Shangcong Han

List of Publications by Year
in descending order

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159 papers	5,644 citations	57758 44 h-index	106344 65 g-index
165 all docs	165 docs citations	165 times ranked	7687 citing authors

#	Article	IF	Citations
1	Composites of Polymer Hydrogels and Nanoparticulate Systems for Biomedical and Pharmaceutical Applications. Nanomaterials, 2015, 5, 2054-2130.	4.1	297
2	PEG-b-PCL Copolymer Micelles with the Ability of pH-Controlled Negative-to-Positive Charge Reversal for Intracellular Delivery of Doxorubicin. Biomacromolecules, 2014, 15, 4281-4292.	5.4	163
3	Covalent Organic Frameworks: From Materials Design to Biomedical Application. Nanomaterials, 2018, 8, 15.	4.1	134
4	Bioinspired Nanofibrous Glycopeptide Hydrogel Dressing for Accelerating Wound Healing: A Cytokineâ€Free, M2â€Type Macrophage Polarization Approach. Advanced Functional Materials, 2020, 30, 2006454.	14.9	123
5	Injectable thermosensitive hydrogel systems based on functional PEG/PCL block polymer for local drug delivery. Journal of Controlled Release, 2019, 297, 60-70.	9.9	106
6	Co-localized delivery of nanomedicine and nanovaccine augments the postoperative cancer immunotherapy by amplifying T-cell responses. Biomaterials, 2020, 230, 119649.	11.4	102
7	Amphiphilic and biodegradable methoxy polyethylene glycol-block-(polycaprolactone-graft-poly(2-(dimethylamino)ethyl methacrylate)) as an effective gene carrier. Biomaterials, 2011, 32, 879-889.	11.4	97
8	An injectable particle-hydrogel hybrid system for glucose-regulatory insulin delivery. Acta Biomaterialia, 2017, 64, 334-345.	8.3	97
9	Poly(Îµ-caprolactone)-graft-poly(2-(N, N-dimethylamino) ethyl methacrylate) nanoparticles: pH dependent thermo-sensitive multifunctional carriers for gene and drug delivery. Journal of Materials Chemistry, 2010, 20, 6935.	6.7	92
10	Intracellular cleavable poly(2-dimethylaminoethyl methacrylate) functionalized mesoporous silica nanoparticles for efficient siRNA delivery in vitro and in vivo. Nanoscale, 2013, 5, 4291.	5.6	92
11	Textile coatings configured by double-nanoparticles to optimally couple superhydrophobic and antibacterial properties. Chemical Engineering Journal, 2021, 420, 127680.	12.7	84
12	Reactive oxygen species-responsive polymeric nanoparticles for alleviating sepsis-induced acute liver injury in mice. Biomaterials, 2017, 144, 30-41.	11.4	83
13	DOX/ICG Coencapsulated Liposome-Coated Thermosensitive Nanogels for NIR-Triggered Simultaneous Drug Release and Photothermal Effect. ACS Biomaterials Science and Engineering, 2018, 4, 2424-2434.	5.2	83
14	N-alkylated chitosan/graphene oxide porous sponge for rapid and effective hemostasis in emergency situations. Carbohydrate Polymers, 2019, 219, 405-413.	10.2	83
15	Poly(ethyleneglycol)-b-Poly(Îµ-caprolactone-co-Î³-hydroxyl-Îµ- caprolactone) Bearing Pendant Hydroxyl Groups as Nanocarriers for Doxorubicin Delivery. Biomacromolecules, 2012, 13, 3301-3310.	5.4	80
16	Ternary complexes of amphiphilic polycaprolactone-graft-poly (N,N-dimethylaminoethyl methacrylate), DNA and polyglutamic acid-graft-poly(ethylene glycol) for gene delivery. Biomaterials, 2011, 32, 4283-4292.	11.4	79
17	Composites of electrospunâ€fibers and hydrogels: A potential solution to current challenges in biological and biomedical field. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 640-656.	3.4	79
