

Ning Gu

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

17,461
citations

25034

57
h-index

14759

127
g-index

205
all docs

205
docs citations

205
times ranked

19720
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Intrinsic peroxidase-like activity of ferromagnetic nanoparticles. <i>Nature Nanotechnology</i> , 2007, 2, 577-583. | 31.5 | 5,080 |
| 2 | Preparation and characterization of magnetite nanoparticles coated by amino silane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 212, 219-226. | 4.7 | 767 |
| 3 | The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , 2016, 6, 1306-1323. | 10.0 | 718 |
| 4 | Dual Enzyme-like Activities of Iron Oxide Nanoparticles and Their Implication for Diminishing Cytotoxicity. <i>ACS Nano</i> , 2012, 6, 4001-4012. | 14.6 | 717 |
| 5 | Prussian Blue Nanoparticles as Multienzyme Mimetics and Reactive Oxygen Species Scavengers. <i>Journal of the American Chemical Society</i> , 2016, 138, 5860-5865. | 13.7 | 611 |
| 6 | Size dependence of specific power absorption of Fe ₃ O ₄ particles in AC magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 268, 33-39. | 2.3 | 448 |
| 7 | Superparamagnetic iron oxide nanoparticle-embedded encapsulated microbubbles as dual contrast agents of magnetic resonance and ultrasound imaging. <i>Biomaterials</i> , 2009, 30, 3882-3890. | 11.4 | 265 |
| 8 | Anti-leukemia activity of PVP-coated silver nanoparticles via generation of reactive oxygen species and release of silver ions. <i>Biomaterials</i> , 2013, 34, 7884-7894. | 11.4 | 255 |
| 9 | Inhibition of autophagy enhances the anticancer activity of silver nanoparticles. <i>Autophagy</i> , 2014, 10, 2006-2020. | 9.1 | 224 |
| 10 | Response of MAPK pathway to iron oxide nanoparticles in vitro treatment promotes osteogenic differentiation of hBMSCs. <i>Biomaterials</i> , 2016, 86, 11-20. | 11.4 | 212 |
| 11 | Micro/Nanoscale Thermometry for Cellular Thermal Sensing. <i>Small</i> , 2016, 12, 4590-4610. | 10.0 | 198 |
| 12 | Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018, 183, 151-170. | 11.4 | 198 |
| 13 | Enhanced Fluorescence of Gold Nanoclusters Composed of HAuCl ₄ and Histidine by Glutathione: Glutathione Detection and Selective Cancer Cell Imaging. <i>Small</i> , 2014, 10, 5170-5177. | 10.0 | 197 |
| 14 | Super-paramagnetic responsive nanofibrous scaffolds under static magnetic field enhance osteogenesis for bone repair in vivo. <i>Scientific Reports</i> , 2013, 3, 2655. | 3.3 | 186 |
| 15 | A Novel Magnetic Hydrogel with Aligned Magnetic Colloidal Assemblies Showing Controllable Enhancement of Magnetothermal Effect in the Presence of Alternating Magnetic Field. <i>Advanced Materials</i> , 2015, 27, 2507-2514. | 21.0 | 182 |
| 16 | Progress in Applications of Prussian Blue Nanoparticles in Biomedicine. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800347. | 7.6 | 180 |
| 17 | Shape-Dependent Radiosensitization Effect of Gold Nanostructures in Cancer Radiotherapy: Comparison of Gold Nanoparticles, Nanospikes, and Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13037-13048. | 8.0 | 175 |
| 18 | Ultrasmall Ferrite Nanoparticles Synthesized via Dynamic Simultaneous Thermal Decomposition for High-Performance and Multifunctional T ₁ Magnetic Resonance Imaging Contrast Agent. <i>ACS Nano</i> , 2017, 11, 3614-3631. | 14.6 | 173 |

