

# Ning Gu

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7203654/ning-gu-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

12,481  
citations

48  
h-index

109  
g-index

205  
ext. papers

14,888  
ext. citations

8.4  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
189	Intrinsic peroxidase-like activity of ferromagnetic nanoparticles. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 577-83	28.7	3616
188	Preparation and characterization of magnetite nanoparticles coated by amino silane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 212, 219-226	5.1	694
187	Dual enzyme-like activities of iron oxide nanoparticles and their implication for diminishing cytotoxicity. <i>ACS Nano</i> , <b>2012</b> , 6, 4001-12	16.7	542
186	The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , <b>2016</b> , 6, 1306-23	12.1	533
185	Size dependence of specific power absorption of Fe <sub>3</sub> O <sub>4</sub> particles in AC magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 268, 33-39	2.8	403
184	Prussian Blue Nanoparticles as Multienzyme Mimetics and Reactive Oxygen Species Scavengers. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5860-5	16.4	386
183	Superparamagnetic iron oxide nanoparticle-embedded encapsulated microbubbles as dual contrast agents of magnetic resonance and ultrasound imaging. <i>Biomaterials</i> , <b>2009</b> , 30, 3882-90	15.6	232
182	Anti-leukemia activity of PVP-coated silver nanoparticles via generation of reactive oxygen species and release of silver ions. <i>Biomaterials</i> , <b>2013</b> , 34, 7884-94	15.6	215
181	Inhibition of autophagy enhances the anticancer activity of silver nanoparticles. <i>Autophagy</i> , <b>2014</b> , 10, 2006-20	10.2	184
180	Response of MAPK pathway to iron oxide nanoparticles in vitro treatment promotes osteogenic differentiation of hBMSCs. <i>Biomaterials</i> , <b>2016</b> , 86, 11-20	15.6	161
179	Super-paramagnetic responsive nanofibrous scaffolds under static magnetic field enhance osteogenesis for bone repair in vivo. <i>Scientific Reports</i> , <b>2013</b> , 3, 2655	4.9	157
178	Micro/Nanoscale Thermometry for Cellular Thermal Sensing. <i>Small</i> , <b>2016</b> , 12, 4590-610	11	150
177	Enhanced fluorescence of gold nanoclusters composed of HAuCl <sub>4</sub> and histidine by glutathione: glutathione detection and selective cancer cell imaging. <i>Small</i> , <b>2014</b> , 10, 5170-7	11	145
176	Shape-Dependent Radiosensitization Effect of Gold Nanostructures in Cancer Radiotherapy: Comparison of Gold Nanoparticles, Nanospikes, and Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13037-13048	9.5	139
175	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> , <b>2015</b> , 27, 2507-14	24	135
174	Ultrasmall Ferrite Nanoparticles Synthesized via Dynamic Simultaneous Thermal Decomposition for High-Performance and Multifunctional T <sub>2</sub> Magnetic Resonance Imaging Contrast Agent. <i>ACS Nano</i> , <b>2017</b> , 11, 3614-3631	16.7	123
173	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , <b>2018</b> , 183, 151-170	15.6	117

