# Jin Xie

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 13,582 citations | 31902 53 h-index | 39575 94 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 18595 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanoparticle-based theranostic agents. Advanced Drug Delivery Reviews, 2010, 62, 1064-1079. | 6.6 | 1,235 |
| 2 | High-efficiency oxygen reduction to hydrogen peroxide catalysed by oxidized carbon materials. Nature Catalysis, 2018, 1, 156-162. | 16.1 | 1,120 |
| 3 | Rethinking cancer nanotheranostics. Nature Reviews Materials, 2017, 2, . | 23.3 | 860 |
| 4 | Surface-Engineered Magnetic Nanoparticle Platforms for Cancer Imaging and Therapy. Accounts of Chemical Research, 2011, 44, 883-892. | 7.6 | 520 |
| 5 | PET/MRI Dual-Modality Tumor Imaging Using Arginine-Glycine-Aspartic (RGD)â€“Conjugated Radiolabeled Iron Oxide Nanoparticles. Journal of Nuclear Medicine, 2008, 49, 1371-1379. | 2.8 | 507 |
| 6 | Auâ€“Fe<sub>3</sub>O<sub>4</sub> Dumbbell Nanoparticles as Dualâ€Functional Probes. Angewandte Chemie - International Edition, 2008, 47, 173-176. | 7.2 | 490 |
| 7 | Synthesis and Stabilization of Monodisperse Fe Nanoparticles. Journal of the American Chemical Society, 2006, 128, 10676-10677. | 6.6 | 483 |
| 8 | PET/NIRF/MRI triple functional iron oxide nanoparticles. Biomaterials, 2010, 31, 3016-3022. | 5.7 | 456 |
| 9 | Effects of Nanoparticle Size on Cellular Uptake and Liver MRI with Polyvinylpyrrolidone-Coated Iron Oxide Nanoparticles. ACS Nano, 2010, 4, 7151-7160. | 7.3 | 417 |
| 10 | Ultrasmall c(RGDyK)-Coated Fe<sub>3</sub>O<sub>4</sub> Nanoparticles and Their Specific Targeting to Integrin Î±<sub>v</sub>Î²<sub>3</sub>-Rich Tumor Cells. Journal of the American Chemical Society, 2008, 130, 7542-7543. | 6.6 | 405 |
| 11 | Photostimulated near-infrared persistent luminescence as a new optical read-out from Cr3+-doped LiGa5O8. Scientific Reports, 2013, 3, 1554. | 1.6 | 388 |
| 12 | Nanoscintillator-Mediated X-ray Inducible Photodynamic Therapy for In Vivo Cancer Treatment. Nano Letters, 2015, 15, 2249-2256. | 4.5 | 312 |
| 13 | RGD-Modified Apoferritin Nanoparticles for Efficient Drug Delivery to Tumors. ACS Nano, 2013, 7, 4830-4837. | 7.3 | 308 |
| 14 | Peptides and Peptide Hormones for Molecular Imaging and Disease Diagnosis. Chemical Reviews, 2010, 110, 3087-3111. | 23.0 | 300 |
| 15 | Ferritin Nanocages To Encapsulate and Deliver Photosensitizers for Efficient Photodynamic Therapy against Cancer. ACS Nano, 2013, 7, 6988-6996. | 7.3 | 246 |
| 16 | Chimeric Ferritin Nanocages for Multiple Function Loading and Multimodal Imaging. Nano Letters, 2011, 11, 814-819. | 4.5 | 240 |
| 17 | Tumor Vasculature Targeted Photodynamic Therapy for Enhanced Delivery of Nanoparticles. ACS Nano, 2014, 8, 6004-6013. | 7.3 | 218 |
| 18 | HSA Coated Iron Oxide Nanoparticles as Drug Delivery Vehicles for Cancer Therapy. Molecular Pharmaceutics, 2011, 8, 1669-1676. | 2.3 | 195 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Linking Hydrophilic Macromolecules to Monodisperse Magnetite (Fe3O4) Nanoparticles via Trichloro-s-triazine. Chemistry of Materials, 2006, 18, 5401-5403. | 3.2 | 185 |