18	Adjustable degradation and drug release of a thermosensitive hydrogel based on a pendant cyclic ether modified poly(Îµ-caprolactone) and poly(ethylene glycol)co-polymer. Acta Biomaterialia, 2012, 8, 3963-3973.	8.3	76

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19	The Promising Nanocarrier for Doxorubicin and siRNA Co-delivery by PDMAEMA-based Amphiphilic Nanomicelles. ACS Applied Materials & Interfaces, 2016, 8, 4347-4356.	8.0	76
20	Cascade of reactive oxygen species generation by polyprodrug for combinational photodynamic therapy. Biomaterials, 2020, 255, 120210.	11.4	74
21	Gene transfection efficacy and biocompatibility of polycation/DNA complexes coated with enzyme degradable PEGylated hyaluronic acid. Biomaterials, 2013, 34, 6495-6503.	11.4	72
22	Biomimetic glycopeptide hydrogel coated PCL/nHA scaffold for enhanced cranial bone regeneration via macrophage M2 polarization-induced osteo-immunomodulation. Biomaterials, 2022, 285, 121538.	11.4	72
23	pH-Sensitive Nanomicelles for High-Efficiency siRNA Delivery in Vitro and in Vivo: An Insight into the Design of Polycations with Robust Cytosolic Release. Nano Letters, 2016, 16, 6916-6923.	9.1	71
24	Balancing the stability and drug release of polymer micelles by the coordination of dual-sensitive cleavable bonds in cross-linked core. Acta Biomaterialia, 2015, 11, 126-136.	8.3	67
25	Tumor Microenvironment-triggered Nanosystems as dual-relief Tumor Hypoxia Immunomodulators for enhanced Phototherapy. Theranostics, 2020, 10, 9132-9152.	10.0	67
26	Improving the oral delivery efficiency of anticancer drugs by chitosan coated polycaprolactone-grafted hyaluronic acid nanoparticles. Journal of Materials Chemistry B, 2014, 2, 4021-4033.	5.8	64
27	Facile Fabrication of Redoxâ€Responsive Covalent Organic Framework Nanocarriers for Efficiently Loading and Delivering Doxorubicin. Macromolecular Rapid Communications, 2020, 41, e1900570.	3.9	64
28	Synthesis of Nanogels via Cell Membraneâ€Templated Polymerization. Small, 2015, 11, 4309-4313.	10.0	63
29	Effects of hydrophobic core components in amphiphilic PDMAEMA nanoparticles on siRNA delivery. Biomaterials, 2015, 48, 45-55.	11.4	63
30	Structural contributions of blocked or grafted poly(2-dimethylaminoethyl methacrylate) on PEGylated polycaprolactone nanoparticles in siRNA delivery. Biomaterials, 2011, 32, 8730-8742.	11.4	62
31	Polycation-detachable nanoparticles self-assembled from mPEG-PCL-g-SS-PDMAEMA for in vitro and in vivo siRNA delivery. Acta Biomaterialia, 2013, 9, 7746-7757.	8.3	60
32	Comb-like Amphiphilic Copolymers Bearing Acetal-Functionalized Backbones with the Ability of Acid-Triggered Hydrophobic-to-Hydrophilic Transition as Effective Nanocarriers for Intracellular Release of Curcumin. Biomacromolecules, 2013, 14, 3973-3984.	5.4	59
33	Core Role of Hydrophobic Core of Polymeric Nanomicelle in Endosomal Escape of siRNA. Nano Letters, 2021, 21, 3680-3689.	9.1	58
34	Controlled thermal gelation of poly(Îµ-caprolactone)/poly(ethylene glycol) block copolymers by modifying cyclic ether pendant groups on poly(Îµ-caprolactone). Soft Matter, 2012, 8, 1575-1583.	2.7	57
35	Co-delivery of doxorubicin and 131I by thermosensitive micellar-hydrogel for enhanced in situ synergetic chemoradiotherapy. Journal of Controlled Release, 2015, 220, 456-464.	9.9	57
36	Real-time and non-invasive fluorescence tracking of in vivo degradation of the thermosensitive PEGlyated polyester hydrogel. Journal of Materials Chemistry B, 2014, 2, 4185.	5.8	55