172	Silver nanoparticles: a novel radiation sensitizer for glioma?. <i>Nanoscale</i> , <b>2013</b> , 5, 11829-36	7.7	112
171	Effective PEGylation of Iron Oxide Nanoparticles for High Performance In Vivo Cancer Imaging. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1498-1504	15.6	108
170	Paramagnetic nanofibrous composite films enhance the osteogenic responses of pre-osteoblast cells. <i>Nanoscale</i> , <b>2010</b> , 2, 2565-9	7.7	95
169	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28480-28494	9.5	94
168	A hydrogen peroxide-responsive O <sub>2</sub> nanogenerator for ultrasound and magnetic-resonance dual modality imaging. <i>Advanced Materials</i> , <b>2012</b> , 24, 5205-11	24	93
167	Progress in Applications of Prussian Blue Nanoparticles in Biomedicine. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800347	10.1	92
166	Magnetic Nanoliposomes as in Situ Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. <i>ACS Nano</i> , <b>2017</b> , 11, 1509-1519	16.7	89
165	Determining intracellular temperature at single-cell level by a novel thermocouple method. <i>Cell Research</i> , <b>2011</b> , 21, 1517-9	24.7	87
164	Enhanced Tumor Synergistic Therapy by Injectable Magnetic Hydrogel Mediated Generation of Hyperthermia and Highly Toxic Reactive Oxygen Species. <i>ACS Nano</i> , <b>2019</b> , 13, 14013-14023	16.7	85
163	High-performance PEGylated Mn-Zn ferrite nanocrystals as a passive-targeted agent for magnetically induced cancer theranostics. <i>Biomaterials</i> , <b>2014</b> , 35, 9126-36	15.6	85
162	Reactive oxygen species acts as executor in radiation enhancement and autophagy inducing by AgNPs. <i>Biomaterials</i> , <b>2016</b> , 101, 1-9	15.6	78
161	Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31526-31542	9.5	71
160	Phage-mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish. <i>Nature Materials</i> , <b>2015</b> , 14, 1058-64	27	69
159	Fluorescent Nanoprobes with Oriented Modified Antibodies to Improve Lateral Flow Immunoassay of Cardiac Troponin I. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6502-6508	7.8	69
158	Silver nanoparticles outperform gold nanoparticles in radiosensitizing U251 cells in vitro and in an intracranial mouse model of glioma. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 5003-5014	7.3	69
157	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and Generation of Nitric Oxide in Early Ischemic Stroke. <i>ACS Nano</i> , <b>2020</b> , 14, 2024-2035	16.7	68
156	A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. <i>Nanoscale</i> , <b>2018</b> , 10, 20289-20295	7.7	68
155	Catalytic Mechanisms of Nanozymes and Their Applications in Biomedicine. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 1273-1296	6.3	67

154	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , <b>2020</b> , 10, 462-483	12.1	67
153	Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. <i>Biomaterials</i> , <b>2017</b> , 140, 16-25	15.6	63
152	Multi-modal Mn-Zn ferrite nanocrystals for magnetically-induced cancer targeted hyperthermia: a comparison of passive and active targeting effects. <i>Nanoscale</i> , <b>2016</b> , 8, 16902-15	7.7	57
151	Magnetic iron oxide nanoparticles accelerate osteogenic differentiation of mesenchymal stem cells via modulation of long noncoding RNA INZEB2. <i>Nano Research</i> , <b>2017</b> , 10, 626-642	10	55
150	Magnetic field activated drug release system based on magnetic PLGA microspheres for chemo-thermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 712-20	6	55
149	Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10601-10606	9.5	55
148	Shape Evolution of Multibranched Mn Zn Ferrite Nanostructures with High Performance: A Transformation of Nanocrystals into Nanoclusters. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3702-3709	9.6	54
147	Is the autophagy a friend or foe in the silver nanoparticles associated radiotherapy for glioma?. <i>Biomaterials</i> , <b>2015</b> , 62, 47-57	15.6	53
146	Applications of magnetic microbubbles for theranostics. <i>Theranostics</i> , <b>2012</b> , 2, 103-12	12.1	53
145	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> , <b>2017</b> , 9, 5489-5498	7.7	52
144	Cardioprotective activity of iron oxide nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 8579	4.9	52
143	Promote potential applications of nanoparticles as respiratory drug carrier: insights from molecular dynamics simulations. <i>Nanoscale</i> , <b>2014</b> , 6, 2759-67	7.7	51
142	Glucose and magnetic-responsive approach toward in situ nitric oxide bubbles controlled generation for hyperglycemia theranostics. <i>Journal of Controlled Release</i> , <b>2016</b> , 228, 87-95	11.7	49
141	Influence of morphology and surface exchange reaction on magnetic properties of monodisperse magnetite nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 408, 114-121	5.1	48
140	Fibrous aggregation of magnetite nanoparticles induced by a time-varied magnetic field. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4767-70	16.4	48
139	Therapeutic effect of Fe <sub>2</sub> O <sub>3</sub> nanoparticles combined with magnetic fluid hyperthermia on cultured liver cancer cells and xenograft liver cancers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2005</b> , 5, 1185-92	1.3	48
138	Active-target T1-weighted MR Imaging of Tiny Hepatic Tumor via RGD Modified Ultra-small Fe <sub>3</sub> O <sub>4</sub> Nanoprobes. <i>Theranostics</i> , <b>2016</b> , 6, 1780-91	12.1	46
137	Enhanced Osteogenesis of ADSCs by the Synergistic Effect of Aligned Fibers Containing Collagen I. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29289-29297	9.5	45

