

# Hui Gao

## List of Publications by Year in descending order

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107  
papers

3,907  
citations

101543

36  
h-index

138484

58  
g-index

110  
all docs

110  
docs citations

110  
times ranked

5397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Far Red/Near-Infrared Solid Fluorophores: Aggregation-Induced Emission, Intramolecular Charge Transfer, Twisted Molecular Conformation, and Bioimaging Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 155-159.	13.8	257
2	Mesoporous Silica Nanoparticles Coated by Layer-by-Layer Self-assembly Using Cucurbit[7]uril for in Vitro and in Vivo Anticancer Drug Release. <i>Chemistry of Materials</i> , 2014, 26, 6418-6431.	6.7	183
3	pH and Glutathione Dual-Responsive Dynamic Cross-Linked Supramolecular Network on Mesoporous Silica Nanoparticles for Controlled Anticancer Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28656-28664.	8.0	128
4	Layer-by-Layer (LBL) Self-Assembled Biohybrid Nanomaterials for Efficient Antibacterial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17255-17263.	8.0	116
5	Magnetic and pH-sensitive nanoparticles for antitumor drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 15-22.	5.0	108
6	Synthesis of a biodegradable tadpole-shaped polymer via the coupling reaction of polylactide onto mono(6-(2-aminoethyl)amino-6-deoxy)- $\beta$ -cyclodextrin and its properties as the new carrier of protein delivery system. <i>Journal of Controlled Release</i> , 2005, 107, 158-173.	9.9	107
7	Near-Infrared Triggered Upconversion Polymeric Nanoparticles Based on Aggregation-Induced Emission and Mitochondria Targeting for Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26731-26739.	8.0	104
8	Biodegradable Supramolecular Materials Based on Cationic Polyaspartamides and Pillar[5]arene for Targeting Gram-Positive Bacteria and Mitigating Antimicrobial Resistance. <i>Advanced Functional Materials</i> , 2019, 29, 1904683.	14.9	93
9	Supramolecular nanotheranostics based on pillarenes. <i>Theranostics</i> , 2019, 9, 3075-3093.	10.0	92
10	Self-assembly and applications of poly(glycidyl methacrylate)s and their derivatives. <i>Chemical Communications</i> , 2014, 50, 13201-13215.	4.1	90
11	Construction of Supramolecular Nanoassembly for Responsive Bacterial Elimination and Effective Bacterial Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10180-10189.	8.0	84
12	pH-Responsive Molecular Tweezers. <i>Journal of the American Chemical Society</i> , 2010, 132, 8544-8545.	13.7	82
13	Temperature- and pH-responsive nanoparticles of biocompatible polyurethanes for doxorubicin delivery. <i>International Journal of Pharmaceutics</i> , 2013, 441, 30-39.	5.2	81
14	Reverse polymeric micelles for pharmaceutical applications. <i>Journal of Controlled Release</i> , 2008, 132, 208-215.	9.9	74
15	Stimuli-responsive biocompatible nanovalves based on $\beta$ -cyclodextrin modified poly(glycidyl) Tj ETQq1 1 0.784314,rgBT /Overlock 10	3.9	71
16	Biodegradable Synthetic Antimicrobial with Aggregation-Induced Emissive Luminogens for Temporal Antibacterial Activity and Facile Bacteria Detection. <i>Chemistry of Materials</i> , 2018, 30, 1782-1790.	6.7	68
17	Low-power white light triggered AIE polymer nanoparticles with high ROS quantum yield for mitochondria-targeted and image-guided photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6277-6281.	5.8	66
18	Biodegradable and temperature-responsive polyurethanes for adriamycin delivery. <i>International Journal of Pharmaceutics</i> , 2011, 412, 52-58.	5.2	65