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37	Sustained release of PTX-incorporated nanoparticles synergized by burst release of DOXâ‹…HCl from thermosensitive modified PEG/PCL hydrogel to improve anti-tumor efficiency. European Journal of Pharmaceutical Sciences, 2014, 62, 267-273.	4.0	52
38	pH-sensitive nanoparticles prepared from amphiphilic and biodegradable methoxy poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Chemistry, 2013, 4, 1430-1438.	3.9	50
39	An injectable and tumor-specific responsive hydrogel with tissue-adhesive and nanomedicine-releasing abilities for precise locoregional chemotherapy. Acta Biomaterialia, 2019, 96, 123-136.	8.3	50
40	Integrin-Targeted Zwitterionic Polymeric Nanoparticles with Acid-Induced Disassembly Property for Enhanced Drug Accumulation and Release in Tumor. Biomacromolecules, 2014, 15, 3128-3138.	5.4	49
41	Binary and ternary complexes based on polycaprolactone-graft-poly (N, N-dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1	11.4	48
42	A reconstituted â€œtwo into oneâ€•thermosensitive hydrogel system assembled by drug-loaded amphiphilic copolymernanoparticles for the local delivery of paclitaxel. Journal of Materials Chemistry B, 2013, 1, 552-563.	5.8	48
43	Zwitterionic Nanoparticles Constructed with Well-Defined Reduction-Responsive Shell and pH-Sensitive Core for â€œSpatiotemporally Pinpointedâ€•Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 14631-14643.	8.0	48
44	Polymer-lipid hybrid nanovesicle-enabled combination of immunogenic chemotherapy and RNAi-mediated PD-L1 knockdown elicits antitumor immunity against melanoma. Biomaterials, 2021, 268, 120579.	11.4	46
45	Synergistic dual-pH responsive copolymer micelles for pH-dependent drug release. Nanoscale, 2016, 8, 1437-1450.	5.6	45
46	Skin-Adaptable, Long-Lasting Moisture, and Temperature-Tolerant Hydrogel Dressings for Accelerating Burn Wound Healing without Secondary Damage. ACS Applied Materials & Interfaces, 2021, 13, 59695-59707.	8.0	45
47	The study of relationships between pKa value and siRNA delivery efficiency based on tri-block copolymers. Biomaterials, 2018, 176, 84-93.	11.4	44
48	Amphiphilic Polyelectrolyte/Prodrug Nanoparticles Constructed by Synergetic Electrostatic and Hydrophobic Interactions with Cooperative pH-Sensitivity for Controlled Doxorubicin Delivery. ACS Applied Materials & Interfaces, 2015, 7, 6340-6350.	8.0	43
49	A Multitasking Hydrogel Based on Double Dynamic Network with Quadrupleâ€Stimuli Sensitiveness, Autonomic Selfâ€Healing Property, and Biomimetic Adhesion Ability. Macromolecular Chemistry and Physics, 2017, 218, 1700166.	2.2	43
50	An injectable nanocomposite hydrogel co-constructed with gold nanorods and paclitaxel-loaded nanoparticles for local chemo-photothermal synergetic cancer therapy. Journal of Materials Chemistry B, 2019, 7, 2667-2677.	5.8	43
51	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.	5.6	43
52	Tumor Microenvironment Activated Membrane Fusogenic Liposome with Speedy Antibody and Doxorubicin Delivery for Synergistic Treatment of Metastatic Tumors. ACS Applied Materials & Interfaces, 2017, 9, 9315-9326.	8.0	42
53	A strategy for oral chemotherapy via dual pH-sensitive polyelectrolyte complex nanoparticles to achieve gastric survivability, intestinal permeability, hemodynamic stability and intracellular activity. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 107-117.	4.3	40
54	PolyTLR7/8a-conjugated, antigen-trapping gold nanorods elicit anticancer immunity against abscopal tumors by photothermal therapy-induced in situ vaccination. Biomaterials, 2021, 275, 120921.	11.4	40