136	An efficient synthesis of ferumoxytol induced by alternating-current magnetic field. <i>Materials Letters</i> , <b>2016</b> , 170, 93-96	3.3	45
135	Assembly-Induced Thermogenesis of Gold Nanoparticles in the Presence of Alternating Magnetic Field for Controllable Drug Release of Hydrogel. <i>Advanced Materials</i> , <b>2016</b> , 28, 10801-10808	24	45
134	Graphene oxide-based Fe <sub>2</sub> O <sub>3</sub> hybrid enzyme mimetic with enhanced peroxidase and catalase-like activities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 506, 747-755	5.1	45
133	Injectable magnetic supramolecular hydrogel with magnetocaloric liquid-conformal property prevents post-operative recurrence in a breast cancer model. <i>Acta Biomaterialia</i> , <b>2018</b> , 74, 302-311	10.8	43
132	Enhanced bone regeneration and visual monitoring via superparamagnetic iron oxide nanoparticle scaffold in rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e2085-e2098	4.4	42
131	Sliced Magnetic Polyacrylamide Hydrogel with Cell-Adhesive Microarray Interface: A Novel Multicellular Spheroid Culturing Platform. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15113-9	9.5	42
130	The cellular uptake and cytotoxic effect of silver nanoparticles on chronic myeloid leukemia cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 669-78	4	42
129	Ultra-small particles of iron oxide as peroxidase for immunohistochemical detection. <i>Nanotechnology</i> , <b>2011</b> , 22, 225703	3.4	42
128	A Functional Iron Oxide Nanoparticles Modified with PLA-PEG-DG as Tumor-Targeted MRI Contrast Agent. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1683-1692	4.5	41
127	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> , <b>2019</b> , 96, 491-504	10.8	41
126	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , <b>2018</b> , 8, 4870-4883	12.1	41
125	Magnetic nanoparticles: recent developments in drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 697-706	3.6	38
124	Injectable calcium phosphate scaffold with iron oxide nanoparticles to enhance osteogenesis via dental pulp stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 423-433	6.1	38
123	Effect of surface topography and bioactive properties on early adhesion and growth behavior of mouse preosteoblast MC3T3-E1 cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17134-43	9.5	38
122	Biomimetic Domain-Active Electrospun Scaffolds Facilitating Bone Regeneration Synergistically with Antibacterial Efficacy for Bone Defects. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3248-3259	9.5	38
121	Using PEGylated magnetic nanoparticles to describe the EPR effect in tumor for predicting therapeutic efficacy of micelle drugs. <i>Nanoscale</i> , <b>2018</b> , 10, 1788-1797	7.7	37
120	Adaptive Materials Based on Iron Oxide Nanoparticles for Bone Regeneration. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1965-1979	3.2	37
119	Magnetic Cell-Scaffold Interface Constructed by Superparamagnetic IONP Enhanced Osteogenesis of Adipose-Derived Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44279-44289	9.5	37

