Guang-xi Zhai

List of Publications by Year
in descending order

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49 papers	2,637 citations	172457 29 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	4153 citing authors

#	Article	IF	Citations
1	Progress in brain targeting drug delivery system by nasal route. Journal of Controlled Release, 2017, 268, 364-389.	9.9	256
2	Biomedical applications of the graphene-based materials. Materials Science and Engineering C, 2016, 61, 953-964.	7.3	162
3	Internal stimuli-responsive nanocarriers for drug delivery: Design strategies and applications. Materials Science and Engineering C, 2017, 71, 1267-1280.	7.3	161
4	Recent progress of drug nanoformulations targeting to brain. Journal of Controlled Release, 2018, 291, 37-64.	9.9	134
5	The design of pH-sensitive chitosan-based formulations for gastrointestinal delivery. Drug Discovery Today, 2015, 20, 1004-1011.	6.4	130
6	Nanotechnology for Boosting Cancer Immunotherapy and Remodeling Tumor Microenvironment: The Horizons in Cancer Treatment. ACS Nano, 2021, 15, 12567-12603.	14.6	112
7	Crosslinked self-assembled nanoparticles for chemo-sonodynamic combination therapy favoring antitumor, antimetastasis management and immune responses. Journal of Controlled Release, 2018, 290, 150-164.	9.9	103
8	Chondroitin sulfate-based nanocarriers for drug/gene delivery. Carbohydrate Polymers, 2015, 133, 391-399.	10.2	97
9	Cell-penetrating peptide: a means of breaking through the physiological barriers of different tissues and organs. Journal of Controlled Release, 2019, 309, 106-124.	9.9	94
10	Advanced Nanocarriers Based on Heparin and Its Derivatives for Cancer Management. Biomacromolecules, 2015, 16, 423-436.	5.4	93
11	Polymerâ€“drug conjugates: present state of play and future perspectives. Drug Discovery Today, 2013, 18, 1316-1322.	6.4	81
12	Paclitaxel and quercetin co-loaded functional mesoporous silica nanoparticles overcoming multidrug resistance in breast cancer. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111284.	5.0	77
13	Hyaluronic acid-quercetin conjugate micelles: Synthesis, characterization, in vitro and in vivo evaluation. Colloids and Surfaces B: Biointerfaces, 2014, 123, 778-786.	5.0	72
14	Tumor targeting strategies for chitosan-based nanoparticles. Colloids and Surfaces B: Biointerfaces, 2016, 148, 460-473.	5.0	63
15	Redox-sensitive self-assembled nanoparticles based on alpha-tocopherol succinate-modified heparin for intracellular delivery of paclitaxel. Journal of Colloid and Interface Science, 2017, 496, 311-326.	9.4	61
16	Amphiphilic polysaccharides as building blocks for self-assembled nanosystems: molecular design and application in cancer and inflammatory diseases. Journal of Controlled Release, 2018, 272, 114-144.	9.9	59
17	The reversal of chemotherapy-induced multidrug resistance by nanomedicine for cancer therapy. Journal of Controlled Release, 2021, 335, 1-20.	9.9	59
18	The synthesis, self-assembling, and biocompatibility of a novel O-carboxymethyl chitosan cholate decorated with glycyrrhetinic acid. Carbohydrate Polymers, 2014, 111, 753-761.	10.2	53

