Bin He

List of Publications by Citations

106 papers	2,615 citations	29 h-index	46 g-index
116 ext. papers	3,283 ext. citations	7.2 avg, IF	5.27 L-index

#	Paper	IF	Citations
106	Overcoming drug-resistant lung cancer by paclitaxel loaded dual-functional liposomes with mitochondria targeting and pH-response. *Biomaterials*, **2015**, 52, 126-39	15.6	209
105	A novel poly(l-glutamic acid) dendrimer based drug delivery system with both pH-sensitive and targeting functions. *Molecular Pharmaceutics*, **2010**, 7, 953-62	5.6	142
104	Anti-tumor drug delivery of pH-sensitive poly(ethylene glycol)-poly(L-histidine-)-poly(L-lactide) nanoparticles. *Journal of Controlled Release*, **2011**, 152, 49-56	11.7	140
103	Terminal modification of polymeric micelles with □conjugated moieties for efficient anticancer drug delivery. *Biomaterials*, **2015**, 71, 1-10	15.6	100
102	The anti-tumor efficiency of poly(L-glutamic acid) dendrimers with polyhedral oligomeric silsesquioxane cores. *Biomaterials*, **2013**, 34, 3658-66	15.6	99
101	A facile strategy to generate polymeric nanoparticles for synergistic chemo-photodynamic therapy. *Chemical Communications*, **2015**, 51, 4271-4	5.8	60
100	Highly Stable, Coordinated Polymeric Nanoparticles Loading Copper(II) Diethyldithiocarbamate for Combinational Chemo/Chemodynamic Therapy of Cancer. *Biomacromolecules*, **2019**, 20, 2372-2383	6.9	58
99	Cellular internalization of doxorubicin loaded star-shaped micelles with hydrophilic zwitterionic sulfobetaine segments. *Biomaterials*, **2014**, 35, 4517-24	15.6	56
98	Drug release of pH-sensitive poly(L-aspartate)-b-poly(ethylene glycol) micelles with POSS cores. *Polymer Chemistry*, **2014**, 5, 463-470	4.9	56
97	Functionalization of magnetic nanoparticles with peptide dendrimers. *Journal of Materials Chemistry*, **2011**, 21, 5464		54
96	Functional and biodegradable dendritic macromolecules with controlled architectures as nontoxic and efficient nanoscale gene vectors. *Biotechnology Advances*, **2014**, 32, 818-30	17.8	52
95	Superparamagnetic nano-composite scaffolds for promoting bone cell proliferation and defect reparation without a magnetic field. *RSC Advances*, **2012**, 2, 13007	3.7	52
94	A reactive oxygen species-responsive prodrug micelle with efficient cellular uptake and excellent bioavailability. *Journal of Materials Chemistry B*, **2018**, 6, 1076-1084	7.3	50
93	Nanoparticles generated by PEG-Chrysin conjugates for efficient anticancer drug delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 87, 454-60	5.7	50
92	The cytotoxic mechanisms of disulfiram and copper(ii) in cancer cells. *Toxicology Research*, **2015**, 4, 1439-1442	2.6	46
91	Polymeric micelles with citraconic amide as pH-sensitive bond in backbone for anticancer drug delivery. *International Journal of Pharmaceutics*, **2014**, 471, 28-36	6.5	45
90	Components Simulation of Viral Envelope via Amino Acid Modified Chitosans for Efficient Nucleic Acid Delivery: In Vitro and In Vivo Study. *Advanced Functional Materials*, **2013**, 23, 2691-2699	15.6	43

89	In situ injection of phenylboronic acid based low molecular weight gels for efficient chemotherapy. *Biomaterials*, **2016**, 105, 1-11	15.6	42
88	New-generation biomedical materials: Peptide dendrimers and their application in biomedicine. *Science China Chemistry*, **2010**, 53, 458-478	7.9	42
87	A ROS-responsive polymeric micelle with a π-conjugated thioketal moiety for enhanced drug loading and efficient drug delivery. *Organic and Biomolecular Chemistry*, **2017**, 15, 9176-9185	3.9	40
86	A reactive oxygen species (ROS)-responsive low molecular weight gel co-loaded with doxorubicin and Zn(ii) phthalocyanine tetrasulfonic acid for combined chemo-photodynamic therapy. *Journal of Materials Chemistry B*, **2017**, 5, 9157-9164	7.3	38
