

Can Zhang

List of Publications by Year in descending order

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98
papers

5,517
citations

87888

38
h-index

82547

72
g-index

100
all docs

100
docs citations

100
times ranked

8090
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil-mediated anticancer drug delivery for suppression of postoperative malignant glioma recurrence. <i>Nature Nanotechnology</i> , 2017, 12, 692-700.	31.5	660
2	Poly(N-isopropylacrylamide)-chitosan as thermosensitive in situ gel-forming system for ocular drug delivery. <i>Journal of Controlled Release</i> , 2007, 120, 186-194.	9.9	251
3	Multistage pH-Responsive Liposomes for Mitochondrial-Targeted Anticancer Drug Delivery. <i>Advanced Materials</i> , 2012, 24, 3659-3665.	21.0	219
4	Sequential Intra-Intercellular Nanoparticle Delivery System for Deep Tumor Penetration. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6253-6258.	13.8	211
5	Pharmacokinetics, biodistribution, efficacy and safety of N-octyl-O-sulfate chitosan micelles loaded with paclitaxel. <i>Biomaterials</i> , 2008, 29, 1233-1241.	11.4	188
6	The mechanism of enhancement on oral absorption of paclitaxel by N-octyl-O-sulfate chitosan micelles. <i>Biomaterials</i> , 2011, 32, 4609-4620.	11.4	186
7	Reversal of multidrug resistance by co-delivery of paclitaxel and lonidamine using a TPGS and hyaluronic acid dual-functionalized liposome for cancer treatment. <i>Biomaterials</i> , 2015, 73, 284-295.	11.4	180
8	Apigenin, a modulator of PPAR γ , attenuates HFD-induced NAFLD by regulating hepatocyte lipid metabolism and oxidative stress via Nrf2 activation. <i>Biochemical Pharmacology</i> , 2017, 136, 136-149.	4.4	168
9	Self-assembly and characterization of paclitaxel-loaded N-octyl-O-sulfate chitosan micellar system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 39, 69-75.	5.0	137
10	Preparation of N-alkyl-O-sulfate chitosan derivatives and micellar solubilization of taxol. <i>Carbohydrate Polymers</i> , 2003, 54, 137-141.	10.2	127
11	Intracellular delivery and antitumor effects of pH-sensitive liposomes based on zwitterionic oligopeptide lipids. <i>Biomaterials</i> , 2013, 34, 2773-2786.	11.4	106
12	Co-delivery of erlotinib and doxorubicin by pH-sensitive charge conversion nanocarrier for synergistic therapy. <i>Journal of Controlled Release</i> , 2016, 229, 80-92.	9.9	104
13	Polymeric micelle systems of hydroxycamptothecin based on amphiphilic N-alkyl-N-trimethyl chitosan derivatives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 55, 192-199.	5.0	100
14	The performance of thiol-terminated PEG-paclitaxel-conjugated gold nanoparticles. <i>Biomaterials</i> , 2013, 34, 10217-10227.	11.4	100
15	PEG conjugated N-octyl-O-sulfate chitosan micelles for delivery of paclitaxel: In vitro characterization and in vivo evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 98-105.	4.0	97
16	ROS-triggered and regenerating anticancer nanosystem: An effective strategy to subdue tumor's multidrug resistance. <i>Journal of Controlled Release</i> , 2014, 196, 370-383.	9.9	95
17	Lactoferrin-Modified Poly(ethylene glycol)-Grafted BSA Nanoparticles as a Dual-Targeting Carrier for Treating Brain Gliomas. <i>Molecular Pharmaceutics</i> , 2014, 11, 1823-1834.	4.6	95
18	Photopolymerized maleilated chitosan/methacrylated silk fibroin micro/nanocomposite hydrogels as potential scaffolds for cartilage tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 383-390.	7.5	94

