Jie Cao

List of Publications by Year in descending order

43 papers	1,645 citations	236925 25 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2443 citing authors

#	Article	IF	Citations
1	Iodinated cyanine dye-based nanosystem for synergistic phototherapy and hypoxia-activated bioreductive therapy. Drug Delivery, 2022, 29, 238-253.	5.7	15
2	Magnetic Nano-Platform Enhanced iPSC-Derived Trabecular Meshwork Delivery and Tracking Efficiency. International Journal of Nanomedicine, 2022, Volume 17, 1285-1307.	6.7	5
3	Strategies to improve photodynamic therapy efficacy by relieving the tumor hypoxia environment. NPG Asia Materials, 2021, 13, .	7.9	96
4	Recent advances in microfluidic-aided chitosan-based multifunctional materials for biomedical applications. International Journal of Pharmaceutics, 2021, 600, 120465.	5.2	32
5	Reduction-sensitive polymeric micelles as amplifying oxidative stress vehicles for enhanced antitumor therapy. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111733.	5.0	19
6	Recent progress of graphene oxide-based multifunctional nanomaterials for cancer treatment. Cancer Nanotechnology, 2021, 12, .	3.7	43
7	Bifunctional alginate/chitosan stabilized perfluorohexane nanodroplets as smart vehicles for ultrasound and pH responsive delivery of anticancer agents. International Journal of Biological Macromolecules, 2021, 191, 1068-1078.	7.5	14
8	Biomimetic phototherapy in cancer treatment: from synthesis to application. Drug Delivery, 2021, 28, 2085-2099.	5.7	8
9	Treatment of rheumatoid arthritis by phototherapy: advances and perspectives. Nanoscale, 2021, 13, 14591-14608.	5.6	23
10	Chemosensitivity enhanced by autophagy inhibition based on a polycationic nano-drug carrier. Nanoscale Advances, 2021, 3, 1656-1673.	4.6	5
11	Overcoming Multiple Absorption Barrier for Insulin Oral Delivery Using Multifunctional Nanoparticles Based on Chitosan Derivatives and Hyaluronic Acid . International Journal of Nanomedicine, 2020, Volume 15, 4877-4898.	6.7	12
12	Tumor Microenvironment-triggered Nanosystems as dual-relief Tumor Hypoxia Immunomodulators for enhanced Phototherapy. Theranostics, 2020, 10, 9132-9152.	10.0	67
13	Microfluidic-mediated nano-drug delivery systems: from fundamentals to fabrication for advanced therapeutic applications. Nanoscale, 2020, 12, 15512-15527.	5.6	58
14	Targeted nanocarriers based on iodinated-cyanine dyes as immunomodulators for synergistic phototherapy. Nanoscale, 2020, 12, 11008-11025.	5.6	35
15	Novel polymeric micelles as enzyme-sensitive nuclear-targeted dual-functional drug delivery vehicles for enhanced 9-nitro-20(S)-camptothecin delivery and antitumor efficacy. Nanoscale, 2020, 12, 5380-5396.	5.6	43
16	Smart sensing of Cu²⁺ in living cells by water-soluble and nontoxic Tb³⁺/Eu³⁺-induced aggregates of polysaccharides through fluorescence imaging. Journal of Materials Chemistry C, 2020, 8, 8171-8182.	5.5	19
17	Cellâ€Inspired Allâ€Aqueous Microfluidics: From Intracellular Liquidâ€“Liquid Phase Separation toward Advanced Biomaterials. Advanced Science, 2020, 7, 1903359.	11.2	111
18	Self-Assembled chitosan/phospholipid nanoparticles: from fundamentals to preparation for advanced drug delivery. Drug Delivery, 2020, 27, 200-215.	5.7	34