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|----|--|------|-----------|
| 19 | Enhanced Tumor Synergistic Therapy by Injectable Magnetic Hydrogel Mediated Generation of Hyperthermia and Highly Toxic Reactive Oxygen Species. <i>ACS Nano</i> , 2019, 13, 14013-14023. | 14.6 | 161 |
| 20 | Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and <i>in Situ</i> Generation of Nitric Oxide in Early Ischemic Stroke. <i>ACS Nano</i> , 2020, 14, 2024-2035. | 14.6 | 156 |
| 21 | Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , 2020, 10, 462-483. | 10.0 | 154 |
| 22 | Silver nanoparticles: a novel radiation sensitizer for glioma?. <i>Nanoscale</i> , 2013, 5, 11829. | 5.6 | 138 |
| 23 | Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28480-28494. | 8.0 | 124 |
| 24 | Effective PEGylation of Iron Oxide Nanoparticles for High Performance <i>In Vivo</i> Cancer Imaging. <i>Advanced Functional Materials</i> , 2011, 21, 1498-1504. | 14.9 | 117 |
| 25 | A Hydrogen Peroxide-Responsive O_2 Nanogenerator for Ultrasound and Magnetic-Resonance Dual Modality Imaging. <i>Advanced Materials</i> , 2012, 24, 5205-5211. | 21.0 | 117 |
| 26 | Catalytic Mechanisms of Nanozymes and Their Applications in Biomedicine. <i>Bioconjugate Chemistry</i> , 2019, 30, 1273-1296. | 3.6 | 113 |
| 27 | Magnetic Nanoliposomes as <i>in Situ</i> Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. <i>ACS Nano</i> , 2017, 11, 1509-1519. | 14.6 | 112 |
| 28 | Determining intracellular temperature at single-cell level by a novel thermocouple method. <i>Cell Research</i> , 2011, 21, 1517-1519. | 12.0 | 110 |
| 29 | High-performance PEGylated Mn-Zn ferrite nanocrystals as a passive-targeted agent for magnetically induced cancer theranostics. <i>Biomaterials</i> , 2014, 35, 9126-9136. | 11.4 | 110 |
| 30 | Fluorescent Nanoprobes with Oriented Modified Antibodies to Improve Lateral Flow Immunoassay of Cardiac Troponin I. <i>Analytical Chemistry</i> , 2018, 90, 6502-6508. | 6.5 | 106 |
| 31 | Paramagnetic nanofibrous composite films enhance the osteogenic responses of pre-osteoblast cells. <i>Nanoscale</i> , 2010, 2, 2565. | 5.6 | 104 |
| 32 | Silver nanoparticles outperform gold nanoparticles in radiosensitizing U251 cells <i>in vitro</i> and in an intracranial mouse model of glioma. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5003-5014. | 6.7 | 99 |
| 33 | Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. <i>Biomaterials</i> , 2017, 140, 16-25. | 11.4 | 97 |
| 34 | Reactive oxygen species acts as executor in radiation enhancement and autophagy inducing by AgNPs. <i>Biomaterials</i> , 2016, 101, 1-9. | 11.4 | 94 |
| 35 | Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31526-31542. | 8.0 | 92 |
| 36 | A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. <i>Nanoscale</i> , 2018, 10, 20289-20295. | 5.6 | 91 |