| 20 | Ultrasmall Nearâ€Infrared Nonâ€cadmium Quantum Dots for in vivo Tumor Imaging. Small, 2010, 6, 256-261. | 5.2 | 174 |
| 21 | X-Ray Induced Photodynamic Therapy: A Combination of Radiotherapy and Photodynamic Therapy. Theranostics, 2016, 6, 2295-2305. | 4.6 | 171 |
| 22 | Red Blood Cellâ€Facilitated Photodynamic Therapy for Cancer Treatment. Advanced Functional Materials, 2016, 26, 1757-1768. | 7.8 | 167 |
| 23 | Protein Nanocage Mediated Fibroblast-Activation Protein Targeted Photoimmunotherapy To Enhance Cytotoxic T Cell Infiltration and Tumor Control. Nano Letters, 2017, 17, 862-869. | 4.5 | 167 |
| 24 | Gdâ€Encapsulated Carbonaceous Dots with Efficient Renal Clearance for Magnetic Resonance Imaging. Advanced Materials, 2014, 26, 6761-6766. | 11.1 | 151 |
| 25 | One-pot synthesis of monodisperse iron oxide nanoparticles for potential biomedical applications. Pure and Applied Chemistry, 2006, 78, 1003-1014. | 0.9 | 150 |
| 26 | Surface impact on nanoparticle-based magnetic resonance imaging contrast agents. Theranostics, 2018, 8, 2521-2548. | 4.6 | 149 |
| 27 | Triblock copolymer coated iron oxide nanoparticle conjugate for tumor integrin targeting. Biomaterials, 2009, 30, 6912-6919. | 5.7 | 147 |
| 28 | Nanoparticleâ€Laden Macrophages for Tumorâ€Tropic Drug Delivery. Advanced Materials, 2018, 30, e1805557. | 11.1 | 143 |
| 29 | Wet/Sonoâ€Chemical Synthesis of Enzymatic Twoâ€Dimensional MnO<sub>2</sub> Nanosheets for Synergistic Catalysisâ€Enhanced Phototheranostics. Advanced Materials, 2019, 31, e1900401. | 11.1 | 139 |
| 30 | Gadoliniumâ€Encapsulated Graphene Carbon Nanotheranostics for Imagingâ€Guided Photodynamic Therapy. Advanced Materials, 2018, 30, e1802748. | 11.1 | 135 |
| 31 | HSA coated MnO nanoparticles with prominent MRI contrast for tumor imaging. Chemical Communications, 2010, 46, 6684. | 2.2 | 132 |
| 32 | LiGa<sub>5</sub>O<sub>8</sub>:Cr-based theranostic nanoparticles for imaging-guided X-ray induced photodynamic therapy of deep-seated tumors. Materials Horizons, 2017, 4, 1092-1101. | 6.4 | 128 |
| 33 | Breaking the Depth Dependence by Nanotechnologyâ€Enhanced Xâ€Rayâ€Excited Deep Cancer Theranostics. Advanced Materials, 2019, 31, e1806381. | 11.1 | 125 |
| 34 | Development of Manganese-Based Nanoparticles as Contrast Probes for Magnetic Resonance Imaging. Theranostics, 2012, 2, 45-54. | 4.6 | 123 |
| 35 | Human serum albumin coated iron oxide nanoparticles for efficient celllabeling. Chemical Communications, 2010, 46, 433-435. | 2.2 | 112 |
| 36 | Synthesis and characterization of PVP-coated large core iron oxide nanoparticles as an MRI contrast agent. Nanotechnology, 2008, 19, 165101. | 1.3 | 108 |

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|---|---|---|---|
| 37 | Hybrid Ferritin Nanoparticles as Activatable Probes for Tumor Imaging. Angewandte Chemie - International Edition, 2011, 50, 1569-1572. | 7.2 | 105 |
