Jun Cao

List of Publications by Citations

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	Overcoming drug-resistant lung cancer by paclitaxel loaded dual-functional liposomes with mitochondria targeting and pH-response. *Biomaterials*, **2015**, 52, 126-39	15.6	209
71	Terminal modification of polymeric micelles with π-conjugated moieties for efficient anticancer drug delivery. *Biomaterials*, **2015**, 71, 1-10	15.6	100
70	Synthesis of an amphiphilic block copolymer containing zwitterionic sulfobetaine as a novel pH-sensitive drug carrier. *Polymer Chemistry*, **2014**, 5, 1285-1297	4.9	79
69	Macrophage-mimic shape changeable nanomedicine retained in tumor for multimodal therapy of breast cancer. *Journal of Controlled Release*, **2020**, 321, 589-601	11.7	70
68	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. *Journal of Materials Chemistry A*, **2014**, 2, 3190-3199	13	60
67	A facile strategy to generate polymeric nanoparticles for synergistic chemo-photodynamic therapy. *Chemical Communications*, **2015**, 51, 4271-4	5.8	60
66	Overcoming the biological barriers in the tumor microenvironment for improving drug delivery and efficacy. *Journal of Materials Chemistry B*, **2020**, 8, 6765-6781	7.3	56
65	Cellular internalization of doxorubicin loaded star-shaped micelles with hydrophilic zwitterionic sulfobetaine segments. *Biomaterials*, **2014**, 35, 4517-24	15.6	56
64	Phagocyte-membrane-coated and laser-responsive nanoparticles control primary and metastatic cancer by inducing anti-tumor immunity. *Biomaterials*, **2020**, 255, 120159	15.6	49
63	Advanced engineered nanoparticulate platforms to address key biological barriers for delivering chemotherapeutic agents to target sites. *Advanced Drug Delivery Reviews*, **2020**, 167, 170-188	18.5	49
62	Polymeric micelles with citraconic amide as pH-sensitive bond in backbone for anticancer drug delivery. *International Journal of Pharmaceutics*, **2014**, 471, 28-36	6.5	45
61	Tuning the structure of graphene oxide and the properties of poly(vinyl alcohol)/graphene oxide nanocomposites by ultrasonication. *Journal of Materials Chemistry A*, **2013**, 1, 3163	13	44
60	A tumor-to-lymph procedure navigated versatile gel system for combinatorial therapy against tumor recurrence and metastasis. *Science Advances*, **2020**, 6,	14.3	43
59	A ROS-responsive polymeric micelle with a π-conjugated thioketal moiety for enhanced drug loading and efficient drug delivery. *Organic and Biomolecular Chemistry*, **2017**, 15, 9176-9185	3.9	40
58	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. *Biomaterials*, **2019**, 216, 119253	15.6	36
57	Effect of temperature and time on the exfoliation and de-oxygenation of graphite oxide by thermal reduction. *Journal of Materials Science*, **2012**, 47, 5097-5105	4.3	35
56	Hierarchical nanocomposites of graphene oxide and PEGylated protoporphyrin as carriers to load doxorubicin hydrochloride for trimodal synergistic therapy. *Journal of Materials Chemistry B*, **2018**, 6, 4687-4696	7.3	33

