# Jie Cao

## List of Publications by Year in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | Near-infrared light-triggered micelles for fast controlled drug release in deep tissue. Biomaterials, 2013, 34, 6272-6283. | 11.4 | 113 |
| 3 | Cellâ€Inspired Allâ€Aqueous Microfluidics: From Intracellular Liquidâ€“Liquid Phase Separation toward Advanced Biomaterials. Advanced Science, 2020, 7, 1903359. | 11.2 | 111 |
| 4 | Strategies to improve photodynamic therapy efficacy by relieving the tumor hypoxia environment. NPG Asia Materials, 2021, 13, . | 7.9 | 96 |
| 5 | Iodinated Cyanine Dyes for Fast Near-Infrared-Guided Deep Tissue Synergistic Phototherapy. ACS Applied Materials & Interfaces, 2019, 11, 25720-25729. | 8.0 | 83 |
| 6 | Tumor Microenvironment-triggered Nanosystems as dual-relief Tumor Hypoxia Immunomodulators for enhanced Phototherapy. Theranostics, 2020, 10, 9132-9152. | 10.0 | 67 |
| 7 | Targeted Cancer Therapy with a 2-Deoxyglucoseâ€“Based Adriamycin Complex. Cancer Research, 2013, 73, 1362-1373. | 0.9 | 66 |
| 8 | 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 |
| 9 | Microfluidic-mediated nano-drug delivery systems: from fundamentals to fabrication for advanced therapeutic applications. Nanoscale, 2020, 12, 15512-15527. | 5.6 | 58 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Recent progress of graphene oxide-based multifunctional nanomaterials for cancer treatment. Cancer Nanotechnology, 2021, 12, . | 3.7 | 43 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Targeted nanocarriers based on iodinated-cyanine dyes as immunomodulators for synergistic phototherapy. Nanoscale, 2020, 12, 11008-11025. | 5.6 | 35 |
| 18 | A triple modality BSA-coated dendritic nanoplatform for NIR imaging, enhanced tumor penetration and anticancer therapy. Nanoscale, 2018, 10, 9021-9037. | 5.6 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Self-Assembled chitosan/phospholipid nanoparticles: from fundamentals to preparation for advanced drug delivery. Drug Delivery, 2020, 27, 200-215. | 5.7 | 34 |
| 20 | 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 |
| 21 | Recent advances in microfluidic-aided chitosan-based multifunctional materials for biomedical applications. International Journal of Pharmaceutics, 2021, 600, 120465. | 5.2 | 32 |
| 22 | 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 |
| 23 | 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 |
| 24 | Multifunctional near-infrared light-triggered biodegradable micelles for chemo- and photo-thermal combination therapy. Oncotarget, 2016, 7, 82170-82184. | 1.8 | 26 |
| 25 | 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 |
| 26 | <p>NIR-guided dendritic nanoplatform for improving antitumor efficacy by combining chemo-phototherapy</p>. International Journal of Nanomedicine, 2019, Volume 14, 4931-4947. | 6.7 | 25 |
| 27 | Treatment of rheumatoid arthritis by phototherapy: advances and perspectives. Nanoscale, 2021, 13, 14591-14608. | 5.6 | 23 |
| 28 | Recent Progress of Metal-Organic Framework-Based Photodynamic Therapy for Cancer Treatment. International Journal of Nanomedicine, 0, Volume 17, 2367-2395. | 6.7 | 23 |
| 29 | Smart sensing of Cu<sup>2+</sup> in living cells by water-soluble and nontoxic Tb<sup>3+</sup>/Eu<sup>3+</sup>-induced aggregates of polysaccharides through fluorescence imaging. Journal of Materials Chemistry C, 2020, 8, 8171-8182. | 5.5 | 19 |
| 30 | Reduction-sensitive polymeric micelles as amplifying oxidative stress vehicles for enhanced antitumor therapy. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111733. | 5.0 | 19 |
| 31 | Integrated Metalloproteinase, pH and Glutathione Responsive Prodrug-Based Nanomedicine for Efficient Target Chemotherapy. Journal of Biomedical Nanotechnology, 2019, 15, 1673-1687. | 1.1 | 19 |
| 32 | Flavonol glycosides and other phenolic compounds fromViola tianshanicaand their anti-complement activities. Pharmaceutical Biology, 2016, 54, 1-8. | 2.9 | 18 |
| 33 | 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 |
| 34 | Iodinated cyanine dye-based nanosystem for synergistic phototherapy and hypoxia-activated bioreductive therapy. Drug Delivery, 2022, 29, 238-253. | 5.7 | 15 |
| 35 | 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 |
| 36 | Preparation of Icaritin-Loaded mPEG-PLA Micelles and Evaluation on Ischemic Brain Injury. Journal of Biomedical Nanotechnology, 2019, 15, 674-685. | 1.1 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | <p>Overcoming Multiple Absorption Barrier for Insulin Oral Delivery Using Multifunctional Nanoparticles Based on Chitosan Derivatives and Hyaluronic Acid</p>. International Journal of Nanomedicine, 2020, Volume 15, 4877-4898. | 6.7 | 12 |
| 38 | 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 |
| 39 | Biomimetic phototherapy in cancer treatment: from synthesis to application. Drug Delivery, 2021, 28, 2085-2099. | 5.7 | 8 |
| 40 | 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 |
| 41 | Chemosensitivity enhanced by autophagy inhibition based on a polycationic nano-drug carrier. Nanoscale Advances, 2021, 3, 1656-1673. | 4.6 | 5 |
| 42 | Magnetic Nano-Platform Enhanced iPSC-Derived Trabecular Meshwork Delivery and Tracking Efficiency. International Journal of Nanomedicine, 2022, Volume 17, 1285-1307. | 6.7 | 5 |
| 43 | Near Infrared Fluorescent Probe Based on Bombesin Analogue for Tumor Diagnosis in vivo. , 2012, , . | | 0 |