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55	Tumor targeting and pH-responsive polyelectrolyte complex nanoparticles based on hyaluronic acid-paclitaxel conjugates and Chitosan for oral delivery of paclitaxel. Macromolecular Research, 2013, 21, 1331-1337.	2.4	39
56	Self-assembling nanowires of an amphiphilic camptothecin prodrug derived from homologous derivative conjugation. Chemical Communications, 2016, 52, 14145-14148.	4.1	39
57	ECM based injectable thermo-sensitive hydrogel on the recovery of injured cartilage induced by osteoarthritis. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 152-160.	2.8	39
58	Screening and Matching Amphiphilic Cationic Polymers for Efficient Antibiosis. Biomacromolecules, 2020, 21, 5269-5281.	5.4	38
59	Thermosensitive hydrogel system assembled by PTX-loaded copolymer nanoparticles for sustained intraperitoneal chemotherapy of peritoneal carcinomatosis. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 104, 251-259.	4.3	35
60	Novel dual-functional coating with underwater self-healing and anti-protein-fouling properties by combining two kinds of microcapsules and a zwitterionic copolymer. Progress in Organic Coatings, 2019, 127, 211-221.	3.9	35
61	Self-Assembled chitosan/phospholipid nanoparticles: from fundamentals to preparation for advanced drug delivery. Drug Delivery, 2020, 27, 200-215.	5.7	34
62	The pH-Triggered Triblock Nanocarrier Enabled Highly Efficient siRNA Delivery for Cancer Therapy. Theranostics, 2017, 7, 3432-3445.	10.0	33
63	Chitosan/alginate nanoparticles stabilized by poloxamer for the controlled release of 5â€fluorouracil. Journal of Applied Polymer Science, 2010, 117, 2354-2359.	2.6	32
64	Rational Design of Nanoparticles to Overcome Poor Tumor Penetration and Hypoxia-Induced Chemotherapy Resistance: Combination of Optimizing Size and Self-Inducing High Level of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2019, 11, 31743-31754.	8.0	32
65	Dual-crosslinked nanocomposite hydrogels based on quaternized chitosan and clindamycin-loaded hyperbranched nanoparticles for potential antibacterial applications. International Journal of Biological Macromolecules, 2020, 155, 153-162.	7.5	32
66	Investigation on the properties of methoxy poly(ethylene glycol)/chitosan graft co-polymers. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 1575-1589.	3.5	30
67	Contribution of hydrophobic/hydrophilic modification on cationic chains of poly(Îµ-caprolactone)-graft-poly(dimethylamino ethylmethacrylate) amphiphilic co-polymer in gene delivery. Acta Biomaterialia, 2014, 10, 670-679.	8.3	30
68	Reactive oxygen species activated nanoparticles with tumor acidity internalization for precise anticancer therapy. Journal of Controlled Release, 2017, 255, 142-153.	9.9	29
69	IR spectra studies of core-shell type waterborne polyacrylate-polyurethane microemulsions. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 2642-2650.	2.1	28
70	Zwitterionic nanoparticles constructed from bioreducible RAFTâ€“ROP double head agent for shell shedding triggered intracellular drug delivery. Acta Biomaterialia, 2016, 40, 263-272.	8.3	28
71	Intracellular tracking of drug release from pH-sensitive polymeric nanoparticles via FRET for synergistic chemo-photodynamic therapy. Journal of Nanobiotechnology, 2019, 17, 113.	9.1	28