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19	Conjugates of poly(dl-lactic acid) with ethylenediamino or diethylenetriamino bridged bis( $\beta$ -cyclodextrin)s and their nanoparticles as protein delivery systems. <i>Journal of Controlled Release</i> , 2006, 112, 301-311.	9.9	64
20	Aminated Linear and Star-Shape Poly(glycerol methacrylate)s: Synthesis and Self-Assembling Properties. <i>Biomacromolecules</i> , 2010, 11, 889-895.	5.4	62
21	Preparation and tunable temperature sensitivity of biodegradable polyurethane nanoassemblies from diisocyanate and poly(ethylene glycol). <i>Soft Matter</i> , 2011, 7, 3546.	2.7	62
22	Nanoassemblies constructed from mesoporous silica nanoparticles and surface-coated multilayer polyelectrolytes for controlled drug delivery. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 245-253.	4.4	62
23	A novel delivery system of doxorubicin with high load and pH-responsive release from the nanoparticles of poly( $\beta$ -aspartic acid) derivative. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 256-264.	4.0	59
24	Interactions of some modified mono- and bis- $\beta$ -cyclodextrins with bovine serum albumin. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 131-137.	3.0	57
25	Renewable polyesters derived from 10-undecenoic acid and vanillic acid with versatile properties. <i>Polymer Chemistry</i> , 2014, 5, 2843-2853.	3.9	54
26	Temperature-responsive drug delivery systems based on polyaspartamides with isopropylamine pendant groups. <i>Soft Matter</i> , 2013, 9, 7267.	2.7	48
27	Construction of an iridium( $\text{III}$ )-complex-loaded MOF nanoplatfom mediated with a dual-responsive polycationic polymer for photodynamic therapy and cell imaging. <i>Chemical Communications</i> , 2020, 56, 762-765.	4.1	48
28	Construction of stable polymeric vesicles based on azobenzene and beta-cyclodextrin grafted poly(glycerol methacrylate)s for potential applications in colon-specific drug delivery. <i>Chemical Communications</i> , 2015, 51, 4715-4718.	4.1	44
29	Aggregation-Induced-Emissive Molecule Incorporated into Polymeric Nanoparticulate as FRET Donor for Observing Doxorubicin Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23760-23766.	8.0	44
30	An injectable and biodegradable hydrogel based on poly( $\beta$ -aspartic acid) derivatives for localized drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 628-638.	4.0	43
31	Star-shaped alkylated poly(glycerol methacrylate) reverse micelles: Synthesis and evaluation of their solubilizing properties in dichloromethane. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2425-2435.	2.3	42
32	Construction of coumarin-based cross-linked micelles with pH responsive hydrazone bond and tumor targeting moiety. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1480-1488.	5.8	42
33	Amino poly(glycerol methacrylate)s for oligonucleic acid delivery with enhanced transfection efficiency and low cytotoxicity. <i>Soft Matter</i> , 2011, 7, 9239.	2.7	40
34	Post-modification of poly(glycidyl methacrylate)s with alkyl amine and isothiocyanate for effective pDNA delivery. <i>Polymer Chemistry</i> , 2013, 4, 4366.	3.9	38
35	Construction of an Antibacterial Membrane Based on Dopamine and Polyethylenimine Cross-Linked Graphene Oxide. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2732-2739.	5.2	38
36	Polyelectrolyte complex nanoparticles of amino poly(glycerol methacrylate)s and insulin. <i>International Journal of Pharmaceutics</i> , 2012, 423, 195-201.	5.2	37