55	Effect of architecture on the micellar properties of poly (e-caprolactone) containing sulfobetaines. *Colloids and Surfaces B: Biointerfaces*, **2013**, 112, 35-41	6	32
54	Novel pH-sensitive micelles generated by star-shape copolymers containing zwitterionic sulfobetaine for efficient cellular internalization. *Journal of Biomedical Nanotechnology*, **2013**, 9, 1847-61	4	31
53	Current hydrogel advances in physicochemical and biological response-driven biomedical application diversity.. *Signal Transduction and Targeted Therapy*, **2021**, 6, 426	21	31
52	Fabrication of Polymeric Micelles with Aggregation-Induced Emission and Forster Resonance Energy Transfer for Anticancer Drug Delivery. *Bioconjugate Chemistry*, **2017**, 28, 1944-1954	6.3	30
51	Harnessing carbon monoxide-releasing platforms for cancer therapy. *Biomaterials*, **2020**, 255, 120193	15.6	30
50	Synthesis of amphiphilic copolymers containing zwitterionic sulfobetaine as pH and redox responsive drug carriers. *Colloids and Surfaces B: Biointerfaces*, **2015**, 126, 1-9	6	29
49	Enhancing blood compatibility of biodegradable polymers by introducing sulfobetaine. *Journal of Biomedical Materials Research - Part A*, **2011**, 97, 472-9	5.4	29
48	Cinnamaldehyde-Based Poly(ester-thioacetal) To Generate Reactive Oxygen Species for Fabricating Reactive Oxygen Species-Responsive Nanoparticles. *Biomacromolecules*, **2018**, 19, 4658-4667	6.9	28
47	Ultrasensitive electrochemical detection of Mycobacterium tuberculosis IS6110 fragment using gold nanoparticles decorated fullerene nanoparticles/nitrogen-doped graphene nanosheet as signal tags. *Analytica Chimica Acta*, **2019**, 1080, 75-83	6.6	27
46	Characteristic of core materials in polymeric micelles effect on their micellar properties studied by experimental and dpd simulation methods. *International Journal of Pharmaceutics*, **2015**, 492, 152-60	6.5	25
45	Carrier-free nanodrugs with efficient drug delivery and release for cancer therapy: From intrinsic physicochemical properties to external modification. *Bioactive Materials*, **2022**, 8, 220-240	16.7	25
44	A combinational chemo-immune therapy using an enzyme-sensitive nanoplatform for dual-drug delivery to specific sites by cascade targeting. *Science Advances*, **2021**, 7,	14.3	23
43	pH/redox dual-responsive amphiphilic zwitterionic polymers with a precisely controlled structure as anti-cancer drug carriers. *Biomaterials Science*, **2019**, 7, 3190-3203	7.4	22
42	In vitro and in vivo anti-tumor efficiency comparison of phosphorylcholine micelles with PEG micelles. *Colloids and Surfaces B: Biointerfaces*, **2017**, 157, 268-279	6	21
41	Chain length effect on drug delivery of chrysin modified mPEG-PCL micelles. *RSC Advances*, **2015**, 5, 59014-59021	3.7	19
40	Polyurethanes containing zwitterionic sulfobetaines and their molecular chain rearrangement in water. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 909-18	5.4	18
39	Environment-stimulated nanocarriers enabling multi-active sites for high drug encapsulation as an "on demand" drug release system. *Journal of Materials Chemistry B*, **2018**, 6, 2258-2273	7.3	17
38	Arginine modified polymeric micelles as a novel drug delivery system with enhanced endocytosis efficiency. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 181-192	6	17

37	A novel self-healing polydopamine-functionalized chitosan-arginine hydrogel with enhanced angiogenic and antibacterial activities for accelerating skin wound healing. *Chemical Engineering Journal*, **2021**, 420, 130302	14.7	17
36	Correlation of polymeric micelle sizes and their cellular internalization in vitro and tumor targeting in vivo. *RSC Advances*, **2014**, 4, 62708-62716	3.7	16
35	Phosphorylcholine micelles decorated by hyaluronic acid for enhancing antitumor efficiency. *Polymer Chemistry*, **2017**, 8, 2472-2483	4.9	15
34	Copolymer nanoparticles composed of sulfobetaine and poly(ε-caprolactone) as novel anticancer drug carriers. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 2079-87	5.4	15
33	In situ chemically crosslinked chitosan membrane by adipic acid. *Journal of Applied Polymer Science*, **2013**, 128, 3308-3314	2.9	15
32	Multifunctional nanoparticles self-assembled from polyethylenimine-based graft polymers as efficient anticancer drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 118-127	6	14
31	Biodegradable poly(ethylene glycol)-b-poly(ε-caprolactone) polymeric micelles with different tailored topological amphiphilies for doxorubicin (DOX) drug delivery. *RSC Advances*, **2016**, 6, 58160-58172	3.7	14
30	Fluorocarbon-driven photosensitizer assembly decodes energy conversion pathway for suppressing breast tumor. *Nano Today*, **2021**, 41, 101305	17.9	14
29	Bioinspired mimics: Self-assembly of redox-activated phosphorylcholine-based biodegradable copolymers for enhancing antitumor efficiency. *Materials Science and Engineering C*, **2018**, 89, 401-412	8.3	13
28	Crystallization, rheological behavior and mechanical properties of poly(vinylidene fluoride) composites containing graphitic fillers: a comparative study. *Polymer International*, **2012**, 61, 1031-1040	3.3	13
27	Redox/ATP switchable theranostic nanoparticles for real-time fluorescence monitoring of doxorubicin delivery. *Journal of Materials Chemistry B*, **2018**, 6, 2089-2103	7.3	12
26	Study on Amino-functionalized Graphene Oxide/Poly(methyl methacrylate) Nanocomposites. *Chemistry Letters*, **2012**, 41, 683-685	1.7	12
25	Polymeric micelles amplify tumor oxidative stresses through combining PDT and glutathione depletion for synergistic cancer chemotherapy. *Chemical Engineering Journal*, **2021**, 411, 128561	14.7	12
24	Highly stable RGD/disulfide bridge-bearing star-shaped biodegradable nanocarriers for enhancing drug-loading efficiency, rapid cellular uptake, and on-demand cargo release. *International Journal of Nanomedicine*, **2018**, 13, 8247-8268	7.3	12
23	Effects of copolymer component on the properties of phosphorylcholine micelles. *International Journal of Nanomedicine*, **2017**, 12, 487-500	7.3	11
22	Functionalization of biodegradable hyperbranched poly(β-malic acid) as a nanocarrier platform for anticancer drug delivery. *RSC Advances*, **2015**, 5, 13157-13165	3.7	11
21	Exogenous vitamin C triggered structural changes of redox-activated dual core-crosslinked biodegradable nanogels for boosting the antitumor efficiency. *Journal of Materials Chemistry B*, **2020**, 8, 5109-5116	7.3	10
20	Enzyme-triggered deshielding of nanoparticles and positive-charge mediated lysosomal escape for chemo/photo-combination therapy. *Journal of Materials Chemistry B*, **2019**, 7, 4758-4762	7.3	10