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|----|--|------|-----------|
| 37 | Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10601-10606. | 8.0 | 84 |
| 38 | Phage-mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish. <i>Nature Materials</i> , 2015, 14, 1058-1064. | 27.5 | 81 |
| 39 | Enhanced bone regeneration and visual monitoring via superparamagnetic iron oxide nanoparticle scaffold in rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e2085-e2098. | 2.7 | 77 |
| 40 | Multi-modal Mn ²⁺ /Zn ferrite nanocrystals for magnetically-induced cancer targeted hyperthermia: a comparison of passive and active targeting effects. <i>Nanoscale</i> , 2016, 8, 16902-16915. | 5.6 | 76 |
| 41 | Magnetic targeting combined with active targeting of dual-ligand iron oxide nanoprobe to promote the penetration depth in tumors for effective magnetic resonance imaging and hyperthermia. <i>Acta Biomaterialia</i> , 2019, 96, 491-504. | 8.3 | 74 |
| 42 | Magnetic iron oxide nanoparticles accelerate osteogenic differentiation of mesenchymal stem cells via modulation of long noncoding RNA INZEB2. <i>Nano Research</i> , 2017, 10, 626-642. | 10.4 | 71 |
| 43 | Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , 2018, 8, 4870-4883. | 10.0 | 70 |
| 44 | Magnetic Cell-Scaffold Interface Constructed by Superparamagnetic IONP Enhanced Osteogenesis of Adipose-Derived Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44279-44289. | 8.0 | 67 |
| 45 | Cardioprotective activity of iron oxide nanoparticles. <i>Scientific Reports</i> , 2015, 5, 8579. | 3.3 | 66 |
| 46 | Magnetic field activated drug release system based on magnetic PLGA microspheres for chemo-thermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 712-720. | 5.0 | 65 |
| 47 | The Cellular Uptake and Cytotoxic Effect of Silver Nanoparticles on Chronic Myeloid Leukemia Cells. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 669-678. | 1.1 | 64 |
| 48 | Activation of autophagy by elevated reactive oxygen species rather than released silver ions promotes cytotoxicity of polyvinylpyrrolidone-coated silver nanoparticles in hematopoietic cells. <i>Nanoscale</i> , 2017, 9, 5489-5498. | 5.6 | 64 |
| 49 | Is the autophagy a friend or foe in the silver nanoparticles associated radiotherapy for glioma? <i>Biomaterials</i> , 2015, 62, 47-57. | 11.4 | 62 |
| 50 | Assembly-Induced Thermogenesis of Gold Nanoparticles in the Presence of Alternating Magnetic Field for Controllable Drug Release of Hydrogel. <i>Advanced Materials</i> , 2016, 28, 10801-10808. | 21.0 | 62 |
| 51 | Injectable magnetic supramolecular hydrogel with magnetocaloric liquid-conformal property prevents post-operative recurrence in a breast cancer model. <i>Acta Biomaterialia</i> , 2018, 74, 302-311. | 8.3 | 62 |
| 52 | Ferumoxylol of ultrahigh magnetization produced by hydrocooling and magnetically internal heating co-precipitation. <i>Nanoscale</i> , 2018, 10, 7369-7376. | 5.6 | 62 |
| 53 | Applications of Magnetic Microbubbles for Theranostics. <i>Theranostics</i> , 2012, 2, 103-112. | 10.0 | 61 |
| 54 | Promote potential applications of nanoparticles as respiratory drug carrier: insights from molecular dynamics simulations. <i>Nanoscale</i> , 2014, 6, 2759-2767. | 5.6 | 61 |