72	Elaboration on the Distribution of Hydrophobic Segments in the Chains of Amphiphilic Cationic Polymers for Small Interfering RNA Delivery. ACS Applied Materials & Interfaces, 2017, 9, 32463-32474.	8.0	27

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73	Modulating the rigidity of nanoparticles for tumor penetration. Chemical Communications, 2018, 54, 3014-3017.	4.1	27
74	A Modular Coassembly Approach to All-In-One Multifunctional Nanoplatform for Synergistic Codelivery of Doxorubicin and Curcumin. Nanomaterials, 2018, 8, 167.	4.1	27
75	Poly(Îµâ€caprolactone)â€graftâ€poly(2â€(dimethylamino)ethyl methacrylate) Amphiphilic Copolymers Prepared via a Combination of ROP and ATRP: Synthesis, Characterization, and Selfâ€Assembly Behavior. Macromolecular Chemistry and Physics, 2010, 211, 1572-1578.	2.2	26
76	NIR-guided dendritic nanoplatform for improving antitumor efficacy by combining chemo-phototherapy . International Journal of Nanomedicine, 2019, Volume 14, 4931-4947.	6.7	25
77	Layer-by-layer zwitterionic modification of diverse substrates with durable anti-corrosion and anti-fouling properties. Journal of Materials Chemistry B, 2019, 7, 6024-6034.	5.8	25
78	Harnessing pH-Sensitive Polycation Vehicles for the Efficient siRNA Delivery. ACS Applied Materials & Interfaces, 2021, 13, 2218-2229.	8.0	25
79	Supramolecular Hydrogel from Nanoparticles and Cyclodextrins for Local and Sustained Nanoparticle Delivery. Macromolecular Bioscience, 2016, 16, 1188-1199.	4.1	24
80	Investigation on properties of P((MAA-co-DMAEMA)-g-EG) polyampholyte nanogels. Journal of Nanoparticle Research, 2009, 11, 365-374.	1.9	22
81	A comparative investigation between paclitaxel nanoparticle- and nanocrystal-loaded thermosensitive PECT hydrogels for peri-tumoural administration. Nanoscale, 2016, 8, 18782-18791.	5.6	22
82	Lipid nanoparticle-based co-delivery of epirubicin and BCL-2 siRNA for enhanced intracellular drug release and reversing multidrug resistance. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 323-332.	2.8	22
83	Preparation and properties of an injectable thermo-sensitive double crosslinking hydrogel based on thiolated chitosan/beta-glycerophosphate. Journal of Materials Science, 2012, 47, 2509-2517.	3.7	21
84	Thermosensitive in situ hydrogel based on the hybrid of hyaluronic acid and modified PCL/PEG triblock copolymer. Carbohydrate Polymers, 2014, 108, 26-33.	10.2	21
85	Poly(vinyl alcohol) electrospun nanofibrous membrane modified with spirolactamâ€“rhodamine derivatives for visible detection and removal of metal ions. RSC Advances, 2014, 4, 51381-51388.	3.6	21
86	cRGD-Modified Benzimidazole-based pH-Responsive Nanoparticles for Enhanced Tumor Targeted Doxorubicin Delivery. ACS Applied Materials & Interfaces, 2016, 8, 10726-10736.	8.0	21
87	Supramolecular hydrogel based on high-solid-content mPECT nanoparticles and cyclodextrins for local and sustained drug delivery. Biomaterials Science, 2017, 5, 698-706.	5.4	21
88	Multifunctional thermo-sensitive hydrogel for modulating the microenvironment in Osteoarthritis by polarizing macrophages and scavenging RONS. Journal of Nanobiotechnology, 2022, 20, 221.	9.1	21
89	Thermosensitive behavior of poly(ethylene glycol)/poly(2â€(N,Nâ€dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Physics, 2010, 48, 503-508.	2.1	20
90	Properties of amphoteric polyurethane waterborne dispersions. Journal of Colloid and Interface Science, 2003, 266, 276-281.	9.4	19

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91	Thermosensitive in situ hydrogel of paclitaxel conjugated poly(Îµ-caprolactone)-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.7	19
