

Jin-Jun Shi

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

17,944
citations

19636

61
h-index

26591

107
g-index

113
all docs

113
docs citations

113
times ranked

24121
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Polymeric nanoparticles for RNA delivery. , 2023, , 555-573. | | 4 |
| 2 | Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. Nature Reviews Cardiology, 2022, 19, 228-249. | 6.1 | 171 |
| 3 | Combining p53 mRNA nanotherapy with immune checkpoint blockade reprograms the immune microenvironment for effective cancer therapy. Nature Communications, 2022, 13, 758. | 5.8 | 94 |
| 4 | Multistage Systemic and Cytosolic Protein Delivery for Effective Cancer Treatment. Nano Letters, 2022, 22, 111-118. | 4.5 | 15 |
| 5 | Nanodelivery of nucleic acids. Nature Reviews Methods Primers, 2022, 2, . | 11.8 | 146 |
| 6 | Oxidativeâ€¦Speciesâ€¦Selective Materials for Diagnostic and Therapeutic Applications. Angewandte Chemie - International Edition, 2021, 60, 9804-9827. | 7.2 | 43 |
| 7 | Materialien mit SelektivitÃ¼t fÃ¼r oxidative MolekÃ¼lspezies fÃ¼r die Diagnostik und Therapie. Angewandte Chemie, 2021, 133, 9888-9912. | 1.6 | 7 |
| 8 | Adjuvant-pulsed mRNA vaccine nanoparticle for immunoprophylactic and therapeutic tumor suppression in mice. Biomaterials, 2021, 266, 120431. | 5.7 | 131 |
| 9 | Chemotherapeutic drugâ€¦DNA hybrid nanostructures for anti-tumor therapy. Materials Horizons, 2021, 8, 78-101. | 6.4 | 31 |
| 10 | ODC (Ornithine Decarboxylase)-Dependent Putrescine Synthesis Maintains MerTK (MER) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (Biology, 2021, 41, e144-e159. | 1.1 | 23 |
| 11 | Targeted delivery of protein arginine deiminase-4 inhibitors to limit arterial intimal NETosis and preserve endothelial integrity. Cardiovascular Research, 2021, 117, 2652-2663. | 1.8 | 24 |
| 12 | Structural Transformative Antioxidants for Dualâ€¦Responsive Antiâ€¦Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie, 2021, 133, 14579-14587. | 1.6 | 4 |
| 13 | Structural Transformative Antioxidants for Dualâ€¦Responsive Antiâ€¦Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie - International Edition, 2021, 60, 14458-14466. | 7.2 | 43 |
| 14 | Reactivation of the tumor suppressor PTEN by mRNA nanoparticles enhances antitumor immunity in preclinical models. Science Translational Medicine, 2021, 13, . | 5.8 | 111 |
| 15 | Siteâ€¦Specific Biomimicry of Antioxidative Melanin Formation and Its Application for Acute Liver Injury Therapy and Imaging. Advanced Materials, 2021, 33, e2102391. | 11.1 | 38 |
| 16 | Lipids and the Emerging RNA Medicines. Chemical Reviews, 2021, 121, 12109-12111. | 23.0 | 14 |
| 17 | Intercalation-Driven Formation of siRNA Nanogels for Cancer Therapy. Nano Letters, 2021, 21, 9706-9714. | 4.5 | 33 |
| 18 | Efferocytosis induces macrophage proliferation to help resolve tissue injury. Cell Metabolism, 2021, 33, 2445-2463.e8. | 7.2 | 98 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | RNA Nanotechnology-Mediated Cancer Immunotherapy. <i>Theranostics</i> , 2020, 10, 281-299. | 4.6 | 100 |
| 20 | Optimized fluorodendrimer-incorporated hybrid lipid-polymer nanoparticles for efficient siRNA delivery. <i>Biomaterials Science</i> , 2020, 8, 758-762. | 2.6 | 12 |
| 21 | An ultra-long circulating nanoparticle for reviving a highly selective BCR-ABL inhibitor in long-term effective and safe treatment of chronic myeloid leukemia. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102283. | 1.7 | 1 |
| 22 | siRNA nanoparticles targeting CaMKII β in lesional macrophages improve atherosclerotic plaque stability in mice. <i>Science Translational Medicine</i> , 2020, 12, . | 5.8 | 132 |
| 23 | Lipidation Approaches Potentiate Adjuvant-Pulsed Immune Surveillance: A Design Rationale for Cancer Nanovaccine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 787. | 2.0 | 11 |
| 24 | Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. <i>Nano Letters</i> , 2020, 20, 4857-4863. | 4.5 | 42 |
| 25 | Transforming platelets into microrobots. <i>Science Robotics</i> , 2020, 5, . | 9.9 | 3 |
| 26 | Sugar-Nanocapsules Imprinted with Microbial Molecular Patterns for mRNA Vaccination. <i>Nano Letters</i> , 2020, 20, 1499-1509. | 4.5 | 61 |