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37	A hydrazone crosslinked zwitterionic polypeptide nanogel as a platform for controlled drug delivery. <i>RSC Advances</i> , 2014, 4, 50301-50311.	3.6	36
38	Layer-by-layer assembled polyaspartamide nanocapsules for pH-responsive protein delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 205-211.	5.0	35
39	Conjugates of poly(DL-lactide-co-glycolide) on amino cyclodextrins and their nanoparticles as protein delivery system. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 111-122.	4.0	34
40	Multifunctional bacterial imaging and therapy systems. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5198-5214.	5.8	34
41	Transcellular delivery of messenger RNA payloads by a cationic supramolecular MOF platform. <i>Chemical Communications</i> , 2018, 54, 11304-11307.	4.1	33
42	Construction of biocompatible bovine serum albumin nanoparticles composed of nano graphene oxide and AIEgen for dual-mode phototherapy bacteriostatic and bacterial tracking. <i>Journal of Nanobiotechnology</i> , 2019, 17, 104.	9.1	33
43	Quaternized amino poly(glycerol-methacrylate)s for enhanced pDNA delivery. <i>Polymer Chemistry</i> , 2013, 4, 3514.	3.9	31
44	Core Cross-Linked Reverse Micelles from Star-Shaped Polymers. <i>Chemistry of Materials</i> , 2008, 20, 3063-3067.	6.7	30
45	Synthesis of a novel zwitterionic biodegradable poly( $\beta$ -L-aspartic acid) derivative with some L-histidine side-residues and its resistance to non-specific protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 237-241.	5.0	30
46	Random Copolycarbonates Based on a Renewable Bicyclic Diol Derived from Citric Acid. <i>Macromolecules</i> , 2017, 50, 7949-7958.	4.8	28
47	A thermo-responsive polyurethane organogel for norfloxacin delivery. <i>Polymer Chemistry</i> , 2018, 9, 228-235.	3.9	28
48	Dual functionalized amino poly(glycerol methacrylate) with guanidine and Schiff-base linked imidazole for enhanced gene transfection and minimized cytotoxicity. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6911-6918.	5.8	27
49	Probe Intracellular Trafficking of a Polymeric DNA Delivery Vehicle by Functionalization with an Aggregation-Induced Emissive Tetraphenylethene Derivative. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28494-28501.	8.0	26
50	Carboxylated poly(glycerol methacrylate)s for doxorubicin delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 65-72.	4.0	25
51	Reverse micelles based on biocompatible $\beta$ -cyclodextrin conjugated polyethylene glycol block polylactide for protein delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 316-322.	5.8	25
52	$\beta$ -Cyclodextrin-conjugated amino poly(glycerol methacrylate)s for efficient insulin delivery. <i>RSC Advances</i> , 2014, 4, 6478.	3.6	24
53	Daylight-stimulated antibacterial activity for sustainable bacterial detection and inhibition. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6350-6357.	5.8	24
54	A multi-functional fluorescent probe with aggregation-induced emission characteristics: Mitochondrial imaging, photodynamic therapy and visualizing therapeutic process in zebrafish model. <i>Dyes and Pigments</i> , 2018, 151, 45-53.	3.7	24

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55	Antimicrobial activities of polymeric quaternary ammonium salts from poly(glycidyl methacrylate)s. <i>Polymers for Advanced Technologies</i> , 2014, 25, 117-122.	3.2	23
56	Sustainable Polycarbonates from a Citric Acid-Based Rigid Diol and Recycled BPA-PC: From Synthesis to Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17059-17067.	6.7	22
57	Synthesis and characterization of zwitterionic peptides derived from natural amino acids and their resistance to protein adsorption. <i>RSC Advances</i> , 2014, 4, 20665.	3.6	21
58	Copolymerization of Natural Camphor-Derived Rigid Diol with Various Dicarboxylic Acids: Access to Biobased Polyesters with Various Properties. <i>ACS Macro Letters</i> , 2019, 8, 1442-1448.	4.8	21
59	Regulated protonation of polyaspartamide derivatives bearing repeated aminoethylene side chains for efficient intracellular siRNA delivery with minimal cytotoxicity. <i>Chemical Communications</i> , 2015, 51, 3158-3161.	4.1	19
60	Self-curing furan-based elastic thermosets derived from citric acid. <i>Green Chemistry</i> , 2016, 18, 6320-6328.	9.0	19
61	Copolyarbonates Based on a Bicyclic Diol Derived from Citric Acid and Flexible 1,4-Cyclohexanedimethanol: From Synthesis to Properties. <i>ACS Macro Letters</i> , 2019, 8, 454-459.	4.8	19
62	AIgens for Bacterial Imaging and Ablation. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100877.	7.6	19
63	Random and Multiblock PBS Copolyesters Based on a Rigid Diol Derived from Naturally Occurring Camphor: Influence of Chemical Microstructure on Thermal and Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3626-3636.	6.7	18
64	A dendritic polyamidoamine supramolecular system composed of pillar[5]arene and azobenzene for targeting drug-resistant colon cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9594-9605.	5.8	18
65	On/off switchable drug release from multi-responsive degradable poly(ether urethane) nanoparticles. <i>Biomaterials Science</i> , 2013, 1, 614.	5.4	17
66	Reverse micelles based on $\beta$ -cyclodextrin-incorporated amphiphilic polyurethane copolymers for protein delivery. <i>Polymer Chemistry</i> , 2014, 5, 5300-5309.	3.9	17
67	A dendritic cationer with an MOF motif for the construction of safe and efficient gene delivery systems. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8322-8329.	5.8	17
68	Hyaluronic acid/PEGylated amphiphilic nanoparticles for pursuit of selective intracellular doxorubicin release. <i>Journal of Materials Chemistry B</i> , 2019, 7, 95-102.	5.8	17
69	Hydrophilic Nanoreservoirs Embedded into Polymeric Micro/Nanoparticles: An Approach To Compatibilize Polar Molecules with Hydrophobic Matrixes. <i>Chemistry of Materials</i> , 2008, 20, 4191-4193.	6.7	16
70	Shedding PEG Palisade by Temporal Photostimulation and Intracellular Reducing Milieu for Facilitated Intracellular Trafficking and DNA Release. <i>Bioconjugate Chemistry</i> , 2016, 27, 1949-1957.	3.6	16
71	Construction of reverse vesicles from pseudo-graft poly(glycerol methacrylate)s via cyclodextrin-cholesterol interactions. <i>Polymer Chemistry</i> , 2014, 5, 6344-6349.	3.9	15
72	Polymer Brush Decorated MOF Nanoparticles Loaded with AIgen, Anticancer Drug, and Supramolecular Glue for Regulating and In Situ Observing DOX Release. <i>Macromolecular Bioscience</i> , 2018, 18, e1800317.	4.1	15