92	Separation and quantification of dead species in styrene RAFT polymerization by gradient polymer elution chromatography. Polymer Chemistry, 2012, 3, 1314.	3.9	19
93	Preparation and characterization of biodegradable poly(sebacic anhydride) chain extended by glycol as drug carrier. Journal of Applied Polymer Science, 2013, 127, 3948-3953.	2.6	19
94	pH/redox dual-sensitive nanoparticles based on the PCL/PEG triblock copolymer for enhanced intracellular doxorubicin release. RSC Advances, 2015, 5, 28060-28069.	3.6	19
95	Sustained co-delivery of ibuprofen and basic fibroblast growth factor by thermosensitive nanoparticle hydrogel as early local treatment of peri-implantitis . International Journal of Nanomedicine, 2019, Volume 14, 1347-1358.	6.7	19
96	Mechanism Investigation of Hyaluronidase-Combined Multistage Nanoparticles for Solid Tumor Penetration and Antitumor Effect . International Journal of Nanomedicine, 2020, Volume 15, 6311-6324.	6.7	19
97	Reduction-sensitive polymeric micelles as amplifying oxidative stress vehicles for enhanced antitumor therapy. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111733.	5.0	19
98	Thermoreversible gelation of poly(ethylene glycol)/poly(ester anhydride) triblock copolymer nanoparticles for injectable drug delivery systems. Soft Matter, 2010, 6, 1915.	2.7	18
99	Structural Mediation on Polycation Nanoparticles by Sulfadiazine to Enhance DNA Transfection Efficiency and Reduce Toxicity. ACS Applied Materials & Interfaces, 2015, 7, 7542-7551.	8.0	18
100	Liposomesâ€Camouflaged Redoxâ€Responsive Nanogels to Resolve the Dilemma between Extracellular Stability and Intracellular Drug Release. Macromolecular Bioscience, 2018, 18, e1800049.	4.1	18
101	Methoxy poly(ethylene glycol)-b-poly(L-lactic acid) copolymer nanoparticles as delivery vehicles for paclitaxel. Journal of Applied Polymer Science, 2005, 98, 2116-2122.	2.6	17
102	Acid-induced disassemblable nanoparticles based on cyclic benzylidene acetal-functionalized graft copolymer via sequential RAFT and ATRP polymerization. Polymer Chemistry, 2014, 5, 1852.	3.9	17
103	A Facile Strategy for Synergistic Integration of Dynamic Covalent Bonds and Hydrogen Bonds to Surmount the Tradeoff between Mechanical Property and Selfâ€Healing Capacity of Hydrogels. Macromolecular Materials and Engineering, 2021, 306, 2000577.	3.6	17
104	Methoxy poly(ethylene glycol)â€blockâ€poly(<scp>D</scp>,<scp>L</scp>â€lactic acid) copolymer nanoparticles as carriers for transdermal drug delivery. Polymer International, 2008, 57, 268-274.	3.1	16
105	Self-assembled cationic triblock copolymer mPEG-b-PDLLA-b-PDMA nanoparticles as nonviral gene vector. Soft Matter, 2012, 8, 2252.	2.7	16
106	Poly(ethylene glycol)/poly(ethyl cyanoacrylate) amphiphilic triblock copolymer nanoparticles as delivery vehicles for dexamethasone. Journal of Polymer Science Part A, 2008, 46, 7809-7815.	2.3	15
107	Facile and Efficient Synthesis of Fluorescenceâ€Labeled RAFT Agents and Their Application in the Preparation of Î±â€‰â€•and Î±,Ï‰â€•Endâ€Fluorescenceâ€Labeled Polymers. Macromolecular Chemistry and Physics, 2012, 213, 1851-1862.	2.6	15
108	Surface modification by self-assembled coating with amphiphilic comb-shaped block copolymers: A solution to the trade-off among solubility, adsorption and coating stability. Macromolecular Research, 2013, 21, 1127-1137.	2.4	15