| 38 | Photostimulable Near-Infrared Persistent Luminescent Nanoprobes for Ultrasensitive and Longitudinal Deep-Tissue Bio-Imaging. Theranostics, 2014, 4, 1112-1122. | 4.6 | 104 |
| 39 | Manipulating the Power of an Additional Phase: A Flower-like Auâ^'Fe<sub>3</sub>O<sub>4</sub> Optical Nanosensor for Imaging Protease Expressions In vivo. ACS Nano, 2011, 5, 3043-3051. | 7.3 | 98 |
| 40 | Nanoparticles for improving cancer diagnosis. Materials Science and Engineering Reports, 2013, 74, 35-69. | 14.8 | 94 |
| 41 | Acidity/Reducibility Dual-Responsive Hollow Mesoporous Organosilica Nanoplatforms for Tumor-Specific Self-Assembly and Synergistic Therapy. ACS Nano, 2018, 12, 12269-12283. | 7.3 | 86 |
| 42 | Label-Free Luminescent Mesoporous Silica Nanoparticles for Imaging and Drug Delivery. Theranostics, 2013, 3, 650-657. | 4.6 | 85 |
| 43 | Nanoparticles to mediate Xâ€rayâ€induced photodynamic therapy and Cherenkov radiation photodynamic therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1541. | 3.3 | 79 |
| 44 | Magnetic Nanoparticle-Based Theranostics. Theranostics, 2012, 2, 122-124. | 4.6 | 78 |
| 45 | NaCl Nanoparticles as a Cancer Therapeutic. Advanced Materials, 2019, 31, e1904058. | 11.1 | 74 |
| 46 | Iron oxide nanoparticle encapsulated diatoms for magnetic delivery of small molecules to tumors. Nanoscale, 2014, 6, 2073. | 2.8 | 70 |
| 47 | Nanoparticles Encapsulating Nitrosylated Maytansine To Enhance Radiation Therapy. ACS Nano, 2020, 14, 1468-1481. | 7.3 | 69 |
| 48 | Monodisperse nanoparticles for catalysis and nanomedicine. Nanoscale, 2019, 11, 18946-18967. | 2.8 | 61 |
| 49 | Detection of DNA labeled with magnetic nanoparticles using MgO-based magnetic tunnel junction sensors. Journal of Applied Physics, 2008, 103, . | 1.1 | 60 |
| 50 | Fe<sub>5</sub>C<sub>2</sub> Nanoparticles with High MRI Contrast Enhancement for Tumor Imaging. Small, 2014, 10, 1245-1249. | 5.2 | 58 |
| 51 | Mesoporous Silica as Nanoreactors to Prepare Gdâ€Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties. Advanced Functional Materials, 2016, 26, 3973-3982. | 7.8 | 58 |
| 52 | Biocompatible and label-free separation of cancer cells from cell culture lines from white blood cells in ferrofluids. Lab on A Chip, 2017, 17, 2243-2255. | 3.1 | 55 |
| 53 | Photosensitizer-Encapsulated Ferritins Mediate Photodynamic Therapy against Cancer-Associated Fibroblasts and Improve Tumor Accumulation of Nanoparticles. Molecular Pharmaceutics, 2018, 15, 3595-3599. | 2.3 | 55 |
| 54 | Molecular Magnetic Resonance Imaging of Angiogenesis In Vivo using Polyvalent Cyclic RGD-Iron Oxide Microparticle Conjugates. Theranostics, 2015, 5, 515-529. | 4.6 | 54 |

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|---|---|---|---|
| 55 | Monodisperse Magnetite Nanoparticles Coupled with Nuclear Localization Signal Peptide for Cellâ€Nucleus Targeting. Chemistry - an Asian Journal, 2008, 3, 548-552. | 1.7 | 50 |