118	A Multi-Gradient Targeting Drug Delivery System Based on RGD-l-TRAIL-Labeled Magnetic Microbubbles for Cancer Theranostics. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8313-8324	15.6	36
117	Ferumoxytol of ultrahigh magnetization produced by hydrocooling and magnetically internal heating co-precipitation. <i>Nanoscale</i> , <b>2018</b> , 10, 7369-7376	7.7	35
116	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , <b>2019</b> , 35, 4238-4245	7.1	33
115	Injectable thermosensitive magnetic nanoemulsion hydrogel for multimodal-imaging-guided accurate thermoablative cancer therapy. <i>Nanoscale</i> , <b>2017</b> , 9, 16175-16182	7.7	33
114	Magnetic drug delivery systems. <i>Science China Materials</i> , <b>2017</b> , 60, 471-486	7.1	31
113	Molecular dynamics simulations of the interactions of charge-neutral PAMAM dendrimers with pulmonary surfactant. <i>Soft Matter</i> , <b>2011</b> , 7, 3882	3.6	30
112	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> , <b>2017</b> , 89, 13472-13479	7.8	29
111	High-Performance Poly(lactic-co-glycolic acid)-Magnetic Microspheres Prepared by Rotating Membrane Emulsification for Transcatheter Arterial Embolization and Magnetic Ablation in VX Liver Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43478-43489	9.5	29
110	Magnetic assembly-mediated enhancement of differentiation of mouse bone marrow cells cultured on magnetic colloidal assemblies. <i>Scientific Reports</i> , <b>2014</b> , 4, 5125	4.9	28
109	Fabrication of hydrogel with cell adhesive micropatterns for mimicking the oriented tumor-associated extracellular matrix. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10963-8	9.5	27
108	Synthesis of ultrastable and multifunctional gold nanoclusters with enhanced fluorescence and potential anticancer drug delivery application. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 455, 6-15	9.3	27
107	Shape affects the interactions of nanoparticles with pulmonary surfactant. <i>Science China Materials</i> , <b>2015</b> , 58, 28-37	7.1	27
106	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 &amp; Interfaces</i> , <b>2015</b> , 7, 26579-84	9.5	26
105	Computer Simulation of the Effects of Nanoparticles' Adsorption on the Properties of Supported Lipid Bilayer. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 17960-17968	3.8	26
104	The preosteoblast response of electrospinning PLGA/PCL nanofibers: effects of biomimetic architecture and collagen I. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 4157-71	7.3	26
103	Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through WNT/ $\beta$ -catenin signaling. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109955	8.3	24
102	Size-dependent electromagnetic properties and the related simulations of Fe <sub>3</sub> O <sub>4</sub> nanoparticles made by microwave-assisted thermal decomposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 530, 191-199	5.1	24
101	Antibody-Oriented Strategy and Mechanism for the Preparation of Fluorescent Nanoprobes for Fast and Sensitive Immunodetection. <i>Langmuir</i> , <b>2019</b> , 35, 4860-4867	4	23

