

Jun Cao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,845
citations

26
h-index

39
g-index

75
ext. papers

2,432
ext. citations

7.7
avg, IF

5.15
L-index

#	Paper	IF	Citations
72	Carrier-free nanodrugs with efficient drug delivery and release for cancer therapy: From intrinsic physicochemical properties to external modification. <i>Bioactive Materials</i> , 2022 , 8, 220-240	16.7	25
71	Super-fast formation of hydrogels based on multi-arm functional polyethylene glycols as endotamponade substitutes. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 9162-9173	7.3	0
70	Fluorocarbon-driven photosensitizer assembly decodes energy conversion pathway for suppressing breast tumor. <i>Nano Today</i> , 2021 , 41, 101305	17.9	14
69	Rosmarinic acid ameliorates septic-associated mortality and lung injury in mice via GRP78/IRE1/JNK pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2021 , 73, 916-921	4.8	1
68	Polymeric micelles amplify tumor oxidative stresses through combining PDT and glutathione depletion for synergistic cancer chemotherapy. <i>Chemical Engineering Journal</i> , 2021 , 411, 128561	14.7	12
67	Mitochondria-acting carrier-free nanoplatfrom self-assembled by tocopheryl succinate carrying cisplatin for combinational tumor therapy. <i>International Journal of Energy Production and Management</i> , 2021 , 8, rbab029	5.3	3
66	A combinational chemo-immune therapy using an enzyme-sensitive nanoplatfrom for dual-drug delivery to specific sites by cascade targeting. <i>Science Advances</i> , 2021 , 7,	14.3	23
65	Spatiotemporal manipulation of L-arginine release from bioactive hydrogels initiates rapid skin wound healing accompanied with repressed scar formation. <i>Applied Materials Today</i> , 2021 , 24, 101116	6.6	5
64	A novel self-healing polydopamine-functionalized chitosan-arginine hydrogel with enhanced angiogenic and antibacterial activities for accelerating skin wound healing. <i>Chemical Engineering Journal</i> , 2021 , 420, 130302	14.7	17
63	Current hydrogel advances in physicochemical and biological response-driven biomedical application diversity.. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 426	21	31
62	Exogenous vitamin C triggered structural changes of redox-activated dual core-crosslinked biodegradable nanogels for boosting the antitumor efficiency. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5109-5116	7.3	10
61	Harnessing carbon monoxide-releasing platforms for cancer therapy. <i>Biomaterials</i> , 2020 , 255, 120193	15.6	30
60	Phagocyte-membrane-coated and laser-responsive nanoparticles control primary and metastatic cancer by inducing anti-tumor immunity. <i>Biomaterials</i> , 2020 , 255, 120159	15.6	49
59	Advanced engineered nanoparticulate platforms to address key biological barriers for delivering chemotherapeutic agents to target sites. <i>Advanced Drug Delivery Reviews</i> , 2020 , 167, 170-188	18.5	49
58	Macrophage-mimic shape changeable nanomedicine retained in tumor for multimodal therapy of breast cancer. <i>Journal of Controlled Release</i> , 2020 , 321, 589-601	11.7	70
57	Overcoming the biological barriers in the tumor microenvironment for improving drug delivery and efficacy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6765-6781	7.3	56
56	High-drug-loading capacity of redox-activated biodegradable nanoplatfrom for active targeted delivery of chemotherapeutic drugs. <i>International Journal of Energy Production and Management</i> , 2020 , 7, 359-369	5.3	4