85	Near infrared light responsive hybrid nanoparticles for synergistic therapy. *Biomaterials*, **2016**, 100, 76-90	15.6	38
84	Tumor-pH-Sensitive PLLA-Based Microsphere with Acid Cleavable Acetal Bonds on the Backbone for Efficient Localized Chemotherapy. *Biomacromolecules*, **2018**, 19, 3140-3148	6.9	37
83	Biodegradable polymeric nanoparticles based on amphiphilic principle: construction and application in drug delivery. *Science China Chemistry*, **2014**, 57, 461-475	7.9	37
82	Human serum albumin-based doxorubicin prodrug nanoparticles with tumor pH-responsive aggregation-enhanced retention and reduced cardiotoxicity. *Journal of Materials Chemistry B*, **2020**, 8, 3939-3948	7.3	34
81	Oral delivery of camptothecin using cyclodextrin/poly(anhydride) nanoparticles. *International Journal of Pharmaceutics*, **2016**, 506, 116-28	6.5	34
80	Hierarchical nanocomposites of graphene oxide and PEGylated protoporphyrin as carriers to load doxorubicin hydrochloride for trimodal synergistic therapy. *Journal of Materials Chemistry B*, **2018**, 6, 4687-4696	7.3	33
79	Mitochondria-targeted tetrahedral DNA nanostructures for doxorubicin delivery and enhancement of apoptosis. *Journal of Materials Chemistry B*, **2020**, 8, 492-503	7.3	33
78	Fabrication of Polymeric Micelles with Aggregation-Induced Emission and Forster Resonance Energy Transfer for Anticancer Drug Delivery. *Bioconjugate Chemistry*, **2017**, 28, 1944-1954	6.3	30
77	Novel polymeric micelles as enzyme-sensitive nuclear-targeted dual-functional drug delivery vehicles for enhanced 9-nitro-20(S)-camptothecin delivery and antitumor efficacy. *Nanoscale*, **2020**, 12, 5380-5396	7.7	29
76	A dithiocarbamate-based HO-responsive prodrug for combinational chemotherapy and oxidative stress amplification therapy. *Chemical Communications*, **2019**, 55, 13896-13899	5.8	29
75	Cinnamaldehyde-Based Poly(ester-thioacetal) To Generate Reactive Oxygen Species for Fabricating Reactive Oxygen Species-Responsive Nanoparticles. *Biomacromolecules*, **2018**, 19, 4658-4667	6.9	28
74	Dual pH and temperature responsive hydrogels based on β-cyclodextrin derivatives for atorvastatin delivery. *Carbohydrate Polymers*, **2016**, 136, 300-6	10.3	27
73	Crystallization and morphological transition of poly(L-lactide)–poly(ε-caprolactone) diblock copolymers with different block length ratios. *RSC Advances*, **2017**, 7, 22515-22523	3.7	27
72	Self-assembly Polyrotaxanes Nanoparticles as Carriers for Anticancer Drug Methotrexate Delivery. *Nano-Micro Letters*, **2014**, 6, 108-115	19.5	27

71	Cooperative Hierarchical Self-Assembly of Peptide Dendrimers and Linear Polypeptides into Nanoarchitectures Mimicking Viral Capsids. *Angewandte Chemie*, **2012**, 124, 3184-3187	3.6	26
70	Polymeric nanoparticles responsive to intracellular ROS for anticancer drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 252-260	6	25
69	Characteristic of core materials in polymeric micelles effect on their micellar properties studied by experimental and dpd simulation methods. *International Journal of Pharmaceutics*, **2015**, 492, 152-60	6.5	25
68	Carrier-free nanodrugs with efficient drug delivery and release for cancer therapy: From intrinsic physicochemical properties to external modification. *Bioactive Materials*, **2022**, 8, 220-240	16.7	25
67	Bone marrow mesenchymal stem cells promote osteosarcoma cell proliferation and invasion. *World Journal of Surgical Oncology*, **2015**, 13, 52	3.4	24
66	MicroRNA-155 promotes the proliferation and invasion abilities of colon cancer cells by targeting quaking. *Molecular Medicine Reports*, **2015**, 11, 2355-9	2.9	24
65	A combinational chemo-immune therapy using an enzyme-sensitive nanoplatform for dual-drug delivery to specific sites by cascade targeting. *Science Advances*, **2021**, 7,	14.3	23