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73	YQFM alleviated cardiac hypertrophy by apoptosis inhibition and autophagy regulation via PI3K/AKT/mTOR pathway. <i>Journal of Ethnopharmacology</i> , 2022, 285, 114835.	4.1	15
74	Synthesis of amphiphilic polyaspartamide derivatives and construction of reverse micelles. <i>RSC Advances</i> , 2014, 4, 37130-37137.	3.6	14
75	Incorporation of an aggregation-induced-emissive tetraphenylethene derivative into cationic gene delivery vehicles manifested the nuclear translocation of uncomplexed DNA. <i>Chemical Communications</i> , 2016, 52, 3907-3910.	4.1	14
76	Near-infrared AIEgen-functionalized and diselenide-linked oligo-ethylenimine with self-sufficing ROS to exert spatiotemporal responsibility for promoted gene delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6660-6666.	5.8	14
77	Synthesis of cross-linked carboxyl poly(glycerol methacrylate) and its application for the controlled release of doxorubicin. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 556-563.	4.0	13
78	Doxorubicin nanomedicine based on ginsenoside Rg1 with alleviated cardiotoxicity and enhanced antitumor activity. <i>Nanomedicine</i> , 2021, 16, 2587-2604.	3.3	12
79	pH-responsive nano-assemblies of amino poly(glycerol methacrylate). <i>European Polymer Journal</i> , 2011, 47, 1232-1239.	5.4	10
80	Synthesis, characterization and controlled drug release from temperature-responsive poly(ether-urethane) particles based on PEG-diisocyanates and aliphatic diols. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1676-1691.	3.5	10
81	Layer-by-layer supramolecular assemblies based on linear and star-shaped poly(glycerol methacrylate)s for doxorubicin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2164-2173.	4.0	10
82	Polyplex Micelle with pH-Responsive PEG Detachment and Functional Tetraphenylene Incorporation to Promote Systemic Gene Expression. <i>Bioconjugate Chemistry</i> , 2017, 28, 2849-2858.	3.6	10
83	A multifunctional polymeric gene delivery system for circumventing biological barriers. <i>Journal of Materials Chemistry B</i> , 2019, 7, 384-392.	5.8	10
84	A cyanine-based polymeric nanoplatform with microenvironment-driven cascaded responsiveness for imaging-guided chemo-photothermal combination anticancer therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2115-2122.	5.8	10
85	Precise control of drug release from dually responsive poly(ether urethane) nanoparticles. <i>RSC Advances</i> , 2013, 3, 13859.	3.6	9
86	Construction of micelles based on biocompatible pseudo-graft polymers via $\beta$ -cyclodextrin/cholesterol interaction for protein delivery. <i>RSC Advances</i> , 2014, 4, 40882-40891.	3.6	9
87	Construction of Bovine Serum Albumin/AIE-Based Quaternary Complexes for Efficient Gene Transfection. <i>Macromolecular Bioscience</i> , 2019, 19, e1800359.	4.1	9
88	ANTI-TUMOR DRUG DELIVERY OF A pH-SENSITIVE POLY(ASPARTIC ACID)-CONTAINING BLOCK COPOLYMER. <i>Acta Polymerica Sinica</i> , 2012, 012, 427-432.	0.0	9
89	Poly(glycerol methacrylate)-based degradable nanoparticles for delivery of small interfering RNA. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 387-399.	2.4	8
90	A theranostic saponin nano-assembly based on FRET of an aggregation-induced emission photosensitizer and photon up-conversion nanoparticles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5286-5290.	5.8	8