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19	A series of novel chitosan derivatives: Synthesis, characterization and micellar solubilization of paclitaxel. <i>Carbohydrate Polymers</i> , 2007, 68, 781-792.	10.2	89
20	Hyaluronic acid/chitosan nanoparticles for delivery of curcuminoid and its in vitro evaluation in glioma cells. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1391-1401.	7.5	85
21	Tumor-specific Self-degradable Nanogels as Potential Carriers for Systemic Delivery of Anticancer Proteins. <i>Advanced Functional Materials</i> , 2018, 28, 1707371.	14.9	85
22	Gold conjugate-based liposomes with hybrid cluster bomb structure for liver cancer therapy. <i>Biomaterials</i> , 2016, 74, 280-291.	11.4	68
23	Co-delivery of paclitaxel and anti-survivin siRNA via redox-sensitive oligopeptide liposomes for the synergistic treatment of breast cancer and metastasis. <i>International Journal of Pharmaceutics</i> , 2017, 529, 102-115.	5.2	68
24	Nanocomposite hydrogel incorporating gold nanorods and paclitaxel-loaded chitosan micelles for combination photothermal-chemotherapy. <i>International Journal of Pharmaceutics</i> , 2016, 497, 210-221.	5.2	66
25	Novel Chitosan-Derived Nanomaterials and Their Micelle-Forming Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8409-8416.	5.2	65
26	In vitro evaluation on novel modified chitosan for targeted antitumor drug delivery. <i>Carbohydrate Polymers</i> , 2013, 92, 545-554.	10.2	65
27	Performance of Doxorubicin-Conjugated Gold Nanoparticles: Regulation of Drug Location. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8569-8580.	8.0	64
28	Paclitaxel-Loaded N-Octyl-O-sulfate Chitosan Micelles for Superior Cancer Therapeutic Efficacy and Overcoming Drug Resistance. <i>Molecular Pharmaceutics</i> , 2014, 11, 145-157.	4.6	62
29	Biological evaluation of N-octyl-O-sulfate chitosan as a new nano-carrier of intravenous drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 415-423.	4.0	58
30	Thermosensitive Micelles-Hydrogel Hybrid System Based on Poloxamer 407 for Localized Delivery of Paclitaxel. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2707-2717.	3.3	58
31	The enhanced longevity and liver targetability of Paclitaxel by hybrid liposomes encapsulating Paclitaxel-conjugated gold nanoparticles. <i>International Journal of Pharmaceutics</i> , 2014, 477, 408-415.	5.2	56
32	Solubility and bioavailability enhancement study of lopinavir solid dispersion matrixed with a polymeric surfactant - Soluplus. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 134, 233-245.	4.0	56
33	Novel pH-sensitive chitosan-derived micelles loaded with paclitaxel. <i>Carbohydrate Polymers</i> , 2010, 82, 432-439.	10.2	55
34	Synthesis, characterization, and microsphere formation of galactosylated chitosan. <i>Journal of Applied Polymer Science</i> , 2004, 91, 659-665.	2.6	48
35	Dual-functional Z-scheme CdSe/Se/BiOBr photocatalyst: Generation of hydrogen peroxide and efficient degradation of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1715-1728.	9.4	47
36	Anisamide-functionalized pH-responsive amphiphilic chitosan-based paclitaxel micelles for sigma-1 receptor targeted prostate cancer treatment. <i>Carbohydrate Polymers</i> , 2020, 229, 115498.	10.2	46

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37	Identification, characterization of two NADPH-dependent erythrose reductases in the yeast <i>Yarrowia lipolytica</i> and improvement of erythritol productivity using metabolic engineering. <i>Microbial Cell Factories</i> , 2018, 17, 133.	4.0	44
38	High-Performance Photopolymerized Poly(vinyl alcohol)/Silica Nanocomposite Hydrogels with Enhanced Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27692-27700.	8.0	44
39	Synthesis of metallic nanoparticles protected with N,N,N-trimethyl chitosan chloride via a relatively weak affinity. <i>Nanotechnology</i> , 2006, 17, 4156-4162.	2.6	42
40	Apocynin and raisanberine alleviate intermittent hypoxia induced abnormal StAR and 3 β -HSD and low testosterone by suppressing endoplasmic reticulum stress and activated p66Shc in rat testes. <i>Reproductive Toxicology</i> , 2013, 36, 60-70.	2.9	36
41	Design, synthesis and biological evaluation of novel EGFR/HER2 dual inhibitors bearing a oxazolo[4,5-g]quinazolin-2(1H)-one scaffold. <i>European Journal of Medicinal Chemistry</i> , 2016, 120, 26-36.	5.5	36
42	An arginine derivative contained nanostructure lipid carriers with pH-sensitive membranolytic capability for lysosomolytic anti-cancer drug delivery. <i>International Journal of Pharmaceutics</i> , 2012, 436, 248-257.	5.2	35
43	Self-assembled micelles based on N-octyl-N α -phthalyl-O-phosphoryl chitosan derivative as an effective oral carrier of paclitaxel. <i>Carbohydrate Polymers</i> , 2019, 207, 428-439.	10.2	35
44	pH-Sensitive mPEG-Hz-Cholesterol Conjugates as a Liposome Delivery System. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 527-542.	2.1	34
45	Enhancing effect of N-octyl-O-sulfate chitosan on etoposide absorption. <i>International Journal of Pharmaceutics</i> , 2011, 409, 38-45.	5.2	34
46	Glutathione-mediated drug release from Tiopronin-conjugated gold nanoparticles for acute liver injury therapy. <i>International Journal of Pharmaceutics</i> , 2013, 446, 112-118.	5.2	34
47	Synthesis, characterization and ROS-mediated antitumor effects of palladium(II) complexes of curcuminoids. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 662-671.	5.5	34
48	In vivo evaluation of novel chitosan graft polymeric micelles for delivery of paclitaxel. <i>Drug Delivery</i> , 2011, 18, 181-189.	5.7	33
49	Photopolymerizable thiol-acrylate maleiated hyaluronic acid/thiol-terminated poly(ethylene glycol) hydrogels as potential in-situ formable scaffolds. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 270-277.	7.5	33
50	Novel oxazolo[4,5-g]quinazolin-2(1H)-ones: Dual inhibitors of EGFR and Src protein tyrosine kinases. <i>European Journal of Medicinal Chemistry</i> , 2012, 55, 39-48.	5.5	31
51	Endoplasmic reticulum stress mediating downregulated StAR and 3-beta-HSD and low plasma testosterone caused by hypoxia is attenuated by CPU86017-RS and nifedipine. <i>Journal of Biomedical Science</i> , 2012, 19, 4.	7.0	31
52	Competitive immunoassay by capillary electrophoresis with laser-induced fluorescence for the trace detection of chloramphenicol in animal-derived foods. <i>Electrophoresis</i> , 2008, 29, 3422-3428.	2.4	30
53	Preparation, Physical Properties, and Stability of Gambogic Acid-Loaded Micelles Based on Chitosan Derivatives. <i>Drug Development and Industrial Pharmacy</i> , 2008, 34, 2-9.	2.0	30
54	Design, synthesis and biological activities of novel oxazolo[4,5-g]quinazolin-2(1H)-one derivatives as EGFR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 462-475.	5.5	29