| 27 | Multifunctional Fibers to Shape Future Biomedical Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1902834. | 7.8 | 74 |
| 28 | Emerging Two-Dimensional Nanomaterials for Cancer Therapy. <i>ChemPhysChem</i> , 2019, 20, 2417-2433. | 1.0 | 24 |
| 29 | Biomimetic Nanosilica-Collagen Scaffolds for In Situ Bone Regeneration: Toward a Cell-Free, One-Step Surgery. <i>Advanced Materials</i> , 2019, 31, e1904341. | 11.1 | 134 |
| 30 | Antioxidative nanomaterials and biomedical applications. <i>Nano Today</i> , 2019, 27, 146-177. | 6.2 | 116 |
| 31 | The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie</i> , 2019, 131, 4992-4996. | 1.6 | 20 |
| 32 | Orchestrated biomechanical, structural, and biochemical stimuli for engineering anisotropic meniscus. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 79 |
| 33 | Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , 2019, 13, 4876-4882. | 7.3 | 77 |
| 34 | Peptide-Based Autophagic Gene and Cisplatin Co-delivery Systems Enable Improved Chemotherapy Resistance. <i>Nano Letters</i> , 2019, 19, 2968-2978. | 4.5 | 81 |
| 35 | The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4938-4942. | 7.2 | 73 |
| 36 | Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53-deficient cancers to mTOR inhibition. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 177 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Two-Dimensional Nanosheet-Based Photonic Nanomedicine for Combined Gene and Photothermal Therapy. <i>Frontiers in Pharmacology</i> , 2019, 10, 1573. | 1.6 | 20 |
| 38 | Artificial Photosynthesis: Porphyrin/SiO ₂ /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis (<i>Adv. Funct. Mater.</i> 9/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870061. | 7.8 | 1 |
| 39 | Engineering Multifunctional RNAi Nanomedicine To Concurrently Target Cancer Hallmarks for Combinatorial Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1510-1513. | 7.2 | 168 |
| 40 | Engineering Multifunctional RNAi Nanomedicine To Concurrently Target Cancer Hallmarks for Combinatorial Therapy. <i>Angewandte Chemie</i> , 2018, 130, 1526-1529. | 1.6 | 29 |
| 41 | Porphyrin/SiO ₂ /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis. <i>Advanced Functional Materials</i> , 2018, 28, 1705083. | 7.8 | 45 |
| 42 | Nanoparticles targeting extra domain B of fibronectin-specific to the atherosclerotic lesion types III, IV, and V-enhance plaque detection and cargo delivery. <i>Theranostics</i> , 2018, 8, 6008-6024. | 4.6 | 19 |
| 43 | Enhanced Solar Energy Harvest and Electron Transfer through Intra- and Intermolecular Dual Channels in Chlorosome-Mimicking Supramolecular Self-Assemblies. <i>ACS Catalysis</i> , 2018, 8, 10732-10745. | 5.5 | 26 |
| 44 | Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , 2018, 2, 850-864. | 11.6 | 214 |
| 45 | Redox-Responsive Nanoparticle-Mediated Systemic RNAi for Effective Cancer Therapy. <i>Small</i> , 2018, 14, e1802565. | 5.2 | 85 |
| 46 | Cancer Theranostics: A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy (<i>Adv. Mater.</i> 36/2018). <i>Advanced Materials</i> , 2018, 30, 1870268. | 11.1 | 4 |
| 47 | Dopant-Free Hydrogels with Intrinsic Photoluminescence and Biodegradable Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1802607. | 7.8 | 29 |
| 48 | Biomedical applications of mRNA nanomedicine. <i>Nano Research</i> , 2018, 11, 5281-5309. | 5.8 | 86 |
| 49 | A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy. <i>Advanced Materials</i> , 2018, 30, e1803031. | 11.1 | 318 |
| 50 | Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. <i>Nano Letters</i> , 2018, 18, 4618-4625. | 4.5 | 173 |
| 51 | Black Phosphorus: Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics (<i>Adv. Mater.</i> 1/2017). <i>Advanced Materials</i> , 2017, 29, . | 11.1 | 10 |
| 52 | Multifunctional Envelope-Type siRNA Delivery Nanoparticle Platform for Prostate Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 2618-2627. | 7.3 | 172 |
| 53 | Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11896-11900. | 7.2 | 465 |
| 54 | Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 4427-4435. | 4.5 | 119 |