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|----|---|------|-----------|
| 55 | Graphene oxide-based Fe ₂ O ₃ hybrid enzyme mimetic with enhanced peroxidase and catalase-like activities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 747-755. | 4.7 | 60 |
| 56 | Active-target T ₁ -weighted MR Imaging of Tiny Hepatic Tumor <i>via</i> RGD Modified Ultra-small Fe ₃ O ₄ Nanoparticles. <i>Theranostics</i> , 2016, 6, 1780-1791. | 10.0 | 59 |
| 57 | An efficient synthesis of ferumoxytol induced by alternating-current magnetic field. <i>Materials Letters</i> , 2016, 170, 93-96. | 2.6 | 59 |
| 58 | Influence of morphology and surface exchange reaction on magnetic properties of monodisperse magnetite nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 408, 114-121. | 4.7 | 58 |
| 59 | Shape Evolution of “Multibranched” Mn-Zn Ferrite Nanostructures with High Performance: A Transformation of Nanocrystals into Nanoclusters. <i>Chemistry of Materials</i> , 2013, 25, 3702-3709. | 6.7 | 58 |
| 60 | Therapeutic Effect of Fe ₂ O ₃ Nanoparticles Combined with Magnetic Fluid Hyperthermia on Cultured Liver Cancer Cells and Xenograft Liver Cancers. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1185-1192. | 0.9 | 56 |
| 61 | Glucose and magnetic-responsive approach toward in situ nitric oxide bubbles controlled generation for hyperglycemia theranostics. <i>Journal of Controlled Release</i> , 2016, 228, 87-95. | 9.9 | 56 |
| 62 | Adaptive Materials Based on Iron Oxide Nanoparticles for Bone Regeneration. <i>ChemPhysChem</i> , 2018, 19, 1965-1979. | 2.1 | 54 |
| 63 | Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , 2019, 35, 4238-4245. | 3.5 | 54 |
| 64 | Injectable calcium phosphate scaffold with iron oxide nanoparticles to enhance osteogenesis via dental pulp stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 423-433. | 2.8 | 53 |
| 65 | Using PEGylated magnetic nanoparticles to describe the EPR effect in tumor for predicting therapeutic efficacy of micelle drugs. <i>Nanoscale</i> , 2018, 10, 1788-1797. | 5.6 | 53 |
| 66 | Enhanced Osteogenesis of ADSCs by the Synergistic Effect of Aligned Fibers Containing Collagen I. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29289-29297. | 8.0 | 52 |
| 67 | A Functional Iron Oxide Nanoparticles Modified with PLA-PEG-DG as Tumor-Targeted MRI Contrast Agent. <i>Pharmaceutical Research</i> , 2017, 34, 1683-1692. | 3.5 | 52 |
| 68 | Magnetic nanoparticles: recent developments in drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 697-706. | 2.0 | 52 |
| 69 | Antibody-Oriented Strategy and Mechanism for the Preparation of Fluorescent Nanoparticles for Fast and Sensitive Immunodetection. <i>Langmuir</i> , 2019, 35, 4860-4867. | 3.5 | 52 |
| 70 | Fibrous Aggregation of Magnetite Nanoparticles Induced by a Time-Variied Magnetic Field. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4767-4770. | 13.8 | 51 |
| 71 | Biomimetic Domain-Active Electrospun Scaffolds Facilitating Bone Regeneration Synergistically with Antibacterial Efficacy for Bone Defects. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3248-3259. | 8.0 | 50 |
| 72 | Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through WNT/β ² -catenin signaling. <i>Materials Science and Engineering C</i> , 2019, 104, 109955. | 7.3 | 50 |