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55	Synthesis of novel pH-sensitive chitosan graft copolymers and micellar solubilization of paclitaxel. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 249-256.	7.5	28
56	Reversing Cancer Multidrug Resistance in Xenograft Models via Orchestrating Multiple Actions of Functional Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22431-22441.	8.0	28
57	Development of a Capillary Electrophoresis-Based Immunoassay with Laser-Induced Fluorescence for the Detection of Carbaryl in Rice Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 8832-8837.	5.2	26
58	N-octyl-O-sulfate chitosan-modified liposomes for delivery of docetaxel: Preparation, characterization, and pharmacokinetics. <i>Biomedicine and Pharmacotherapy</i> , 2012, 66, 46-51.	5.6	26
59	Development of a Liver-Targeting Gold-PEG-Galactose Nanoparticle Platform and a Structure-Function Study. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 347-356.	2.3	25
60	The effect of oil-water partition coefficient on the distribution and cellular uptake of liposome-encapsulated gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 475-481.	5.0	25
61	In Vivo Evaluation of Novel pH-sensitive mPEG-Hz-Chol Conjugate in Liposomes: Pharmacokinetics, Tissue Distribution, Efficacy Assessment. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2010, 38, 136-142.	0.9	22
62	Enabling discrimination capability in an achiral F6BT-based organic semiconductor transistor via circularly polarized light induction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9271-9275.	5.5	22
63	Synthesis and characterization of chitosan derivatives carrying galactose residues. <i>Journal of Applied Polymer Science</i> , 2005, 97, 2161-2167.	2.6	21
64	Co-delivery of antineoplastic and protein drugs by chitosan nanocapsules for a collaborative tumor treatment. <i>Carbohydrate Polymers</i> , 2017, 157, 1470-1478.	10.2	21
65	Co-delivery of TRAIL and siHSP70 using hierarchically modular assembly formulations achieves enhanced TRAIL-resistant cancer therapy. <i>Journal of Controlled Release</i> , 2019, 304, 111-124.	9.9	20
66	Synthesis of Novel Chitosan Derivatives for Micellar Solubilization of Cyclosporine A. <i>Journal of Bioactive and Compatible Polymers</i> , 2008, 23, 563-578.	2.1	19
67	Novel furoxan NO-donor pemetrexed derivatives: design, synthesis, and preliminary biological evaluation. <i>Medicinal Chemistry Research</i> , 2009, 18, 495-510.	2.4	18
68	Modified chitosan derivative micelle system for natural anti-tumor product gambogic acid delivery. <i>Drug Delivery</i> , 2009, 16, 363-370.	5.7	17
69	PEG prodrug of gambogic acid: Amino acid and dipeptide spacer effects. <i>Polymer</i> , 2012, 53, 1694-1702.	3.8	17
70	Novel nonsecosteroidal VDR agonists with phenyl-pyrrolyl pentane skeleton. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 768-778.	5.5	16
71	Smart conjugated polymer nanocarrier for healthy weight loss by negative feedback regulation of lipase activity. <i>Nanoscale</i> , 2016, 8, 3368-3375.	5.6	16
72	The development of tertiary amine cationic lipids for safe and efficient siRNA delivery. <i>Biomaterials Science</i> , 2019, 7, 2777-2792.	5.4	16