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|----|--|------|-----------|
| 55 | Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie</i> , 2017, 129, 12058-12062. | 1.6 | 93 |
| 56 | Comprehensive Insights into the Multi-Antioxidative Mechanisms of Melanin Nanoparticles and Their Application To Protect Brain from Injury in Ischemic Stroke. <i>Journal of the American Chemical Society</i> , 2017, 139, 856-862. | 6.6 | 404 |
| 57 | Tantalum Sulfide Nanosheets as a Theranostic Nanoplatfrom for Computed Tomography Imaging-Guided Combinatorial Chemo-Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1703261. | 7.8 | 89 |
| 58 | Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in <i>Ldlr</i> ^{-/-} Mice. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700313. | 3.9 | 63 |
| 59 | ROS-Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1700141. | 11.1 | 370 |
| 60 | Innentitelbild: Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy (<i>Angew. Chem.</i> 39/2017). <i>Angewandte Chemie</i> , 2017, 129, 11816-11816. | 1.6 | 1 |
| 61 | Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics. <i>Advanced Materials</i> , 2017, 29, 1603276. | 11.1 | 721 |
| 62 | Cancer nanomedicine: progress, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2017, 17, 20-37. | 12.8 | 4,153 |
| 63 | Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery <i>In Vitro</i> and <i>In Vivo</i> . <i>Theranostics</i> , 2017, 7, 1990-2002. | 4.6 | 81 |
| 64 | Restoration of tumor suppression in vivo by systemic delivery of chemically-modified PTEN mRNA nanoparticles.. <i>Journal of Clinical Oncology</i> , 2017, 35, 11582-11582. | 0.8 | 3 |
| 65 | Abstract 1231: Restoration of tumor suppression in vivo by systemic delivery of PTEN mRNA nanoparticles. , 2017, , . | | 0 |
| 66 | Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3309-3312. | 7.2 | 121 |
| 67 | Ultra-pH-Responsive and Tumor-Penetrating Nanoplatfrom for Targeted siRNA Delivery with Robust Anti-Cancer Efficacy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7091-7094. | 7.2 | 216 |
| 68 | Prohibitin 1 regulates tumor cell apoptosis via the interaction with X-linked inhibitor of apoptosis protein. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 282-285. | 1.5 | 14 |
| 69 | Ultra-pH-Responsive and Tumor-Penetrating Nanoplatfrom for Targeted siRNA Delivery with Robust Anti-Cancer Efficacy. <i>Angewandte Chemie</i> , 2016, 128, 7207-7210. | 1.6 | 10 |
| 70 | Theranostic near-infrared fluorescent nanoplatfrom for imaging and systemic siRNA delivery to metastatic anaplastic thyroid cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7750-7755. | 3.3 | 73 |
| 71 | Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie</i> , 2016, 128, 3370-3373. | 1.6 | 10 |
| 72 | Nanotechnology for protein delivery: Overview and perspectives. <i>Journal of Controlled Release</i> , 2016, 240, 24-37. | 4.8 | 294 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Hydrophobic Cysteine Poly(disulfide)-based Redox-Hypersensitive Nanoparticle Platform for Cancer Theranostics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9218-9223. | 7.2 | 164 |
| 74 | Long-circulating siRNA nanoparticles for validating Prohibitin1-targeted non-small cell lung cancer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7779-7784. | 3.3 | 170 |
| 75 | A mucosal vaccine against <i>Chlamydia trachomatis</i> generates two waves of protective memory T cells. <i>Science</i> , 2015, 348, aaa8205. | 6.0 | 312 |
| 76 | Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015, 9, 6644-6654. | 7.3 | 279 |
| 77 | Biomaterials for mRNA delivery. <i>Biomaterials Science</i> , 2015, 3, 1519-1533. | 2.6 | 143 |
| 78 | Abstract 18: Prohibitin 1 regulates apoptosis via its interaction with XIAP. , 2015, , . | | 0 |
| 79 | Development of Therapeutic Polymeric Nanoparticles for the Resolution of Inflammation. <i>Advanced Healthcare Materials</i> , 2014, 3, 1448-1456. | 3.9 | 26 |
| 80 | A Solvent-Free Thermosponge Nanoparticle Platform for Efficient Delivery of Labile Proteins. <i>Nano Letters</i> , 2014, 14, 6449-6455. | 4.5 | 36 |
| 81 | Nanomedicine in the management of microbial infection – Overview and perspectives. <i>Nano Today</i> , 2014, 9, 478-498. | 6.2 | 286 |
| 82 | Development of Multinuclear Polymeric Nanoparticles as Robust Protein Nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8975-8979. | 7.2 | 122 |
| 83 | Polymer- and Protein-Based Nanotechnologies for Cancer Theranostics. , 2014, , 419-436. | | 12 |
| 84 | Insight into nanoparticle cellular uptake and intracellular targeting. <i>Journal of Controlled Release</i> , 2014, 190, 485-499. | 4.8 | 624 |
| 85 | Engineered nanomedicine for myeloma and bone microenvironment targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10287-10292. | 3.3 | 234 |
| 86 | Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. <i>Vaccine</i> , 2014, 32, 2882-2895. | 1.7 | 144 |
| 87 | Hybrid lipid-polymer nanoparticles for sustained siRNA delivery and gene silencing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e897-e900. | 1.7 | 76 |
| 88 | Enhancing tumor cell response to chemotherapy through nanoparticle-mediated codelivery of siRNA and cisplatin prodrug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18638-18643. | 3.3 | 302 |
| 89 | Engineering of Targeted Nanoparticles for Cancer Therapy Using Internalizing Aptamers Isolated by Cell-Uptake Selection. <i>ACS Nano</i> , 2012, 6, 696-704. | 7.3 | 148 |
| 90 | DNA Self-Assembly of Targeted Near-Infrared-Responsive Gold Nanoparticles for Cancer Thermo-Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11853-11857. | 7.2 | 299 |

