

# Xinge Zhang

## List of Publications by Year in descending order

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92  
papers

3,456  
citations

117625

34  
h-index

149698

56  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of polymer-modified CuS nanoclusters on zebrafish embryo development. <i>Journal of Applied Toxicology</i> , 2022, 42, 295-304.	2.8	2
2	NIR-activated nanosystems with self-modulated bacteria targeting for enhanced biofilm eradication and caries prevention. <i>Bioactive Materials</i> , 2022, 13, 269-285.	15.6	16
3	Polymeric PD-L1 blockade nanoparticles for cancer photothermal-immunotherapy. <i>Biomaterials</i> , 2022, 280, 121312.	11.4	28
4	A bioinspired hierarchical nanoplatform targeting and responding to intracellular pathogens to eradicate parasitic infections. <i>Biomaterials</i> , 2022, 280, 121309.	11.4	18
5	A Spectrum Correction Method Based on Optimizing Turbulence Intensity. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 66.	2.5	3
6	ROS-scavenging glyco-nanoplatform for synergistic antibacterial and wound-healing therapy of bacterial keratitis. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4575-4587.	5.8	15
7	Virus-like-inspired nanoparticles facilitate bacterial internalization for enhanced eradication of drug-resistant pathogens. <i>New Journal of Chemistry</i> , 2022, 46, 14410-14420.	2.8	3
8	Photoactive Silver Nanoagents for Backgroundless Monitoring and Precision Killing of Multidrug-Resistant Bacteria. <i>Nanotheranostics</i> , 2021, 5, 472-487.	5.2	8
9	A fluorescent nanobiocide based on ROS generation for eliminating pathogenic and multidrug-resistant bacteria. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3689-3695.	5.8	18
10	Epithelium-Penetrable Nanoplatform with Enhanced Antibiotic Internalization for Management of Bacterial Keratitis. <i>Biomacromolecules</i> , 2021, 22, 2020-2032.	5.4	12
11	A multi-targeted nanoconjugate for light-driven therapy of chronic wounds. <i>Chemical Engineering Journal</i> , 2021, 414, 128835.	12.7	8
12	Glycosylated Nanotherapeutics with $\beta$ -Lactamase Reversible Competitive Inhibitory Activity Reinvigorates Antibiotics against Gram-Negative Bacteria. <i>Biomacromolecules</i> , 2021, 22, 2834-2849.	5.4	3
13	Oxygen Self-Supplying Nanotherapeutic for Mitigation of Tissue Hypoxia and Enhanced Photodynamic Therapy of Bacterial Keratitis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 33790-33801.	8.0	40
14	A Targeted Photosensitizer Mediated by Visible Light for Efficient Therapy of Bacterial Keratitis. <i>Biomacromolecules</i> , 2021, 22, 3704-3717.	5.4	14
15	Synergy between Clinical Microenvironment Targeted Nanoplatform and Near-Infrared Light Irradiation for Managing <i>Pseudomonas aeruginosa</i> Infections. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38979-38989.	8.0	15
16	A light-activated nanotherapeutic with broad-spectrum bacterial recognition to eliminate drug-resistant pathogens. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1364-1369.	5.8	1
17	Bioadhesive glycosylated nanoformulations for extended trans-corneal drug delivery to suppress corneal neovascularization. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4190-4200.	5.8	11
18	Ag-Conjugated graphene quantum dots with blue light-enhanced singlet oxygen generation for ternary-mode highly-efficient antimicrobial therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1371-1382.	5.8	56