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|----|--|------|-----------|
| 73 | Dynamic tracking of bulk nanobubbles from microbubbles shrinkage to collapse. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124430. | 4.7 | 50 |
| 74 | Injectable thermosensitive magnetic nanoemulsion hydrogel for multimodal-imaging-guided accurate thermoablative cancer therapy. <i>Nanoscale</i> , 2017, 9, 16175-16182. | 5.6 | 49 |
| 75 | Sliced Magnetic Polyacrylamide Hydrogel with Cell-Adhesive Microarray Interface: A Novel Multicellular Spheroid Culturing Platform. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15113-15119. | 8.0 | 48 |
| 76 | Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57382-57390. | 8.0 | 48 |
| 77 | Ultra-small particles of iron oxide as peroxidase for immunohistochemical detection. <i>Nanotechnology</i> , 2011, 22, 225703. | 2.6 | 47 |
| 78 | Nanoenzyme engineered neutrophil-derived exosomes attenuate joint injury in advanced rheumatoid arthritis via regulating inflammatory environment. <i>Bioactive Materials</i> , 2022, 18, 1-14. | 15.6 | 45 |
| 79 | Effect of Surface Topography and Bioactive Properties on Early Adhesion and Growth Behavior of Mouse Preosteoblast MC3T3-E1 Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17134-17143. | 8.0 | 44 |
| 80 | Shape affects the interactions of nanoparticles with pulmonary surfactant. <i>Science China Materials</i> , 2015, 58, 28-37. | 6.3 | 41 |
| 81 | A Multi-Gradient Targeting Drug Delivery System Based on RGD-Labelled Magnetic Microbubbles for Cancer Theranostics. <i>Advanced Functional Materials</i> , 2016, 26, 8313-8324. | 14.9 | 41 |
| 82 | Magnetic drug delivery systems. <i>Science China Materials</i> , 2017, 60, 471-486. | 6.3 | 41 |
| 83 | High-Performance Poly(lactic-co-glycolic acid)-Magnetic Microspheres Prepared by Rotating Membrane Emulsification for Transcatheter Arterial Embolization and Magnetic Ablation in VX ₂ Liver Tumors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43478-43489. | 8.0 | 41 |
| 84 | Prussian Blue Nanozymes Prevent Anthracycline-Induced Liver Injury by Attenuating Oxidative Stress and Regulating Inflammation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42382-42395. | 8.0 | 41 |
| 85 | Magnetic assembly-mediated enhancement of differentiation of mouse bone marrow cells cultured on magnetic colloidal assemblies. <i>Scientific Reports</i> , 2014, 4, 5125. | 3.3 | 38 |
| 86 | The preosteoblast response of electrospinning PLGA/PCL nanofibers: effects of biomimetic architecture and collagen I. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4157-4171. | 6.7 | 37 |
| 87 | Synthesis of Ultrasmall Fe ₃ O ₄ Nanoparticles as T ₁ -T ₂ Dual-Modal Magnetic Resonance Imaging Contrast Agents in Rabbit Hepatic Tumors. <i>ACS Applied Nano Materials</i> , 2020, 3, 3585-3595. | 5.0 | 36 |
| 88 | Adaptive iron-based magnetic nanomaterials of high performance for biomedical applications. <i>Nano Research</i> , 2022, 15, 1-17. | 10.4 | 36 |
| 89 | A Novel Approach to Making the Gas-Filled Liposome Real: Based on the Interaction of Lipid with Free Nanobubble within the Solution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26579-26584. | 8.0 | 35 |
| 90 | Moderate cooling coprecipitation for extremely small iron oxide as a pH dependent T ₁ -MRI contrast agent. <i>Nanoscale</i> , 2020, 12, 5521-5532. | 5.6 | 35 |