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19	NIR-guided dendritic nanoplatform for improving antitumor efficacy by combining chemo-phototherapy . International Journal of Nanomedicine, 2019, Volume 14, 4931-4947.	6.7	25
20	Iodinated Cyanine Dyes for Fast Near-Infrared-Guided Deep Tissue Synergistic Phototherapy. ACS Applied Materials & Interfaces, 2019, 11, 25720-25729.	8.0	83
21	Intracellular tracking of drug release from pH-sensitive polymeric nanoparticles via FRET for synergistic chemo-photodynamic therapy. Journal of Nanobiotechnology, 2019, 17, 113.	9.1	28
22	Preparation of Icaritin-Loaded mPEG-PLA Micelles and Evaluation on Ischemic Brain Injury. Journal of Biomedical Nanotechnology, 2019, 15, 674-685.	1.1	13
23	Integrated Metalloproteinase, pH and Glutathione Responsive Prodrug-Based Nanomedicine for Efficient Target Chemotherapy. Journal of Biomedical Nanotechnology, 2019, 15, 1673-1687.	1.1	19
24	A triple modality BSA-coated dendritic nanoplatform for NIR imaging, enhanced tumor penetration and anticancer therapy. Nanoscale, 2018, 10, 9021-9037.	5.6	34
25	Recent progress in synergistic chemotherapy and phototherapy by targeted drug delivery systems for cancer treatment. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 817-830.	2.8	63
26	ECM based injectable thermo-sensitive hydrogel on the recovery of injured cartilage induced by osteoarthritis. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 152-160.	2.8	39
27	Dual antibacterial behavior of a curcuminâ€“upconversion photodynamic nanosystem for efficient eradication of drug-resistant bacteria in a deep joint infection. Journal of Materials Chemistry B, 2018, 6, 7854-7861.	5.8	27
28	Harnessing copper-palladium alloy tetrapod nanoparticle-induced pro-survival autophagy for optimized photothermal therapy of drug-resistant cancer. Nature Communications, 2018, 9, 4236.	12.8	139
29	Mechanistic insight into the interaction of gastrointestinal mucus with oral diblock copolymers synthesized via ATRP method. International Journal of Nanomedicine, 2018, Volume 13, 2839-2856.	6.7	10
30	Viral Capsids Mimicking Based on pH-Sensitive Biodegradable Polymeric Micelles for Efficient Anticancer Drug Delivery. Journal of Biomedical Nanotechnology, 2018, 14, 1409-1419.	1.1	15
31	Characterization of flavonol mono-, di-, tri- and tetra- O -glycosides by ultra-performance liquid chromatography-electrospray ionization-quadrupole time-of-flight mass spectrometry and its application for identification of flavonol glycosides in Viola tianschanica. Journal of Pharmaceutical and Biomedical Analysis, 2017, 142, 113-124.	2.8	33
32	Flavonol glycosides and other phenolic compounds fromViola tianshanicaand their anti-complement activities. Pharmaceutical Biology, 2016, 54, 1-8.	2.9	18
33	Multifunctional near-infrared light-triggered biodegradable micelles for chemo- and photo-thermal combination therapy. Oncotarget, 2016, 7, 82170-82184.	1.8	26
34	Approach to the study of flavone diâ€Câ€glycosides by high performance liquid chromatographyâ€tandem ion trap mass spectrometry and its application to characterization of flavonoid composition in Viola yedoensis. Journal of Mass Spectrometry, 2014, 49, 1010-1024.	1.6	57
35	Synthesis and evaluation of methionine and folate co-decorated chitosan self-assembly polymeric micelles as a potential hydrophobic drug-delivery system. Science Bulletin, 2013, 58, 2379-2386.	1.7	6
36	Near-infrared light-triggered micelles for fast controlled drug release in deep tissue. Biomaterials, 2013, 34, 6272-6283.	11.4	113

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37	Targeted Cancer Therapy with a 2-Deoxyglucoseâ€“Based Adriamycin Complex. Cancer Research, 2013, 73, 1362-1373.	0.9	66
38	Near Infrared Fluorescent Probe Based on Bombesin Analogue for Tumor Diagnosis in vivo. , 2012, , .		0
39	Fast clearing RGDâ€based nearâ€infrared fluorescent probes for in vivo tumor diagnosis. Contrast Media and Molecular Imaging, 2012, 7, 390-402.	0.8	41
40	In vivo NIR imaging with PbS quantum dots entrapped in biodegradable micelles. Journal of Biomedical Materials Research - Part A, 2012, 100A, 958-968.	4.0	38
41	Two-Phase Approach to High-Quality, Oil-Soluble, Near-Infrared-Emitting PbS Quantum Dots by Using Various Water-Soluble Anion Precursors. European Journal of Inorganic Chemistry, 2011, 2011, 2422-2432.	2.0	25
42	Facile synthesis of high-quality water-soluble N-acetyl-l-cysteine-capped Zn1â^'xCdxSe/ZnS core/shell quantum dots emitting in the violetâ€“green spectral range. Journal of Colloid and Interface Science, 2010, 348, 369-376.	9.4	44
43	Recent Progress of Metal-Organic Framework-Based Photodynamic Therapy for Cancer Treatment. International Journal of Nanomedicine, 0, Volume 17, 2367-2395.	6.7	23