64	In-situ drug generation and controllable loading: rational design of copper-based nanosystems for chemo-photothermal cancer therapy. *Chemical Engineering Journal*, **2021**, 409, 128222	14.7	21
63	Redox-responsive polyethyleneimine/tetrahedron DNA/doxorubicin nanocomplexes for deep cell/tissue penetration to overcome multidrug resistance. *Journal of Controlled Release*, **2021**, 329, 36-49	11.7	20
62	Redox-sensitive polymeric micelles with aggregation-induced emission for bioimaging and delivery of anticancer drugs. *Journal of Nanobiotechnology*, **2021**, 19, 14	9.4	20
61	Chain length effect on drug delivery of chrysin modified mPEG-PCL micelles. *RSC Advances*, **2015**, 5, 59014-59021	3.7	19
60	In situ gelation of supramolecular hydrogel for anti-tumor drug delivery. *Macromolecular Bioscience* , **2009**, 9, 1169-75	5.5	19
59	Polypeptide dendrimers: Self-assembly and drug delivery. *Science China Chemistry*, **2011**, 54, 326-333	7.9	18
58	Arginine modified polymeric micelles as a novel drug delivery system with enhanced endocytosis efficiency. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 181-192	6	17
57	The polymerization kinetics, oxidation-responsiveness, and in vitro anticancer efficacy of poly(ester-thioether)s. *Journal of Materials Chemistry B*, **2019**, 7, 1005-1016	7.3	16
56	Design and self-assembly of amphiphilic peptide dendron-jacketed polysaccharide polymers into available nanomaterials. *Polymer Chemistry*, **2013**, 4, 2235	4.9	16
55	Multifunctional nanoparticles self-assembled from polyethylenimine-based graft polymers as efficient anticancer drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 118-127	6	14
54	Comparison of drug delivery properties of PEG-b-pdhpc micelles with different compositions. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 387-396	3.5	13

53	injection of dual-delivery PEG based MMP-2 sensitive hydrogels for enhanced tumor penetration and chemo-immune combination therapy. *Nanoscale*, **2021**, 13, 9577-9589	7.7	13
52	Redox/ATP switchable theranostic nanoparticles for real-time fluorescence monitoring of doxorubicin delivery. *Journal of Materials Chemistry B*, **2018**, 6, 2089-2103	7.3	12
51	Leveraging a polycationic polymer to direct tunable loading of an anticancer agent and photosensitizer with opposite charges for chemo-photodynamic therapy. *Journal of Materials Chemistry B*, **2020**, 8, 1235-1244	7.3	12
50	Highly stable RGD/disulfide bridge-bearing star-shaped biodegradable nanocarriers for enhancing drug-loading efficiency, rapid cellular uptake, and on-demand cargo release. *International Journal of Nanomedicine*, **2018**, 13, 8247-8268	7.3	12
49	Poly(ester-thioether) microspheres co-loaded with erlotinib and □tocopheryl succinate for combinational therapy of non-small cell lung cancer. *Journal of Materials Chemistry B*, **2020**, 8, 1728-1738	7.3	11
48	Polymeric micelles with small lipophilic moieties for drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 627-32	6	11
47	Functionalization of biodegradable hyperbranched poly(□malic acid) as a nanocarrier platform for anticancer drug delivery. *RSC Advances*, **2015**, 5, 13157-13165	3.7	11
46	Exogenous vitamin C triggered structural changes of redox-activated dual core-crosslinked biodegradable nanogels for boosting the antitumor efficiency. *Journal of Materials Chemistry B*, **2020**, 8, 5109-5116	7.3	10
45	ROS triggered cleavage of thioketal moiety to dissociate prodrug nanoparticles for chemotherapy. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111223	6	10
44	Synthesis, characterization, and property of biodegradable PEG-PCL-PLA terpolymers with miktoarm star and triblock architectures as drug carriers. *Journal of Biomaterials Applications*, **2018**, 32, 1139-1152	2.9	10