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109	Facile access to cytocompatible multicompartment micelles with adjustable Janus-cores from A-block-B-graft-C terpolymers prepared by combination of ROP and ATRP. Colloids and Surfaces B: Biointerfaces, 2014, 115, 302-309.	5.0	15
110	Fabrication of mPEGylated graphene oxide/poly(2â€dimethyl aminoethyl methacrylate) nanohybrids and their primary application for small interfering RNA delivery. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
111	Structure-property relationships of core-shell type waterborne polyacrylate-polyurethane microemulsions. Macromolecular Chemistry and Physics, 1998, 199, 2635-2640.	2.2	13
112	Influence of 2-(diisopropylamino)ethyl methacrylate on acid-triggered hydrolysis of cyclic benzylidene acetals and their importance in efficient drug delivery. Polymer Chemistry, 2015, 6, 6671-6679.	3.9	13
113	Preparation and evaluation of tumour microenvironment response multistage nanoparticles for epirubicin delivery and deep tumour penetration. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 860-873.	2.8	13
114	Properties of amphoteric polyurethane waterborne dispersions. III. Isoelectric points and precipitation. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2440-2448.	2.1	12
115	Overcoming Multiple Absorption Barrier for Insulin Oral Delivery Using Multifunctional Nanoparticles Based on Chitosan Derivatives and Hyaluronic Acid . International Journal of Nanomedicine, 2020, Volume 15, 4877-4898.	6.7	12
116	Synthesis and properties of Polycaprolactoneâ€graftâ€poly(2â€(dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Polymers for Advanced Technologies, 2011, 22, 1925-1930.	3.2	11
117	Using Nucleobase Pairing as Supermolecule Linker to Assemble the Bionic Copolymer Nanoparticles with Small Size. Macromolecular Chemistry and Physics, 2016, 217, 2611-2616.	2.2	11
118	In Situ Template Polymerization to Prepare Liposomeâ€Coated PDMAEMA Nanogels with Controlled Size, High Stability, Low Cytotoxicity, and Responsive Drug Release for Intracellular DOX Release. Macromolecular Chemistry and Physics, 2018, 219, 1800071.	2.2	11
119	Combating drug-resistant bacterial infection using biodegradable nanoparticles assembled from comb-like polycarbonates grafted with amphiphilic polyquaternium. Journal of Materials Chemistry B, 2021, 9, 357-365.	5.8	11
120	An injectable thermosensitive hydrogel self-supported by nanoparticles of PEGylated amino-modified PCL for enhanced local tumor chemotherapy. Soft Matter, 2020, 16, 5750-5758.	2.7	11
121	A facile strategy to fabricate covalently linked raspberry-like nanocomposites with pH and thermo tunable structures. RSC Advances, 2016, 6, 40991-41001.	3.6	10
122	Layered double hydroxide modified by PEGylated hyaluronic acid as a hybrid nanocarrier for targeted drug delivery. Transactions of Tianjin University, 2016, 22, 237-246.	6.4	10
123	A reconstituted thermosensitive hydrogel system based on paclitaxel-loaded amphiphilic copolymer nanoparticles and antitumor efficacy. Drug Development and Industrial Pharmacy, 2017, 43, 972-979.	2.0	10
124	Mechanistic insight into the interaction of gastrointestinal mucus with oral diblock copolymers synthesized via ATRP method. International Journal of Nanomedicine, 2018, Volume 13, 2839-2856.	6.7	10
125	Properties of amphoteric polyurethane waterborne dispersions. I. Dependence on pH value in salt-free media. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 972-979.	2.1	9