| 56 | Monitoring of the tumor response to nano-graphene oxide-mediated photothermal/photodynamic therapy by diffusion-weighted and BOLD MRI. Nanoscale, 2016, 8, 10152-10159. | 2.8 | 50 |
| 57 | Ferritins as nanoplatforms for imaging and drug delivery. Expert Opinion on Drug Delivery, 2014, 11, 1913-1922. | 2.4 | 49 |
| 58 | Diffusion-Weighted Magnetic Resonance Imaging for Therapy Response Monitoring and Early Treatment Prediction of Photothermal Therapy. ACS Applied Materials & Interfaces, 2016, 8, 5137-5147. | 4.0 | 44 |
| 59 | Tumor antigen-independent and cell size variation-inclusive enrichment of viable circulating tumor cells. Lab on A Chip, 2019, 19, 1860-1876. | 3.1 | 43 |
| 60 | Synthesis of Co/MFe2O4 (M=Fe, Mn) core/shell nanocomposite particles. Journal of Solid State Chemistry, 2008, 181, 1560-1564. | 1.4 | 42 |
| 61 | Polyaspartic acid coated manganese oxide nanoparticles for efficient liver MRI. Nanoscale, 2011, 3, 4943. | 2.8 | 38 |
| 62 | FAPâ€Targeted Photodynamic Therapy Mediated by Ferritin Nanoparticles Elicits an Immune Response against Cancer Cells and Cancer Associated Fibroblasts. Advanced Functional Materials, 2021, 31, 2007017. | 7.8 | 37 |
| 63 | Casein-Coated Fe<sub>5</sub>C<sub>2</sub> Nanoparticles with Superior r<sub>2</sub> Relaxivity for Liver-Specific Magnetic Resonance Imaging. Theranostics, 2015, 5, 1225-1232. | 4.6 | 33 |
| 64 | Folic acid conjugated ferritins as photosensitizer carriers for photodynamic therapy. Nanoscale, 2015, 7, 10330-10333. | 2.8 | 30 |
| 65 | Acridine Orange Encapsulated Mesoporous Manganese Dioxide Nanoparticles to Enhance Radiotherapy. Bioconjugate Chemistry, 2020, 31, 82-92. | 1.8 | 27 |
| 66 | Ferritin nanocages: great potential as clinically translatable drug delivery vehicles?. Nanomedicine, 2013, 8, 1555-1557. | 1.7 | 26 |
| 67 | Gd and Eu Co-Doped Nanoscale Metalâ€“Organic Framework as a T1â€“T2 Dual-Modal Contrast Agent for Magnetic Resonance Imaging. Tomography, 2016, 2, 179-187. | 0.8 | 25 |
| 68 | Nanoparticle Phototherapy in the Era of Cancer Immunotherapy. Trends in Chemistry, 2020, 2, 1082-1095. | 4.4 | 23 |
| 69 | Nanoconjugates to enhance PDT-mediated cancer immunotherapy by targeting the indoleamine-2,3-dioxygenase pathway. Journal of Nanobiotechnology, 2021, 19, 182. | 4.2 | 23 |
| 70 | Image-guided selection of Gd@C-dots as sensitizers to improve radiotherapy of non-small cell lung cancer. Journal of Nanobiotechnology, 2021, 19, 284. | 4.2 | 16 |
| 71 | Ultrathin gold nanowires to enhance radiation therapy. Journal of Nanobiotechnology, 2020, 18, 131. | 4.2 | 15 |
| 72 | Protein-Adsorbed Magnetic-Nanoparticle-Mediated Assay for Rapid Detection of Bacterial Antibiotic Resistance. Bioconjugate Chemistry, 2017, 28, 890-896. | 1.8 | 14 |

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|---|---|---|---|
| 73 | Multiplexed labeling of cellular proteins with split fluorescent protein tags. Communications Biology, 2021, 4, 257. | 2.0 | 13 |
| 74 | Light-Mediated Deep-Tissue Theranostics. Theranostics, 2016, 6, 2292-2294. | 4.6 | 12 |