55	Photo-induced specific intracellular release EGFR inhibitor from enzyme/ROS-dual sensitive nano-platforms for molecular targeted-photodynamic combinational therapy of non-small cell lung cancer. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7931-7940	7.3	7
54	A tumor-to-lymph procedure navigated versatile gel system for combinatorial therapy against tumor recurrence and metastasis. <i>Science Advances</i> , 2020 , 6,	14.3	43
53	Efficacy of Extracorporeal Shock Wave Therapy for Achilles Tendinopathy: A Meta-analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2020 , 8, 2325967120903430	3.5	7
52	Ultrasensitive electrochemical detection of Mycobacterium tuberculosis IS6110 fragment using gold nanoparticles decorated fullerene nanoparticles/nitrogen-doped graphene nanosheet as signal tags. <i>Analytica Chimica Acta</i> , 2019 , 1080, 75-83	6.6	27
51	A sandwich-type electrochemical aptasensor for Mycobacterium tuberculosis MPT64 antigen detection using CNPs decorated N-CNTs/GO nanocomposite coupled with conductive PEI-functionalized metal-organic framework. <i>Biomaterials</i> , 2019 , 216, 119253	15.6	36
50	pH/redox dual-responsive amphiphilic zwitterionic polymers with a precisely controlled structure as anti-cancer drug carriers. <i>Biomaterials Science</i> , 2019 , 7, 3190-3203	7.4	22
49	Enzyme-triggered deshielding of nanoparticles and positive-charge mediated lysosomal escape for chemo/photo-combination therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4758-4762	7.3	10
48	Redox/ATP switchable theranostic nanoparticles for real-time fluorescence monitoring of doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2089-2103	7.3	12
47	Environment-stimulated nanocarriers enabling multi-active sites for high drug encapsulation as an "on demand" drug release system. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2258-2273	7.3	17
46	Bioinspired mimics: Self-assembly of redox-activated phosphorylcholine-based biodegradable copolymers for enhancing antitumor efficiency. <i>Materials Science and Engineering C</i> , 2018 , 89, 401-412	8.3	13
45	Building Micelle Analog Nanoparticle for Multidrug Delivery: Dual-Polymer Nanoparticles with Hydrophilic Shell and Double Hydrophobic Layers. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800330	3.9	3
44	Hierarchical nanocomposites of graphene oxide and PEGylated protoporphyrin as carriers to load doxorubicin hydrochloride for trimodal synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4687-4696	7.3	33
43	Cinnamaldehyde-Based Poly(ester-thioacetal) To Generate Reactive Oxygen Species for Fabricating Reactive Oxygen Species-Responsive Nanoparticles. <i>Biomacromolecules</i> , 2018 , 19, 4658-4667	6.9	28
42	Highly stable RGD/disulfide bridge-bearing star-shaped biodegradable nanocarriers for enhancing drug-loading efficiency, rapid cellular uptake, and on-demand cargo release. <i>International Journal of Nanomedicine</i> , 2018 , 13, 8247-8268	7.3	12
41	Reduction-Induced Decomposition and Self-Aggregation Strategy To Induce Reactive Oxygen Species Generation for Cancer Therapy.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 954-960	4.1	5
40	Multifunctional nanoparticles self-assembled from polyethylenimine-based graft polymers as efficient anticancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 118-127	6	14
39	In vitro and in vivo anti-tumor efficiency comparison of phosphorylcholine micelles with PEG micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 268-279	6	21
38	Fabrication of Polymeric Micelles with Aggregation-Induced Emission and Forster Resonance Energy Transfer for Anticancer Drug Delivery. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1944-1954	6.3	30

37	Dynamic intracellular tracking nanoparticles via pH-evoked "off-on" fluorescence. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3107-3110	7.3	4
36	Phosphorylcholine micelles decorated by hyaluronic acid for enhancing antitumor efficiency. <i>Polymer Chemistry</i> , 2017 , 8, 2472-2483	4.9	15
35	A ROS-responsive polymeric micelle with a β -conjugated thioketal moiety for enhanced drug loading and efficient drug delivery. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 9176-9185	3.9	40
34	Fabrication of a polypseudorotaxane nanoparticle with synergistic photodynamic and chemotherapy. <i>Chinese Chemical Letters</i> , 2017 , 28, 1885-1888	8.1	7
33	The effect of β -cyclodextrin on poly(pseudo)rotaxane nanoparticles self-assembled by protoporphyrin modified poly(ethylene glycol) for anticancer drug delivery. <i>Carbohydrate Polymers</i> , 2017 , 174, 789-797	10.3	7
32	Effects of copolymer component on the properties of phosphorylcholine micelles. <i>International Journal of Nanomedicine</i> , 2017 , 12, 487-500	7.3	11
31	Multi-Activated Polymeric Micelles with Charge-Conversion and ROS-Controlled Drug Release for Efficient Cancer Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 946-959	4	7
30	Arginine modified polymeric micelles as a novel drug delivery system with enhanced endocytosis efficiency. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 148, 181-192	6	17
29	Biodegradable poly(ethylene glycol)-poly(ϵ -caprolactone) polymeric micelles with different tailored topological amphiphilicities for doxorubicin (DOX) drug delivery. <i>RSC Advances</i> , 2016 , 6, 58160-58172	3.7	14
28	Synthesis and Cytocompatibility of Biodegradable Poly (L-Lactide-r-5-Hydroxyl Trimethylene Carbonate) Copolymer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2015 , 52, 218-225	2.2	4
27	Overcoming drug-resistant lung cancer by paclitaxel loaded dual-functional liposomes with mitochondria targeting and pH-response. <i>Biomaterials</i> , 2015 , 52, 126-39	15.6	209
26	Chain length effect on drug delivery of chrysin modified mPEG-BCL micelles. <i>RSC Advances</i> , 2015 , 5, 59014-59021	3.7	19
25	Characteristic of core materials in polymeric micelles effect on their micellar properties studied by experimental and dpd simulation methods. <i>International Journal of Pharmaceutics</i> , 2015 , 492, 152-60	6.5	25
24	Terminal modification of polymeric micelles with β -conjugated moieties for efficient anticancer drug delivery. <i>Biomaterials</i> , 2015 , 71, 1-10	15.6	100
23	Synthesis of amphiphilic copolymers containing zwitterionic sulfobetaine as pH and redox responsive drug carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 1-9	6	29
22	Framework effect of amphiphilic polyesters on their molecular movement and protein adsorption-resistance properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 125, 213-21	6	5
21	Functionalization of biodegradable hyperbranched poly(β -malic acid) as a nanocarrier platform for anticancer drug delivery. <i>RSC Advances</i> , 2015 , 5, 13157-13165	3.7	11
20	Intracellular pH-induced fluorescence used to track nanoparticles in cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5411-5414	7.3	2

