i>Macromolecules</i> , 2018, 51, 1110-1119.	4.8	20
67	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.	2.3	18
68	Injectable hydrogels by inclusion complexation between a three-armed star copolymer (mPEG-acetal-PCL-acetal)- ₃ and $\hat{I}\pm$ -cyclodextrin for pH-triggered drug delivery. <i>RSC Advances</i> , 2016, 6, 40858-40868.	3.6	18
69	A twin-tailed tadpole-shaped amphiphilic copolymer of poly(ethylene glycol) and cyclic poly($\hat{I}\mu$ -caprolactone): synthesis, self-assembly and biomedical applications. <i>Polymer Chemistry</i> , 2018, 9, 4343-4353.	3.9	18
70	Facile construction of noncovalent graft copolymers with triple stimuli-responsiveness for triggered drug delivery. <i>Polymer Chemistry</i> , 2021, 12, 2152-2164.	3.9	17
71	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.	4.6	17
72	Surface energy and surface reorganization of perfluorohexylethyl methacrylate/ <i>n</i> -alkyl (meth)acrylate copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 159-167.	4.7	14

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73	Glucose-Sensitive Polyphosphoester Diblock Copolymer for an Insulin Delivery System. ACS Biomaterials Science and Engineering, 2020, 6, 1553-1564.	5.2	12
74	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.	3.8	11
75	Preparation and self-assembly of double hydrophilic poly(ethylene glycol)-b-poly(2-vinylpyridine) diblock copolymers. Reactive and Functional Polymers, 2013, 73, 579-587.	4.1	11
76	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.	5.8	11
77	Well-defined poly[(dimethylamino)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.	2.3	10

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91	Preparation and Characterization of Microgels and Hydrogels Based on Functional Polyphosphoester Diblock Copolymers. <i>Acta Polymerica Sinica</i> , 2014, 014, 122-130.	0.0	0
92	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.	0.2	0