126	Preparation and characterization of poly{[Î±-maleic anhydride-Ï‰-methoxy-poly(ethylene glycol)]-co-(ethyl) Tj ETQq0 0 0 rgBT /Overlock	3.1	9

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127	One-step gene delivery into the cytoplasm in a fusion-dependent manner based on a new membrane fusogenic lipid. Chemical Communications, 2016, 52, 7406-7408.	4.1	9
128	Nâ€dodecylated chitosan/graphene oxide composite cryogel for hemostasis and antibacterial treatment. Journal of Applied Polymer Science, 2021, 138, 50572.	2.6	9
129	One simple and stable coating of mixedâ€charge copolymers on poly(vinyl chloride) films to improve antifouling efficiency. Journal of Applied Polymer Science, 2017, 134, .	2.6	8
130	Influence of supramolecular layer-crosslinked structure on stability of dual pH-Responsive polymer nanoparticles for doxorubicin delivery. Journal of Drug Delivery Science and Technology, 2018, 45, 81-92.	3.0	8
131	Morphology control and property design of boronate dynamic nanostructures. Polymer Chemistry, 2019, 10, 2436-2446.	3.9	8
132	Layered Double Hydroxide Modified with Deoxycholic and Hyaluronic Acids for Efficient Oral Insulin Absorption. International Journal of Nanomedicine, 2021, Volume 16, 7861-7873.	6.7	8
133	A Ternary Synergistic eNOS Gene Delivery System Based on Calcium Ion and L-Arginine for Accelerating Angiogenesis by Maximizing NO Production. International Journal of Nanomedicine, 2022, Volume 17, 1987-2000.	6.7	8
134	Facile prepared bis(carbazyl thiocarbonyl) disulfide as chain transfer agent for RAFT polymerization of methyl methacrylate. Journal of Applied Polymer Science, 2012, 126, 740-748.	2.6	7
135	pHâ€Sensitive Polycations for siRNA Delivery: Effect of Asymmetric Structures of Tertiary Amine Groups. Macromolecular Bioscience, 2021, 21, e2100025.	4.1	7
136	Preparation and in vitro release of D,Lâ€tetrahydropalmatineâ€loaded graft copolymer nanoparticles. Journal of Applied Polymer Science, 2008, 110, 3525-3531.	2.6	6
137	Preparation and evaluation of reduction-responsive nano-micelles for miriplatin delivery. Experimental Biology and Medicine, 2016, 241, 1169-1176.	2.4	6
138	Thermosensitive Hydrogel Containing Doxycycline Exerts Inhibitory Effects on Abdominal Aortic Aneurysm Induced By Pancreatic Elastase in Mice. Advanced Healthcare Materials, 2017, 6, 1700671.	7.6	6
139	Self-assembly and self-delivery nanodrug of bortezomib: a simple approach to achieve the trade-off between functionality and druggability. Journal of Materials Chemistry B, 2019, 7, 7490-7493.	5.8	6
140	The microgravity enhanced polymer-mediated siRNA gene silence by improving cellular uptake. Biophysics Reports, 2020, 6, 266-277.	0.8	6
141	A Facile Strategy to Achieve Synergistic Multiple Hydrogen Bonding Interactions for Constructing Robust Hydrogels with Selfâ€healing Capability, Shape Transformation and Actuation Function. Macromolecular Chemistry and Physics, 2021, 222, 2000429.	2.2	6
142	Research progress of nanocarriers for gene therapy targeting abnormal glucose and lipid metabolism in tumors. Drug Delivery, 2021, 28, 2329-2347.	5.7	6
143	Glutathione-Priming Nanoreactors Enable Fluorophore Core/Shell Transition for Precision Cancer Imaging. ACS Applied Materials & Interfaces, 2019, 11, 33667-33675.	8.0	5
144	Host-guest supramolecular hydrogel based on nanoparticles: co-delivery of DOX and siBcl-2 for synergistic cancer therapy. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 877-893.	3.5	5

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