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19	Chondroitin sulfate-based nanoparticles for enhanced chemo-photodynamic therapy overcoming multidrug resistance and lung metastasis of breast cancer. Carbohydrate Polymers, 2021, 254, 117459.	10.2	51
20	Polymer-drug conjugates: recent progress on administration routes. Expert Opinion on Drug Delivery, 2014, 11, 1075-1086.	5.0	50
21	Photo-triggered self-destructive ROS-responsive nanoparticles of high paclitaxel/chlorin e6 co-loading capacity for synergetic chemo-photodynamic therapy. Journal of Controlled Release, 2020, 323, 333-349.	9.9	49
22	Advances in Hyaluronic Acid-Based Drug Delivery Systems. Current Drug Targets, 2016, 17, 720-730.	2.1	48
23	Development of redox-responsive theranostic nanoparticles for near-infrared fluorescence imaging-guided photodynamic/chemotherapy of tumor. Drug Delivery, 2018, 25, 780-796.	5.7	44
24	The role of glycyrrhetinic acid modification on preparation and evaluation of quercetin-loaded chitosan-based self-aggregates. Journal of Colloid and Interface Science, 2015, 460, 87-96.	9.4	40
25	Self-assembled nanoparticles based on chondroitin sulfate-deoxycholic acid conjugates for docetaxel delivery: Effect of degree of substitution of deoxycholic acid. Colloids and Surfaces B: Biointerfaces, 2016, 146, 235-244.	5.0	40
26	Current research on hyaluronic acid-drug bioconjugates. European Journal of Medicinal Chemistry, 2014, 86, 310-317.	5.5	37
27	pH-responsive copolymers based on pluronic P123-poly(Î²-amino ester): Synthesis, characterization and application of copolymer micelles. Colloids and Surfaces B: Biointerfaces, 2016, 142, 114-122.	5.0	35
28	Chondroitin sulfate derived theranostic and therapeutic nanocarriers for tumor-targeted drug delivery. Carbohydrate Polymers, 2020, 233, 115837.	10.2	34
29	Self-assembled micelles based on Chondroitin sulfate/poly (d , l -lactideco-glycolide) block copolymers for doxorubicin delivery. Journal of Colloid and Interface Science, 2017, 492, 101-111.	9.4	33
30	NIR-triggerable ROS-responsive cluster-bomb-like nanoplatform for enhanced tumor penetration, phototherapy efficiency and antitumor immunity. Biomaterials, 2021, 278, 121135.	11.4	33
31	Pluronic F127-functionalized molybdenum oxide nanosheets with pH-dependent degradability for chemo-photothermal cancer therapy. Journal of Colloid and Interface Science, 2019, 553, 567-580.	9.4	31
32	Design of chitosan-based nanoformulations for efficient intracellular release of active compounds. Nanomedicine, 2014, 9, 723-740.	3.3	29
33	Insight into the role of dual-ligand modification in low molecular weight heparin based nanocarrier for targeted delivery of doxorubicin. International Journal of Pharmaceutics, 2017, 523, 427-438.	5.2	25
34	Multifunctional Polyethylene Glycol (PEG)-Poly (Lactic-Co-Glycolic Acid) (PLGA)-Based Nanoparticles Loading Doxorubicin and Tetrahydrocurcumin for Combined Chemoradiotherapy of Glioma. Medical Science Monitor, 2019, 25, 9737-9751.	1.1	22
35	Development of Effective Tumor Vaccine Strategies Based on Immune Response Cascade Reactions. Advanced Healthcare Materials, 2021, 10, e2100299.	7.6	20
36	RVG-functionalized reduction sensitive micelles for the effective accumulation of doxorubicin in brain. Journal of Nanobiotechnology, 2021, 19, 251.	9.1	20

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37	Progress in Intra-Articular Drug Delivery Systems for Osteoarthritis. Current Drug Targets, 2014, 15, 888-900.	2.1	16
38	A review of stimuli-responsive polymeric micelles for tumor-targeted delivery of curcumin. Drug Development and Industrial Pharmacy, 2021, 47, 839-856.	2.0	15
39	Quantitative prediction of the bitterness of atomoxetine hydrochloride and taste-masked using hydroxypropyl-Î²-cyclodextrin: A biosensor evaluation and interaction study. Asian Journal of Pharmaceutical Sciences, 2020, 15, 492-505.	9.1	14
40	The enhanced effect of tetrahydrocurcumin on radiosensitivity of glioma cells. Journal of Pharmacy and Pharmacology, 2018, 70, 749-759.	2.4	12
41	Research progress in tumor targeted immunotherapy. Expert Opinion on Drug Delivery, 2021, 18, 1067-1090.	5.0	11
42	Tumor microenvironment-responsive size-switchable drug delivery nanosystems. Expert Opinion on Drug Delivery, 2022, 19, 221-234.	5.0	11
43	Intelligent polymeric micelles: development and application as drug delivery for docetaxel. Journal of Drug Targeting, 2017, 25, 285-295.	4.4	10
44	Characterization and bioactivity of self-assembled anti-angiogenic chondroitin sulphate-ES2-AF nanoparticle conjugate . International Journal of Nanomedicine, 2019, Volume 14, 2573-2589.	6.7	10
45	Cancer targeted biomimetic drug delivery system. Journal of Drug Delivery Science and Technology, 2021, 63, 102530.	3.0	10
46	A molybdenum oxide-based degradable nanosheet for combined chemo-photothermal therapy to improve tumor immunosuppression and suppress distant tumors and lung metastases. Journal of Nanobiotechnology, 2021, 19, 428.	9.1	10
47	Advances in autophagy as a target in the treatment of tumours. Journal of Drug Targeting, 2022, 30, 166-187.	4.4	7
48	Mesoporous Silica Carrier-Based Composites for Taste-Masking of Bitter Drug: Fabrication and Palatability Evaluation. AAPS PharmSciTech, 2022, 23, 75.	3.3	3
49	An overview of in vitro dissolution testing for film dosage forms. Journal of Drug Delivery Science and Technology, 2022, 71, 103297.	3.0	0