43	Study on the □yclodextrin/poly(ethylene glycol) self-assembly supramolecular nanoparticles for drug delivery. *Science China Chemistry*, **2010**, 53, 495-501	7.9	10
42	Leveraging disulfiram to treat cancer: Mechanisms of action, delivery strategies, and treatment regimens.. *Biomaterials*, **2021**, 281, 121335	15.6	10
41	Reversing Chemotherapy Resistance by a Synergy between Lysosomal pH-Activated Mitochondrial Drug Delivery and Erlotinib-Mediated Drug Efflux Inhibition. *ACS Applied Materials & Interfaces*, **2021**,	9.5	10
40	Synthesis, characterization, and drug delivery of amphiphilic poly{(lactic acid)-co-[(glycolic acid)-alt-(L-glutamic acid)]}-g-poly(ethylene glycol). *Macromolecular Research*, **2012**, 20, 250-258	1.9	9
39	Tetrahedral DNA nanostructures for effective treatment of cancer: advances and prospects. *Journal of Nanobiotechnology*, **2021**, 19, 412	9.4	9
38	inducing collagen regeneration of biodegradable polymer microspheres. *International Journal of Energy Production and Management*, **2021**, 8, rbab042	5.3	9
37	Synthesis of functionalizable and biodegradable polymers via ring-opening polymerization of 5-benzyloxy-trimethylene carbonate and □caprolactone. *Journal of Applied Polymer Science*, **2012**, 123, 2204-2210	2.9	8
36	Reduction-sensitive polymeric micelles as amplifying oxidative stress vehicles for enhanced antitumor therapy. *Colloids and Surfaces B: Biointerfaces*, **2021**, 203, 111733	6	8

35	A Mg/polydopamine composite hydrogel for the acceleration of infected wound healing.. *Bioactive Materials*, **2022**, 15, 203-213	16.7	8
34	The effect of □cyclodextrin on poly(pseudo)rotaxane nanoparticles self-assembled by protoporphyrin modified poly(ethylene glycol) for anticancer drug delivery. *Carbohydrate Polymers*, **2017**, 174, 789-797	10.3	7
33	Multi-Activated Polymeric Micelles with Charge-Conversion and ROS-Controlled Drug Release for Efficient Cancer Therapy. *Journal of Biomedical Nanotechnology*, **2017**, 13, 946-959	4	7
32	PDT-Enhanced Ferroptosis by a Polymer Nanoparticle with pH-Activated Singlet Oxygen Generation and Superb Biocompatibility for Cancer Therapy. *Biomacromolecules*, **2021**, 22, 1167-1176	6.9	7
31	Synthesis, characterization, and crystallization of biodegradable poly(□caprolactone)-poly(L-lactide) diblock copolymers. *E-Polymers*, **2015**, 15, 15-23	2.7	6
30	A tumor extracellular pH-sensitive PD-L1 binding peptide nanoparticle for chemo-immunotherapy of cancer. *Journal of Materials Chemistry B*, **2021**, 9, 4201-4210	7.3	6
29	Structure Inversion-Bridged Sequential Amino Acid Metabolism Disturbance Potentiates Photodynamic-Evoked Immunotherapy. *Advanced Functional Materials*,2103394	15.6	6
28	Framework effect of amphiphilic polyesters on their molecular movement and protein adsorption-resistance properties. *Colloids and Surfaces B: Biointerfaces*, **2015**, 125, 213-21	6	5
27	In vivo formation of Cu(DDC)2 complex induced by nanomedicine for mesothelioma chemotherapy. *Chinese Chemical Letters*, **2020**, 31, 3168-3172	8.1	5
26	Substitution of Percutaneous Ethanol Injection with a Low Molecular Weight Peptide Gel Mimicking Chemoembolization for Cancer Therapy. *Nanotheranostics*, **2017**, 1, 313-325	5.6	5
25	Effective combination therapy of percutaneous ethanol injection and chemotherapy based on injectable low molecular weight gels. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, 683-693	6.1	5
24	Polymer-directed supramolecular assembly of photosensitizers: Evocation of photothermal effect and highly efficient loading of disulfiram for chemo-phototherapy of cancer. *Applied Materials Today*, **2021**, 22, 100931	6.6	5
23	Thermosensitive polymer hydrogel as a physical shield on colonic mucosa for colitis treatment. *Journal of Materials Chemistry B*, **2021**, 9, 3874-3884	7.3	5