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|-----|--|-----|-----------|
| 91 | Nanoparticles for Targeted and Temporally Controlled Drug Delivery. <i>Nanostructure Science and Technology</i> , 2012, , 9-29. | 0.1 | 51 |
| 92 | Abstract 2896: Nanoparticle co-delivery of RNAi and chemotherapy for the treatment of drug-resistant cancers. , 2012, , . | | 0 |
| 93 | Self-Assembled Targeted Nanoparticles: Evolution of Technologies and Bench to Bedside Translation. <i>Accounts of Chemical Research</i> , 2011, 44, 1123-1134. | 7.6 | 416 |
| 94 | Differentially Charged Hollow Core/Shell Lipid-Polymer-Lipid Hybrid Nanoparticles for Small Interfering RNA Delivery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7027-7031. | 7.2 | 156 |
| 95 | Progress in siRNA Delivery Using Multifunctional Nanoparticles. <i>Methods in Molecular Biology</i> , 2010, 629, 53-67. | 0.4 | 32 |
| 96 | Emerging nanotechnology approaches for HIV/AIDS treatment and prevention. <i>Nanomedicine</i> , 2010, 5, 269-285. | 1.7 | 201 |
| 97 | Nanotechnology in Drug Delivery and Tissue Engineering: From Discovery to Applications. <i>Nano Letters</i> , 2010, 10, 3223-3230. | 4.5 | 1,369 |
| 98 | Impact of Hapten Presentation on Antibody Binding at Lipid Membrane Interfaces. <i>Biophysical Journal</i> , 2008, 94, 3094-3103. | 0.2 | 59 |
| 99 | Multiplexing Ligand-Receptor Binding Measurements by Chemically Patterning Microfluidic Channels. <i>Analytical Chemistry</i> , 2008, 80, 6078-6084. | 3.2 | 27 |
| 100 | Sub-100 nm Patterning of Supported Bilayers by Nanoshaving Lithography. <i>Journal of the American Chemical Society</i> , 2008, 130, 2718-2719. | 6.6 | 88 |
| 101 | GM1Clustering Inhibits Cholera Toxin Binding in Supported Phospholipid Membranes. <i>Journal of the American Chemical Society</i> , 2007, 129, 5954-5961. | 6.6 | 175 |
| 102 | Recent developments in nanomaterial optical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 351-360. | 5.8 | 170 |
| 103 | Determination of NH ₃ gas by combination of nanosized LaCoO ₃ converter with chemiluminescence detector. <i>Talanta</i> , 2003, 61, 157-164. | 2.9 | 38 |
| 104 | Development of a Gas Sensor Utilizing Chemiluminescence on Nanosized Titanium Dioxide. <i>Analytical Chemistry</i> , 2002, 74, 120-124. | 3.2 | 332 |
| 105 | Application of the Biological Conjugate between Antibody and Colloid Au Nanoparticles as Analyte to Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 96-99. | 3.2 | 240 |
| 106 | Nanosized SrCO ₃ -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , 2002, 466, 69-78. | 2.6 | 91 |