19	Fabrication of a polypseudorotaxane nanoparticle with synergistic photodynamic and chemotherapy. *Chinese Chemical Letters*, **2017**, 28, 1885-1888	8.1	7
18	The effect of □-cyclodextrin on poly(pseudo)rotaxane nanoparticles self-assembled by protoporphyrin modified poly(ethylene glycol) for anticancer drug delivery. *Carbohydrate Polymers*, **2017**, 174, 789-797	10.3	7
17	Preparation and characterization of chitosan composite membranes crosslinked by carboxyl-capped poly(ethylene glycol). *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 236-244	3.5	7
16	Multi-Activated Polymeric Micelles with Charge-Conversion and ROS-Controlled Drug Release for Efficient Cancer Therapy. *Journal of Biomedical Nanotechnology*, **2017**, 13, 946-959	4	7
15	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. *Journal of Materials Chemistry B*, **2020**, 8, 7931-7940	7.3	7
14	Efficacy of Extracorporeal Shock Wave Therapy for Achilles Tendinopathy: A Meta-analysis. *Orthopaedic Journal of Sports Medicine*, **2020**, 8, 2325967120903430	3.5	7
13	Synthesis, characterization, and crystallization of biodegradable poly(□-caprolactone)-poly(L-lactide) diblock copolymers. *E-Polymers*, **2015**, 15, 15-23	2.7	6
12	Structure Inversion-Bridged Sequential Amino Acid Metabolism Disturbance Potentiates Photodynamic-Evoked Immunotherapy. *Advanced Functional Materials*,2103394	15.6	6
11	Framework effect of amphiphilic polyesters on their molecular movement and protein adsorption-resistance properties. *Colloids and Surfaces B: Biointerfaces*, **2015**, 125, 213-21	6	5
10	Reduction-Induced Decomposition and Self-Aggregation Strategy To Induce Reactive Oxygen Species Generation for Cancer Therapy.. *ACS Applied Bio Materials*, **2018**, 1, 954-960	4.1	5
9	Spatiotemporal manipulation of L-arginine release from bioactive hydrogels initiates rapid skin wound healing accompanied with repressed scar formation. *Applied Materials Today*, **2021**, 24, 101116	6.6	5
8	Dynamic intracellular tracking nanoparticles via pH-evoked "off-on" fluorescence. *Journal of Materials Chemistry B*, **2017**, 5, 3107-3110	7.3	4
7	Synthesis and Cytocompatibility of Biodegradable Poly (L-Lactide-r-5-Hydroxyl Trimethylene Carbonate) Copolymer. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2015**, 52, 218-225	2.2	4
6	High-drug-loading capacity of redox-activated biodegradable nanoplatform for active targeted delivery of chemotherapeutic drugs. *International Journal of Energy Production and Management*, **2020**, 7, 359-369	5.3	4
5	Building Micelle Analog Nanoparticle for Multidrug Delivery: Dual-Polymer Nanoparticles with Hydrophilic Shell and Double Hydrophobic Layers. *Macromolecular Materials and Engineering*, **2018**, 303, 1800330	3.9	3
4	Mitochondria-acting carrier-free nanoplatform self-assembled by □-tocopheryl succinate carrying cisplatin for combinational tumor therapy. *International Journal of Energy Production and Management*, **2021**, 8, rbab029	5.3	3
3	Intracellular pH-induced fluorescence used to track nanoparticles in cells. *Journal of Materials Chemistry B*, **2015**, 3, 5411-5414	7.3	2
2	Rosmarinic acid ameliorates septic-associated mortality and lung injury in mice via GRP78/IRE1□JNK pathway. *Journal of Pharmacy and Pharmacology*, **2021**, 73, 916-921	4.8	1

1	Super-fast formation of hydrogels based on multi-arm functional polyethylene glycols as endotamponade substitutes. *Journal of Materials Chemistry B*, **2021**, 9, 9162-9173	7.3	0