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19	An on-demand nanoplatform for enhanced elimination of drug-resistant bacteria. <i>Biomaterials Science</i> , 2020, 8, 6912-6919.	5.4	3
20	Protonation-Activity Relationship of Bioinspired Ionizable Glycomimetics for the Growth Inhibition of Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 3868-3879.	4.6	8
21	A Bioadhesive Nanoplatform Enhances the Permeation of Drugs Used to Treat Diabetic Macular Edema. <i>ACS Applied Bio Materials</i> , 2020, 3, 2314-2324.	4.6	3
22	Internalization Mechanism of Phenylboronic-Acid-Decorated Nanoplatform for Enhanced Nasal Insulin Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 2132-2139.	4.6	16
23	A bio-inspired injectable hydrogel as a cell platform for real-time glycaemic regulation. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4627-4641.	5.8	6
24	An Antifouling Hydrogel Containing Silver Nanoparticles for Modulating the Therapeutic Immune Response in Chronic Wound Healing. <i>Langmuir</i> , 2019, 35, 1837-1845.	3.5	75
25	In situ real-time tracing of hierarchical targeting nanostructures in drug resistant tumors using diffuse fluorescence tomography. <i>Chemical Science</i> , 2019, 10, 7878-7886.	7.4	17
26	Bioinspired Heteromultivalent Ligand-Decorated Nanotherapeutic for Enhanced Photothermal and Photodynamic Therapy of Antibiotic-Resistant Bacterial Pneumonia. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39648-39661.	8.0	35
27	Sulfhydryl functionalized graphene oxide for efficient preconcentration and photoablation of pathogenic bacteria. <i>New Journal of Chemistry</i> , 2019, 43, 917-925.	2.8	7
28	Synthesized of glucose-responsive nanogels labeled with fluorescence molecule based on phenylboronic acid by RAFT polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 815-831.	3.5	10
29	Peptide-Conjugated CuS Nanocomposites for NIR-Triggered Ablation of <i>Pseudomonas aeruginosa</i> Biofilm. <i>ACS Applied Bio Materials</i> , 2019, 2, 1614-1622.	4.6	4
30	A Biomimetic Non-Antibiotic Approach to Eradicate Drug-Resistant Infections. <i>Advanced Materials</i> , 2019, 31, e1806024.	21.0	131
31	Near-Infrared Light-Activated Thermosensitive Liposomes as Efficient Agents for Photothermal and Antibiotic Synergistic Therapy of Bacterial Biofilm. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14426-14437.	8.0	121
32	Thiazolium-derivative functionalized silver nanocomposites for suppressing bacterial resistance and eradicating biofilms. <i>New Journal of Chemistry</i> , 2018, 42, 1316-1325.	2.8	8
33	A Water-Soluble Galactose-Decorated Cationic Photodynamic Therapy Agent Based on BODIPY to Selectively Eliminate Biofilm. <i>Biomacromolecules</i> , 2018, 19, 141-149.	5.4	39
34	Therapeutic nanoplatforms with bacteria-specific activation for directional transport of antibiotics. <i>Chemical Communications</i> , 2018, 54, 12754-12757.	4.1	14
35	Synthetic Fluorescent Nanoplatform Based on Benzoxaborole for Broad-Spectrum Inhibition of Bacterial Adhesion to Host Cells. <i>Chemistry of Materials</i> , 2018, 30, 8795-8803.	6.7	20
36	Glycomimetic-Conjugated Photosensitizer for Specific <i>Pseudomonas aeruginosa</i> Recognition and Targeted Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 3222-3230.	3.6	29