| 75 | Ultrasmall Gd@Cdots as a radiosensitizing agent for non-small cell lung cancer. Nanoscale, 2021, 13, 9252-9263. | 2.8 | 11 |
| 76 | <p>Affibody-Modified Gd@C-Dots with Efficient Renal Clearance for Enhanced MRI of EGFR Expression in Non-Small-Cell Lung Cancer</p>. International Journal of Nanomedicine, 2020, Volume 15, 4691-4703. | 3.3 | 9 |
| 77 | Cell-typeâ€“specific, multicolor labeling of endogenous proteins with split fluorescent protein tags in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 9 |
| 78 | Polyaspartic Acid Coated Iron Oxide Nanoprobes for PET/MRI Imaging. Methods in Molecular Biology, 2013, 1025, 225-235. | 0.4 | 9 |
| 79 | LiF@SiO2 nanocapsules for controlled lithium release and osteoarthritis treatment. Nano Research, 2018, 11, 5751-5760. | 5.8 | 8 |
| 80 | A Novel PET Probe for Brown Adipose Tissue Imaging in Rodents. Molecular Imaging and Biology, 2020, 22, 675-684. | 1.3 | 8 |
| 81 | Barium tungstate nanoparticles to enhance radiation therapy against cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102230. | 1.7 | 7 |
| 82 | Gravity Drawing of Microâ€•and Nanofibers for Additive Manufacturing of Wellâ€Organized 3Dâ€Nanostructured Scaffolds. Small, 2020, 16, 1907422. | 5.2 | 7 |
| 83 | Gd-encapsulated carbonaceous dots for accurate characterization of tumor vessel permeability in magnetic resonance imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102074. | 1.7 | 6 |
| 84 | Gd Carbon Dots: Mesoporous Silica as Nanoreactors to Prepare Gd-Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties (Adv. Funct. Mater. 22/2016). Advanced Functional Materials, 2016, 26, 4036-4036. | 7.8 | 4 |
| 85 | Multi-parameter MRI to investigate vasculature modulation and photo-thermal ablation combination therapy against cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2179-2189. | 1.7 | 4 |
| 86 | Nanoscintillator-Based X-Ray-Induced Photodynamic Therapy. Methods in Molecular Biology, 2022, 2394, 811-822. | 0.4 | 4 |
| 87 | 7â€Dehydrocholesterol Encapsulated Polymeric Nanoparticles As a Radiationâ€Responsive Sensitizer for Enhancing Radiation Therapy. Small, 2022, , 2200710. | 5.2 | 4 |
| 88 | Radiodynamic therapy with CsI(na)@MgO nanoparticles and 5-aminolevulinic acid. Journal of Nanobiotechnology, 2022, 20, . | 4.2 | 3 |
| 89 | Molecular Imaging in Early Detection of Cancer. , 2012, , 951-978. | | 2 |
| 90 | Composite magnetic nanoparticles: Synthesis and cancer-related applications. Chinese Physics B, 2014, 23, 117504. | 0.7 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Back Cover: Sticky Nanoparticles: A Platform for siRNA Delivery by a Bis(zinc(II)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (c Angewandte Chemie - International Edition, 2012, 51, 558-558. | 7.2 | 1 |
| 92 | Chimeric ferritin nanocages-based imaging probes. , 2011, , . | | 0 |
| 93 | 3Dâ€Nanostructured Scaffolds: Gravity Drawing of Microâ€•and Nanofibers for Additive Manufacturing of Wellâ€Organized 3Dâ€Nanostructured Scaffolds (Small 11/2020). Small, 2020, 16, 2070056. | 5.2 | 0 |