19	Synthesis, characterization, and crystallization of biodegradable poly(ϵ -caprolactone)-poly(L-lactide) diblock copolymers. <i>E-Polymers</i> , 2015 , 15, 15-23	2.7	6
18	A facile strategy to generate polymeric nanoparticles for synergistic chemo-photodynamic therapy. <i>Chemical Communications</i> , 2015 , 51, 4271-4	5.8	60
17	Synthesis of an amphiphilic block copolymer containing zwitterionic sulfobetaine as a novel pH-sensitive drug carrier. <i>Polymer Chemistry</i> , 2014 , 5, 1285-1297	4.9	79
16	Cellular internalization of doxorubicin loaded star-shaped micelles with hydrophilic zwitterionic sulfobetaine segments. <i>Biomaterials</i> , 2014 , 35, 4517-24	15.6	56
15	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3190-3199	13	60
14	Polymeric micelles with citraconic amide as pH-sensitive bond in backbone for anticancer drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 471, 28-36	6.5	45
13	Correlation of polymeric micelle sizes and their cellular internalization in vitro and tumor targeting in vivo. <i>RSC Advances</i> , 2014 , 4, 62708-62716	3.7	16
12	Preparation and characterization of chitosan composite membranes crosslinked by carboxyl-capped poly(ethylene glycol). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 236-244	3.5	7
11	Effect of architecture on the micellar properties of poly (ϵ -caprolactone) containing sulfobetaines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 35-41	6	32
10	Polyurethanes containing zwitterionic sulfobetaines and their molecular chain rearrangement in water. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 909-18	5.4	18
9	Tuning the structure of graphene oxide and the properties of poly(vinyl alcohol)/graphene oxide nanocomposites by ultrasonication. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3163	13	44
8	In situ chemically crosslinked chitosan membrane by adipic acid. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3308-3314	2.9	15
7	Novel pH-sensitive micelles generated by star-shape copolymers containing zwitterionic sulfobetaine for efficient cellular internalization. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 1847-6†		31
6	Study on Amino-functionalized Graphene Oxide/Poly(methyl methacrylate) Nanocomposites. <i>Chemistry Letters</i> , 2012 , 41, 683-685	1.7	12
5	Crystallization, rheological behavior and mechanical properties of poly(vinylidene fluoride) composites containing graphitic fillers: a comparative study. <i>Polymer International</i> , 2012 , 61, 1031-1040	3.3	13
4	Copolymer nanoparticles composed of sulfobetaine and poly(ϵ -caprolactone) as novel anticancer drug carriers. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 2079-87	5.4	15
3	Effect of temperature and time on the exfoliation and de-oxygenation of graphite oxide by thermal reduction. <i>Journal of Materials Science</i> , 2012 , 47, 5097-5105	4.3	35
2	Enhancing blood compatibility of biodegradable polymers by introducing sulfobetaine. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 97, 472-9	5.4	29

- 1 Structure Inversion-Bridged Sequential Amino Acid Metabolism Disturbance Potentiates Photodynamic-Evoked Immunotherapy. *Advanced Functional Materials*, 2103394

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