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|-----|---|------|-----------|
| 91 | Fabrication of Hydrogel with Cell Adhesive Micropatterns for Mimicking the Oriented Tumor-Associated Extracellular Matrix. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10963-10968. | 8.0 | 34 |
| 92 | Molecular dynamics simulations of the interactions of charge-neutral PAMAM dendrimers with pulmonary surfactant. <i>Soft Matter</i> , 2011, 7, 3882. | 2.7 | 33 |
| 93 | Fabrication of Magnetic Conjugation Clusters via Intermolecular Assembling for Ultrasensitive Surface Plasmon Resonance (SPR) Detection in a Wide Range of Concentrations. <i>Analytical Chemistry</i> , 2017, 89, 13472-13479. | 6.5 | 33 |
| 94 | Fe ₃ O ₄ @Pt nanozymes combining with CXCR4 antagonists to synergistically treat acute myeloid leukemia. <i>Nano Today</i> , 2021, 37, 101106. | 11.9 | 33 |
| 95 | Integration of a Superparamagnetic Scaffold and Magnetic Field To Enhance the Wound-Healing Phenotype of Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22913-22923. | 8.0 | 31 |
| 96 | High-Performance Worm-like Mn ²⁺ /Zn Ferrite Theranostic Nanoagents and the Application on Tumor Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29536-29548. | 8.0 | 30 |
| 97 | Cell Temperature Measurement for Biometabolism Monitoring. <i>ACS Sensors</i> , 2021, 6, 290-302. | 7.8 | 30 |
| 98 | Arterial Embolization Hyperthermia Using As ₂ O ₃ Nanoparticles in VX2 Carcinoma-Induced Liver Tumors. <i>PLoS ONE</i> , 2011, 6, e17926. | 2.5 | 29 |
| 99 | Computer Simulation of the Effects of Nanoparticles' Adsorption on the Properties of Supported Lipid Bilayer. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17960-17968. | 3.1 | 29 |
| 100 | Controlled assembly of magnetic nanoparticles on microbubbles for multimodal imaging. <i>Soft Matter</i> , 2015, 11, 5492-5500. | 2.7 | 29 |
| 101 | Synthesis of ultrastable and multifunctional gold nanoclusters with enhanced fluorescence and potential anticancer drug delivery application. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 6-15. | 9.4 | 29 |
| 102 | Iron oxide nanoparticles induce reversible endothelial-to-mesenchymal transition in vascular endothelial cells at acutely non-cytotoxic concentrations. <i>Particle and Fibre Toxicology</i> , 2019, 16, 30. | 6.2 | 29 |
| 103 | Three-dimensional cell-culture platform based on hydrogel with tunable microenvironmental properties to improve insulin-secreting function of MIN6 cells. <i>Biomaterials</i> , 2021, 270, 120687. | 11.4 | 29 |
| 104 | Improving sensitivity of magnetic resonance imaging by using a dual-targeted magnetic iron oxide nanoprobe. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 339-346. | 5.0 | 28 |
| 105 | Size-dependent electromagnetic properties and the related simulations of Fe ₃ O ₄ nanoparticles made by microwave-assisted thermal decomposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 530, 191-199. | 4.7 | 27 |
| 106 | Polymerase chain reaction combined with fluorescent lateral flow immunoassay based on magnetic purification for rapid detection of canine parvovirus 2. <i>BMC Veterinary Research</i> , 2019, 15, 30. | 1.9 | 27 |
| 107 | Novel magnetic silk fibroin scaffolds with delayed degradation for potential long-distance vascular repair. <i>Bioactive Materials</i> , 2022, 7, 126-143. | 15.6 | 27 |
| 108 | Indocyanine green assembled free oxygen-nanobubbles towards enhanced near-infrared induced photodynamic therapy. <i>Nano Research</i> , 2022, 15, 4285-4293. | 10.4 | 27 |