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37	All-in-one NIR-activated nanoplatfoms for enhanced bacterial biofilm eradication. <i>Nanoscale</i> , 2018, 10, 18520-18530.	5.6	69
38	Nonabsorbable polysaccharide-functionalized polyethylenimine for inhibiting lipid absorption. <i>Carbohydrate Polymers</i> , 2018, 197, 57-65.	10.2	5
39	Structure-Activity Relationship of Membrane-Targeting Cationic Ligands on a Silver Nanoparticle Surface in an Antibiotic-Resistant Antibacterial and Antibiofilm Activity Assay. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13837-13848.	8.0	43
40	Functional Silver Nanocomposites as Broad-Spectrum Antimicrobial and Biofilm-Disrupting Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16834-16847.	8.0	62
41	Cross-linked antifouling polysaccharide hydrogel coating as extracellular matrix mimics for wound healing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2989-2999.	5.8	43
42	A glucose-sensitive block glycopolymer hydrogel based on dynamic boronic ester bonds for insulin delivery. <i>Carbohydrate Research</i> , 2017, 445, 32-39.	2.3	35
43	Photosensitizer-AgNP composite with an ability to selectively recognize pathogen and enhanced photodynamic efficiency. <i>New Journal of Chemistry</i> , 2017, 41, 12371-12374.	2.8	8
44	Single Continuous Near-Infrared Laser-Triggered Photodynamic and Photothermal Ablation of Antibiotic-Resistant Bacteria Using Effective Targeted Copper Sulfide Nanoclusters. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30470-30479.	8.0	128
45	Hierarchical design of a polymeric nanovehicle for efficient tumor regression and imaging. <i>Nanoscale</i> , 2016, 8, 9318-9327.	5.6	13
46	Functional Silver Nanoparticle as a Benign Antimicrobial Agent That Eradicates Antibiotic-Resistant Bacteria and Promotes Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25798-25807.	8.0	167
47	A Nanoscale Polymeric Penetration Enhancer Based on Polylysine for Topical Delivery of Proteins and Peptides. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3585-3593.	3.3	11
48	Glycopolymer modified magnetic mesoporous silica nanoparticles for MR imaging and targeted drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 98-108.	4.7	36
49	An Acid-Triggered Degradable and Fluorescent Nanoscale Drug Delivery System with Enhanced Cytotoxicity to Cancer Cells. <i>Biomacromolecules</i> , 2015, 16, 2444-2454.	5.4	34
50	Block versus Random Amphiphilic Glycopolymer Nanoparticles as Glucose-Responsive Vehicles. <i>Biomacromolecules</i> , 2015, 16, 3345-3356.	5.4	65
51	A biodegradable and fluorescent nanovehicle with enhanced selective uptake by tumor cells. <i>Polymer Chemistry</i> , 2015, 6, 6529-6542.	3.9	10
52	The supramolecular hydrogel based on hyperbranched polyglycerol and dextran as a scaffold for living cells and drug delivery. <i>RSC Advances</i> , 2015, 5, 86730-86739.	3.6	10
53	Antibacterial amphiphiles based on $\mu$ -polylysine: synthesis, mechanism of action, and cytotoxicity. <i>RSC Advances</i> , 2015, 5, 69325-69333.	3.6	19
54	Composite copolymer hybrid silver nanoparticles: preparation and characterization of antibacterial activity and cytotoxicity. <i>Polymer Chemistry</i> , 2015, 6, 772-779.	3.9	25

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55	BODIPY-based macromolecular photosensitizer with cation-enhanced antibacterial activity. <i>Polymer Chemistry</i> , 2015, 6, 302-310.	3.9	47
56	Glucose-sensitive polyelectrolyte nanocapsules based on layer-by-layer technique for protein drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 121-129.	3.6	28
57	In situ cross-linked polysaccharide hydrogel as extracellular matrix mimics for antibiotics delivery. <i>Carbohydrate Polymers</i> , 2014, 105, 63-69.	10.2	58
58	BODIPY-based macromolecular photosensitizer with selective recognition and enhanced anticancer efficiency. <i>RSC Advances</i> , 2014, 4, 19495.	3.6	17
59	Oral glucose- and pH-sensitive nanocarriers for simulating insulin release in vivo. <i>Polymer Chemistry</i> , 2014, 5, 1999-2009.	3.9	42
60	Phenylboronate-diol crosslinked glycopolymeric nanocarriers for insulin delivery at physiological pH. <i>Soft Matter</i> , 2014, 10, 911.	2.7	71
61	Boronate ester bond-based core-shell nanocarriers with pH response for anticancer drug delivery. <i>RSC Advances</i> , 2014, 4, 20208-20215.	3.6	19
62	Polymer-Ag Nanocomposites with Enhanced Antimicrobial Activity against Bacterial Infection. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15813-15821.	8.0	124
63	Multivalent polymer-Au nanocomposites with cationic surfaces displaying enhanced antimicrobial activity. <i>Polymer Chemistry</i> , 2014, 5, 3038-3044.	3.9	28
64	Synthesis of amphiphilic A <sub>4</sub> B <sub>4</sub> star-shaped copolymers by mechanisms transformation combining with thiol-ene reaction. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4572-4583.	2.3	6
65	Amphiphilic glycopolymer nanoparticles as vehicles for nasal delivery of peptides and proteins. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 474-482.	4.0	66
66	Glycopolymer micelles with reducible ionic cores for hepatocytes-targeting delivery of DOX. <i>International Journal of Pharmaceutics</i> , 2013, 441, 170-180.	5.2	39
67	Bioconjugated nanoparticles for attachment and penetration into pathogenic bacteria. <i>Biomaterials</i> , 2013, 34, 10328-10337.	11.4	105
68	Water-soluble BODIPY-conjugated glycopolymers as fluorescent probes for live cell imaging. <i>Polymer Chemistry</i> , 2013, 4, 5743.	3.9	44
69	Synthesis and pH/sugar/salt-sensitivity study of boronate crosslinked glycopolymer nanoparticles. <i>New Journal of Chemistry</i> , 2013, 37, 796.	2.8	33
70	Hydrotropic Polymeric Mixed Micelles Based on Functional Hyperbranched Polyglycerol Copolymers as Hepatoma-Targeting Drug Delivery System. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 145-153.	3.3	23
71	A pH Gated, Glucose-Sensitive Nanoparticle Based on Worm-Like Mesoporous Silica for Controlled Insulin Release. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3852-3860.	2.6	58
72	Phenylboronic acid-containing block copolymers: synthesis, self-assembly, and application for intracellular delivery of proteins. <i>New Journal of Chemistry</i> , 2012, 36, 1413.	2.8	48