100	Moderate cooling coprecipitation for extremely small iron oxide as a pH dependent T-MRI contrast agent. <i>Nanoscale</i> , <b>2020</b> , 12, 5521-5532	7.7	22
99	Controlled assembly of magnetic nanoparticles on microbubbles for multimodal imaging. <i>Soft Matter</i> , <b>2015</b> , 11, 5492-500	3.6	22
98	Arterial embolization hyperthermia using As <sub>2</sub> O <sub>3</sub> nanoparticles in VX2 carcinoma-induced liver tumors. <i>PLoS ONE</i> , <b>2011</b> , 6, e17926	3.7	22
97	High Quality Multicellular Tumor Spheroid Induction Platform Based on Anisotropic Magnetic Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10446-10452	9.5	20
96	Dynamic tracking of bulk nanobubbles from microbubbles shrinkage to collapse. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 589, 124430	5.1	20
95	MiRNA-34a overexpression inhibits multiple myeloma cancer stem cell growth in mice by suppressing TGIF2. <i>American Journal of Translational Research (discontinued)</i> , <b>2016</b> , 8, 5433-5443	3	20
94	Synthesis of Ultrasmall Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as T1/T2 Dual-Modal Magnetic Resonance Imaging Contrast Agents in Rabbit Hepatic Tumors. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3585-3595	5.6	19
93	Integration of a Superparamagnetic Scaffold and Magnetic Field To Enhance the Wound-Healing Phenotype of Fibroblasts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22913-22923	9.5	19
92	A glucose-activatable trimodal glucometer self-assembled from glucose oxidase and MnO nanosheets for diabetes monitoring. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5336-5344	7.3	18
91	Apoptosis-promoting effect of rituximab-conjugated magnetic nanoprobe on malignant lymphoma cells with CD20 overexpression. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 921-936	7.3	18
90	Superparamagnetic anisotropic nano-assemblies with longer blood circulation in vivo: a highly efficient drug delivery carrier for leukemia therapy. <i>Nanoscale</i> , <b>2016</b> , 8, 17085-17089	7.7	18
89	Iron oxide nanoparticles induce reversible endothelial-to-mesenchymal transition in vascular endothelial cells at acutely non-cytotoxic concentrations. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 30	8.4	18
88	High-Performance Worm-like Mn-Zn Ferrite Theranostic Nanoagents and the Application on Tumor Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29536-29548	9.5	18
87	Fe <sub>3</sub> O <sub>4</sub> @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> , <b>2017</b> , 520, 348-354	5.1	17
86	Preparation and in vivo safety evaluations of antileukemic homoharringtonine-loaded PEGylated liposomes. <i>Drug Development and Industrial Pharmacy</i> , <b>2017</b> , 43, 652-660	3.6	17
85	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> , <b>2019</b> , 15, 30	2.7	17
84	Effective PEGylation of Fe <sub>3</sub> O <sub>4</sub> Nanomicelles for In Vivo MR Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 4111-8	1.3	17
83	In vitro biological effects of magnetic nanoparticles. <i>Science Bulletin</i> , <b>2012</b> , 57, 3972-3978		17

82	Quick and sensitive SPR detection of prion disease-associated isoform (PrP) 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> , <b>2017</b> , 157, 31-39	6	16
81	Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57382-57390	9.5	16
80	Improving sensitivity of magnetic resonance imaging by using a dual-targeted magnetic iron oxide nanoprobe. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 161, 339-346	6	16
79	Sparks fly between ascorbic acid and iron-based nanozymes: A study on Prussian blue nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 379-384	6	15
78	Colloidal silver nanoparticles improve anti-leukemic drug efficacy via amplification of oxidative stress. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 126, 198-203	6	15
77	Altering the response of intracellular reactive oxygen to magnetic nanoparticles using ultrasound and microbubbles. <i>Science China Materials</i> , <b>2015</b> , 58, 467-480	7.1	14
76	Growth enhancing effect of LBL-assembled magnetic nanoparticles on primary bone marrow cells. <i>Science China Materials</i> , <b>2016</b> , 59, 901-910	7.1	14
75	Enzyme catalysis enhanced dark-field imaging as a novel immunohistochemical method. <i>Nanoscale</i> , <b>2016</b> , 8, 8553-8	7.7	14
74	Magnet-activatable nanoliposomes as intracellular bubble microreactors to enhance drug delivery efficacy and burst cancer cells. <i>Nanoscale</i> , <b>2019</b> , 11, 18854-18865	7.7	14
73	Wireless Thermometry for Real-Time Temperature Recording on Thousand-Cell Level. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 23-29	5	13
72	Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. <i>Langmuir</i> , <b>2019</b> , 35, 5364-5371	4	12
71	Estimation the tumor temperature in magnetic nanoparticle hyperthermia by infrared thermography: Phantom and numerical studies. <i>Journal of Thermal Biology</i> , <b>2018</b> , 76, 89-94	2.9	12
70	Superparamagnetic iron oxide nanoparticles assembled magnetic nanobubbles and their application for neural stem cells labeling. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 63, 124-132	9.1	12
69	Rituximab-Au nanoprobe for simultaneous dark-field imaging and DAB staining of CD20 over-expressed on Raji cells. <i>Analyst, The</i> , <b>2014</b> , 139, 5660-3	5	11
68	A high precision apparatus for intracellular thermal response at single-cell level. <i>Nanotechnology</i> , <b>2015</b> , 26, 355501	3.4	11
67	Three-dimensional cell-culture platform based on hydrogel with tunable microenvironmental properties to improve insulin-secreting function of MIN6 cells. <i>Biomaterials</i> , <b>2021</b> , 270, 120687	15.6	11
66	Lateral flow fluorescent immunoassay based on isothermal amplification for rapid quantitative detection of Salmonella spp. <i>Analyst, The</i> , <b>2020</b> , 145, 2367-2377	5	10
65	Magnetically enhanced dielectrophoretic assembly of horseradish peroxidase molecules: chaining and molecular monolayers. <i>ChemPhysChem</i> , <b>2008</b> , 9, 1847-50	3.2	10