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|-----|---|------|-----------|
| 109 | Recent fabrications and applications of cardiac patch in myocardial infarction treatment. <i>View</i> , 2022, 3, 20200153. | 5.3 | 25 |
| 110 | In vitro biological effects of magnetic nanoparticles. <i>Science Bulletin</i> , 2012, 57, 3972-3978. | 1.7 | 24 |
| 111 | Magnet-activatable nanoliposomes as intracellular bubble microreactors to enhance drug delivery efficacy and burst cancer cells. <i>Nanoscale</i> , 2019, 11, 18854-18865. | 5.6 | 24 |
| 112 | Superparamagnetic anisotropic nano-assemblies with longer blood circulation in vivo: a highly efficient drug delivery carrier for leukemia therapy. <i>Nanoscale</i> , 2016, 8, 17085-17089. | 5.6 | 23 |
| 113 | Fe ₃ O ₄ @PSC nanoparticle clusters with enhanced magnetic properties prepared by alternating-current magnetic field assisted co-precipitation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 348-354. | 4.7 | 23 |
| 114 | High Quality Multicellular Tumor Spheroid Induction Platform Based on Anisotropic Magnetic Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10446-10452. | 8.0 | 23 |
| 115 | Sparks fly between ascorbic acid and iron-based nanozymes: A study on Prussian blue nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 379-384. | 5.0 | 23 |
| 116 | A glucose-activatable trimodal glucometer self-assembled from glucose oxidase and MnO ₂ nanosheets for diabetes monitoring. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5336-5344. | 5.8 | 22 |
| 117 | <p>Apoptosis-promoting effect of rituximab-conjugated magnetic nanoprobe on malignant lymphoma cells with CD20 overexpression</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 921-936. | 6.7 | 22 |
| 118 | Superparamagnetic iron oxide nanoparticles assembled magnetic nanobubbles and their application for neural stem cells labeling. <i>Journal of Materials Science and Technology</i> , 2021, 63, 124-132. | 10.7 | 22 |
| 119 | Exploring the "cold/hot" properties of traditional Chinese medicine by cell temperature measurement. <i>Pharmaceutical Biology</i> , 2020, 58, 208-218. | 2.9 | 21 |
| 120 | Structure-Relaxivity Mechanism of an Ultrasmall Ferrite Nanoparticle T ₁ MR Contrast Agent: The Impact of Dopants Controlled Crystalline Core and Surface Disordered Shell. <i>Nano Letters</i> , 2021, 21, 1115-1123. | 9.1 | 21 |
| 121 | Prussian Blue Nanoparticles Having Various Sizes and Crystallinities for Multienzyme Catalysis and Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 5176-5186. | 5.0 | 21 |
| 122 | High-performance SOD mimetic enzyme Au@Ce for arresting cell cycle and proliferation of acute myeloid leukemia. <i>Bioactive Materials</i> , 2022, 10, 117-130. | 15.6 | 21 |
| 123 | MiRNA-34a overexpression inhibits multiple myeloma cancer stem cell growth in mice by suppressing TGIF2. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5433-5443. | 0.0 | 21 |
| 124 | Colloidal silver nanoparticles improve anti-leukemic drug efficacy via amplification of oxidative stress. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 198-203. | 5.0 | 20 |
| 125 | Enzyme catalysis enhanced dark-field imaging as a novel immunohistochemical method. <i>Nanoscale</i> , 2016, 8, 8553-8558. | 5.6 | 19 |
| 126 | A biomimetic nanocomposite with enzyme-like activities and CXCR4 antagonism efficiently enhances the therapeutic efficacy of acute myeloid leukemia. <i>Bioactive Materials</i> , 2022, 18, 526-538. | 15.6 | 19 |

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|-----|---|------|-----------|
| 127 | Effective PEGylation of Fe ₃ O ₄ Nanomicelles for <i>In Vivo</i> MR Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4111-4118. | 0.9 | 18 |
| 128 | Growth enhancing effect of LBL-assembled magnetic nanoparticles on primary bone marrow cells. <i>Science China Materials</i> , 2016, 59, 901-910. | 6.3 | 18 |
| 129 | Preparation and <i>in vivo</i> safety evaluations of antileukemic homoharringtonine-loaded PEGylated liposomes. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 652-660. | 2.0 | 18 |
| 130 | Estimation the tumor temperature in magnetic nanoparticle hyperthermia by infrared thermography: Phantom and numerical studies. <i>Journal of Thermal Biology</i> , 2018, 76, 89-94. | 2.5 | 18 |
| 131 | Iron-Based Nanozymes in Disease Diagnosis and Treatment. <i>ChemBioChem</i> , 2020, 21, 2722-2732. | 2.6 | 18 |
| 132 | CXCR4 and CD44 dual-targeted Prussian blue nanosystem with daunorubicin loaded for acute myeloid leukemia therapy. <i>Chemical Engineering Journal</i> , 2021, 405, 126891. | 12.7 | 18 |
| 133 | Quick and sensitive SPR detection of prion disease-associated isoform (PrP ^{Sc}) based on its self-assembling behavior on bare gold film and specific interactions with aptamer-graphene oxide (AGO). <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 31-39. | 5.0 | 17 |
| 134 | Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. <i>Langmuir</i> , 2019, 35, 5364-5371. | 3.5 | 17 |
| 135 | Altering the response of intracellular reactive oxygen to magnetic nanoparticles using ultrasound and microbubbles. <i>Science China Materials</i> , 2015, 58, 467-480. | 6.3 | 16 |
| 136 | Wireless Thermometry for Real-Time Temperature Recording on Thousand-Cell Level. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 23-29. | 4.2 | 16 |
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