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73	Synthesis and biological evaluation of resveratrol-coumarin hybrid compounds as potential antitumor agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 1630-1640.	2.4	15
74	Acid/redox dual-activated liposomes for tumor-targeted drug delivery and enhanced therapeutic efficacy. <i>RSC Advances</i> , 2015, 5, 67803-67808.	3.6	15
75	Protein corona-guided tumor targeting therapy via the surface modulation of low molecular weight PEG. <i>Nanoscale</i> , 2021, 13, 5883-5891.	5.6	15
76	Further Developments of the Phenyl-Pyrrolyl Pentane Series of Nonsteroidal Vitamin D Receptor Modulators as Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3059-3075.	6.4	14
77	β -Amyloid ₄₂ Induces Desensitization of CXCR4 Formyl Peptide Receptor in Neural Stem/Progenitor Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 131-138.	1.4	13
78	CPU86017-RS attenuate hypoxia-induced testicular dysfunction in mice by normalizing androgen biosynthesis genes and pro-inflammatory cytokines. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 470-478.	6.1	12
79	Novel Nonsteroidal Vitamin D Receptor Modulator Combined with Gemcitabine Enhances Pancreatic Cancer Therapy through Remodeling of the Tumor Microenvironment. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 629-643.	6.4	12
80	Hypoxia/oxidative stress alters the pharmacokinetics of CPU86017-RS through mitochondrial dysfunction and NADPH oxidase activation. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 1575-1584.	6.1	11
81	Design, synthesis and evaluation of pyrrolo[2,3-d]pyrimidine-phenylamide hybrids as potent Janus kinase 2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2936-2941.	2.2	11
82	Novel nonsteroidal VDR ligands with phenyl-pyrrolyl pentane skeleton for cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 48-62.	5.5	10
83	Sulfonyl-containing phenyl-pyrrolyl pentane analogues: Novel non-steroidal vitamin D receptor modulators with favorable physicochemical properties, pharmacokinetic properties and anti-tumor activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1174-1191.	5.5	10
84	Raisanberine protected pulmonary arterial rings and cardiac myocytes of rats against hypoxia injury by suppressing NADPH oxidase and calcium influx. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 625-634.	6.1	9
85	A modular assembly pH-sensitive charge reversal siRNA delivery system. <i>Biomaterials Science</i> , 2018, 6, 3075-3084.	5.4	9
86	Modular synthesis of amphiphilic chitosan derivatives based on copper-free click reaction for drug delivery. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120798.	5.2	9
87	RhoC Involved in the Migration of Neural Stem/Progenitor Cells. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 409-417.	3.3	8
88	Design, synthesis and biological evaluation of nonsteroidal vitamin D ₃ receptor ligands as anti-tumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1428-1436.	2.2	8
89	Design, Synthesis, and Antifibrosis Activity in Liver of Nonsteroidal Vitamin D Receptor Agonists with Phenyl-pyrrolyl Pentane Skeleton. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10573-10587.	6.4	8
90	Aerosol delivery of programmed cell death protein 4 using polysorbitol-based gene delivery system for lung cancer therapy. <i>Journal of Drug Targeting</i> , 2014, 22, 829-838.	4.4	7

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91	Discovery of novel nonsteroidal VDR agonists with novel diarylmethane skeleton for the treatment of breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 787-803.	5.5	7
92	Effects of CPU 86017 (chlorobenzyltetrahydroberberine chloride) and its enantiomers on thyrotoxicosis-induced overactive endothelin-1 system and oxidative stress in rat testes. <i>Urology</i> , 2006, 68, 455-461.	1.0	5
93	Synthesis of 1-Octadecanol-Modified Water-Swelling Polyurethane Hydrogels as Vaginal Drug-Delivery Vehicle. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 493-505.	3.5	5
94	Facile dynamic one-step modular assembly based on boronic acid-diol for construction of a micellar drug delivery system. <i>Biomaterials Science</i> , 2018, 6, 2605-2618.	5.4	4
95	An EPR-Independent extravasation Strategy: Deformable leukocytes as vehicles for improved solid tumor therapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 187, 114380.	13.7	4
96	Preparation and Characterization of pH Sensitive Drug Liposomes. , 2018, , 1-24.		1
97	Sequential intra-intercellular nanoparticle delivery system for localized delivery of doxorubicin. <i>Journal of Controlled Release</i> , 2015, 213, e15.	9.9	0
98	Preparation and Characterization of pH Sensitive Drug Liposomes. <i>Biomaterial Engineering</i> , 2021, , 385-408.	0.2	0