64	Orientation-Dependent Thermogenesis of Assembled Magnetic Nanoparticles in the Presence of an Alternating Magnetic Field. <i>ChemPhysChem</i> , <b>2016</b> , 17, 3377-3384	3.2	10
63	Entry-Prohibited Effect of kHz Pulsed Magnetic Field Upon Interaction Between SPIO Nanoparticles and Mesenchymal Stem Cells. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 1152-1158	5.1	10
62	Cell Temperature Measurement for Biometabolism Monitoring. <i>ACS Sensors</i> , <b>2021</b> , 6, 290-302	9.2	10
61	Missing-in-metastasis protein downregulates CXCR4 by promoting ubiquitylation and interaction with small Rab GTPases. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 1475-1485	5.3	9
60	Exploring the 'cold/hot' properties of traditional Chinese medicine by cell temperature measurement. <i>Pharmaceutical Biology</i> , <b>2020</b> , 58, 208-218	3.8	9
59	Magnetic navigation helps PLGA drug loaded magnetic microspheres achieve precise chemoembolization and hyperthermia. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 588, 124364	5.1	9
58	Influence of Reaction Solvent on Crystallinity and Magnetic Properties of MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Synthesized by Thermal Decomposition. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-8	3.2	9
57	Magnetic internal heating-induced high performance Prussian blue nanoparticle preparation and excellent catalytic activity. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17169-17173	4.3	9
56	Gold Nanoparticle Probe-Assisted Antigen-Counting Chip Using SEM. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6769-6776	9.5	8
55	Precise Study on Size-Dependent Properties of Magnetic Iron Oxide Nanoparticles for In Vivo Magnetic Resonance Imaging. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-9	3.2	8
54	Fe <sub>3</sub> O <sub>4</sub> @Pt nanozymes combining with CXCR4 antagonists to synergistically treat acute myeloid leukemia. <i>Nano Today</i> , <b>2021</b> , 37, 101106	17.9	8
53	Iron-Based Nanozymes in Disease Diagnosis and Treatment. <i>ChemBioChem</i> , <b>2020</b> , 21, 2722-2732	3.8	8
52	CXCR4 and CD44 dual-targeted Prussian blue nanosystem with daunorubicin loaded for acute myeloid leukemia therapy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126891	14.7	8
51	Structure-Relaxivity Mechanism of an Ultrasmall Ferrite Nanoparticle T MR Contrast Agent: The Impact of Dopants Controlled Crystalline Core and Surface Disordered Shell. <i>Nano Letters</i> , <b>2021</b> , 21, 1115-1123	11.5	8
50	Temperature-regulated self-assembly of lipids at free bubbles interface: A green and simple method to prepare micro/nano bubbles. <i>Nano Research</i> , <b>2020</b> , 13, 999-1007	10	7
49	Time-varied magnetic-field induced monolayer formation and re-aggregation of Au nanoparticles during solvent evaporation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1156-9	1.3	6
48	Homoharringtonine delivered by high proportion PEG of long- circulating liposomes inhibits RPMI8226 multiple myeloma cells in vitro and in vivo. <i>American Journal of Translational Research (discontinued)</i> , <b>2016</b> , 8, 1355-68	3	6
47	Adaptive iron-based magnetic nanomaterials of high performance for biomedical applications. <i>Nano Research</i> , <b>2022</b> , 15, 1	10	6