22	Synthesis and Cytocompatibility of Biodegradable Poly (L-Lactide-r-5-Hydroxyl Trimethylene Carbonate) Copolymer. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2015**, 52, 218-225	2.2	4
21	Disclosing the crystallization behavior and morphology of poly(?-caprolactone) within poly(?-caprolactone)/poly(l-lactide) blends. *Polymer International*, **2018**, 67, 566-576	3.3	4
20	Polymer Structure-Guided Self-Assisted Preparation of Poly(ester-thioether)-Based Hollow Porous Microspheres and Hierarchically Interconnected Microcages for Drug Release. *Macromolecular Bioscience*, **2019**, 19, e1900171	5.5	4
19	Studies on the degradation of poly(L-lactide-r-trimethene carbonate) copolymers. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 966-973	3.5	4
18	Two birds with one stone: copper metal-organic framework as a carrier of disulfiram prodrug for cancer therapy. *International Journal of Pharmaceutics*, **2021**, 612, 121351	6.5	4

17	High-drug-loading capacity of redox-activated biodegradable nanoplatform for active targeted delivery of chemotherapeutic drugs. *International Journal of Energy Production and Management*, **2020**, 7, 359-369	5.3	4
16	Effect of polymer architecture and hard/soft segment ratio on the surface morphology and mechanical properties of polyurethane films for potential orthodontic treatment. *Journal of Applied Polymer Science*, **2020**, 137, 49363	2.9	3
15	A rare case of primary chondrosarcoma arising from the sternum: A case report. *Oncology Letters*, **2014**, 8, 2233-2236	2.6	3
14	Intracellular Drug Delivery: Smart Nanovehicles Based on pH-Triggered Disassembly of Supramolecular Peptide-Amphiphiles for Efficient Intracellular Drug Delivery (Small 6/2014). *Small*, **2014**, 10, 1030-1030	11	3
13	Mitochondria-acting carrier-free nanoplatform self-assembled by □-tocopheryl succinate carrying cisplatin for combinational tumor therapy. *International Journal of Energy Production and Management*, **2021**, 8, rbab029	5.3	3
12	A double-layer dura mater based on poly(caprolactone--lactide) film and polyurethane sponge: preparation, characterization, and biodegradation study. *Journal of Materials Chemistry B*, **2021**, 9, 3863-3873	7.3	3
11	Copper-based metal-organic frameworks for biomedical applications.. *Advances in Colloid and Interface Science*, **2022**, 305, 102686	14.3	3
10	Control of MSC Differentiation by Tuning the Alkyl Chain Length of Phenylboroinc Acid Based Low-molecular-weight Gelators. *Journal of Bionic Engineering*, **2018**, 15, 682-692	2.7	2
9	Undifferentiated embryonal liver sarcoma in childhood: A case report. *Oncology Letters*, **2014**, 8, 1127-1130	2.6	2
8	ARGININE- AND ACRYLONITRILE-MODIFIED CHITOSAN NANOPARTICLES FOR ANTICANCER DRUG DELIVERY. *Nano*, **2014**, 09, 1450075	1.1	2
7	Novel PLGGE graft polymeric micelles for doxorubicin delivery. *Science Bulletin*, **2012**, 57, 3994-4004		2
6	Self-assembly Polyrotaxanes Nanoparticles as Carriers for Anticancer Drug Methotrexate Delivery **2014**, 6, 108		2
5	The aryl hydrocarbon receptor ligand ITE inhibits cell proliferation and migration and enhances sensitivity to□drug-resistance in hepatocellular carcinoma. *Journal of Cellular Physiology*, **2021**, 236, 178-192	7	2
4	Confined crystallization morphology of poly(?-caprolactone) block within poly(?-caprolactone)□poly(l-lactide) copolymers. *Polymer International*, **2019**, 68, 1992-2003	3.3	1
3	Small molecules-PEG amphiphilic conjugates as carriers for drug delivery: 1. the effect of molecular structures on drug encapsulation. *Journal of Drug Delivery Science and Technology*, **2020**, 60, 101997	4.5	1
2	Polymeric Micelle-Based Nanomedicine **2016**, 99-116		1
1	P(LLA-co-PDO) copolymers with random and block architectures: Synthesis and characterizations. *Journal of Applied Polymer Science*,52410	2.9	1