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91	A Biomimetic Nonantibiotic Nanoplatform for Low-Temperature Photothermal Treatment of Urinary Tract Infections Caused by Uropathogenic <i>Escherichia coli</i> . <i>Advanced Healthcare Materials</i> , 2022, 11, e2101633.	7.6	8
92	Synthesis and characterization of biocompatible zwitterionic sulfobetaine polypeptides and their resistance to protein adsorption. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	7
93	Reactive Oxygen Species Self-Sufficient Multifunctional Nanoplatform for Synergistic Chemo-Photodynamic Therapy with Red/Near-Infrared Dual-Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 9135-9144.	4.6	7
94	Construction of traceable cucurbit[7]uril-based virus-mimicking quaternary complexes with aggregation-induced emission for efficient gene transfection. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7475-7482.	5.8	5
95	SYNTHESIS OF POLY(ETHYLENE GLYCOL)-POLY(GLUTAMIC ACID)-POLY(ALANINE ACID) TRIBLOCK COPOLYMER AND THE pH-SENSITIVE DRUG DELIVERY OF NANOPARTICLES THEREFROM. <i>Acta Polymerica Sinica</i> , 2012, 012, 599-605.	0.0	5
96	Ethylenediamine bridged bis( $\beta$ -cyclodextrin)/ poly(DL-lactide-co-glycolic acid) nanoparticles prepared by modified double emulsion method: Effect of polyvinyl alcohol on nanoparticle properties. <i>Journal of Applied Polymer Science</i> , 2008, 107, 571-576.	2.6	4
97	Multipronged design of theranostic nanovehicles with endogenous and exogenous stimuli-responsiveness for precise cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1160-1166.	5.8	4
98	One step assembly of ginsenoside Rb1-based nanovehicles with fast cellular transport in photothermal-chemical combined cancer therapy. <i>Nanotechnology</i> , 2021, 32, 195103.	2.6	4
99	Self assembling properties of aminated poly(glycerol methacrylate)s. <i>Journal of Controlled Release</i> , 2011, 152, e142-e143.	9.9	3
100	Novel pH-sensitive zwitterionic poly(amino acid) derivatives for drug delivery. <i>Journal of Controlled Release</i> , 2011, 152, e93-e94.	9.9	3
101	Preparation and pH-Sensitive Drug Delivery Study of PEGpoly(Imidazole) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (	1.4	3
102	Supramolecular nanoparticles constructed by balancing the forces between attractive host-guest and repulsive electrostatic interactions in two positively charged polymers. <i>RSC Advances</i> , 2015, 5, 96464-96471.	3.6	2
103	Fabrication of macroporous protein-containing films through the reverse emulsions approach featuring $\beta$ -cyclodextrin-conjugated PEG-PLGA copolymers. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq1 1 0.784314 rgBT /O	3.8	1
104	Introduction of an AIE fluorophore into cationic gene delivery vehicles verified the nuclear translocation of uncomplexed DNA. <i>Journal of Controlled Release</i> , 2017, 259, e48.	9.9	1
105	pH-sensitive sandwich poly(amino acid) micelles. <i>Journal of Controlled Release</i> , 2011, 152, e100-e101.	9.9	0
106	Construction of reverse vesicles based on cyclodextrin-cholesterol inclusion complexation. <i>Journal of Controlled Release</i> , 2015, 213, e115.	9.9	0
107	Biocompatible smectic polymer nanostructures with controlled morphologies and reduction-responsive properties. <i>Journal of Controlled Release</i> , 2015, 213, e41-e42.	9.9	0