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73	Glucose- and temperature-responsive core-shell microgels for controlled insulin release. <i>RSC Advances</i> , 2012, 2, 9904.	3.6	41
74	Development of novel self-assembled poly(3-acrylamidophenylboronic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (acid)/poly(2-lactob of insulin. <i>Soft Matter</i> , 2012, 8, 765-773.	2.7	30
75	Phenylboronic acid-functionalized glycopolymeric nanoparticles for biomacromolecules delivery across nasal respiratory. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 76-84.	4.3	30
76	An injectable and glucose-sensitive nanogel for controlled insulin release. <i>Journal of Materials Chemistry</i> , 2012, 22, 22788.	6.7	76
77	pH- and glucose-sensitive glycopolymer nanoparticles based on phenylboronic acid for triggered release of insulin. <i>Carbohydrate Polymers</i> , 2012, 89, 124-131.	10.2	62
78	Delivery of protein drugs using nanoparticles self-assembled from dextran sulfate and quaternized chitosan. <i>Journal of Controlled Release</i> , 2011, 152, e170-e172.	9.9	14
79	Polysaccharides-based polyelectrolyte nanoparticles as protein drugs delivery system. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3657-3670.	1.9	24
80	$\beta$ -Cyclodextrin grafting hyperbranched polyglycerols as carriers for nasal insulin delivery. <i>Carbohydrate Polymers</i> , 2011, 84, 1419-1425.	10.2	34
81	A hydrotropic $\beta$ -cyclodextrin grafted hyperbranched polyglycerol co-polymer for hydrophobic drug delivery. <i>Acta Biomaterialia</i> , 2011, 7, 585-592.	8.3	71
82	Encapsulation of BSA in polylactic acid hyperbranched polyglycerol conjugate nanoparticles: preparation, characterization, and release kinetics. <i>Polymer Bulletin</i> , 2010, 65, 787-805.	3.3	12
83	Hollow and degradable polyelectrolyte nanocapsules for protein drug delivery. <i>Acta Biomaterialia</i> , 2010, 6, 210-217.	8.3	79
84	Synthesis and physicochemical characterization of a novel amphiphilic polylactic acid-hyperbranched polyglycerol conjugate for protein delivery. <i>Journal of Controlled Release</i> , 2009, 140, 141-147.	9.9	44
85	Chitosan-NAC nanoparticles as a vehicle for nasal absorption enhancement of insulin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 150-161.	3.4	121
86	Chitosan bearing pendant cyclodextrin as a carrier for controlled protein release. <i>Carbohydrate Polymers</i> , 2009, 77, 394-401.	10.2	42
87	New glycoconjugate polyacrylamide with water-solubility and additional activated groups: synthesis and characterization. <i>Journal of Polymer Research</i> , 2009, 16, 311-316.	2.4	3
88	Amphiphilic Random Glycopolymer Based on Phenylboronic Acid: Synthesis, Characterization, and Potential as Glucose-Sensitive Matrix. <i>Biomacromolecules</i> , 2009, 10, 1337-1345.	5.4	103
89	Disulfide cross-linked biodegradable polyelectrolyte nanoparticles for the oral delivery of protein drugs. <i>New Journal of Chemistry</i> , 2009, 33, 1882.	2.8	16
90	Glucosamine-carrying temperature- and pH-sensitive microgels: Preparation, characterization, and in vitro drug release studies. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 333-341.	9.4	28

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91	Nasal absorption enhancement of insulin using PEG-grafted chitosan nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 526-534.	4.3	169
92	A cell membrane repair protein-based nanoformulation with multiple actuators for scarless wound healing. Journal of Materials Chemistry B, 0, , .	5.8	1