46	Real-time Temperature Measurements of HMEC-1 Cells during Inflammation Production and Repair detected by Wireless Thermometry. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> ,	5	6
45	Novel magnetic silk fibroin scaffolds with delayed degradation for potential long-distance vascular repair. <i>Bioactive Materials</i> , <b>2022</b> , 7, 126-143	16.7	6
44	Magnetic Resonance Imaging: Time-Dependent T1/T2 Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe <sub>3</sub> O <sub>4</sub> Nanoprobes (Adv. Funct. Mater. 32/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870221	15.6	5
43	Magnetically mediated vortexlike assembly of gold nanoshells. <i>Langmuir</i> , <b>2012</b> , 28, 6520-6	4	5
42	Indocyanine Green Assembled Nanobubbles with Enhanced Fluorescence and Photostability. <i>Langmuir</i> , <b>2020</b> , 36, 12983-12989	4	5
41	Coronal relay reactor Fe <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> for accelerating ROS axial conversion through enhanced Enzyme-like effect and relay effect. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132303	14.7	5
40	An Easy-to-Fabricate Hydrogel Platform with Tunable Stiffness and Cell Anchorage: Validation of Its Feasibility in Modulating Sonic Hedgehog Signaling Pathway Physically. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 1900759	3.9	4
39	In situ microbubble-assisted, ultrasound-controlled release of superparamagnetic iron oxide nanoparticles from gastro-retentive tablets. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 586, 119615	6.5	4
38	Comparison of cellular responses across multiple passage numbers in Ba/F3-BCR-ABL cells induced by silver nanoparticles. <i>Science China Life Sciences</i> , <b>2012</b> , 55, 898-905	8.5	4
37	A Multi-Channel System for Temperature Sensing of Neural Stem Cells in Adherent Culture. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3270-3275	7.8	4
36	Magnetic sensor based on image processing for dynamically tracking magnetic moment of single magnetic mesenchymal stem cell. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 169, 112593	11.8	4
35	Prussian Blue Nanoparticles Having Various Sizes and Crystallinities for Multienzyme Catalysis and Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5176-5186	5.6	4
34	Prussian Blue Nanozymes Prevent Anthracycline-Induced Liver Injury by Attenuating Oxidative Stress and Regulating Inflammation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42382-42395	9.5	4
33	A biomimetic nanocomposite with enzyme-like activities and CXCR4 antagonism efficiently enhances the therapeutic efficacy of acute myeloid leukemia. <i>Bioactive Materials</i> , <b>2022</b> , 18, 526-538	16.7	4
32	Hierarchical Fabrication of Plasmonic Superlattice Membrane by Aspect-Ratio Controllable Nanobricks for Label-Free Protein Detection. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 307	5	3
31	Multiscale Patterned Plasmonic Arrays for Highly Sensitive and Uniform SERS Detection. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000248	4.6	3
30	Sinapultide-loaded lipid microbubbles and the stabilization effect of sinapultide on the shells of lipid microbubbles. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 1335-1341	7.3	3
29	Measurement of In Vitro Single Cell Temperature by Novel Thermocouple Nanoprobe in Acute Lung Injury Models. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 54-60	4	3

28	A Contrast Examination of Proinflammatory Effects on Kidney Function for EFeO NP and Gadolinium Dimeglumine. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 2271-2282	7.3	3
27	Dual anisotropy comprising 3D printed structures and magnetic nanoparticle assemblies: towards the promotion of mesenchymal stem cell osteogenic differentiation. <i>NPG Asia Materials</i> , <b>2021</b> , 13,	10.3	3
26	Missing-in-metastasis protein promotes internalization of magnetic nanoparticles via association with clathrin light chain and Rab7. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 502-510	4	3
25	Ca ions chelation, collagen I incorporation and 3D bionic PLGA/PCL electrospun architecture to enhance osteogenic differentiation. <i>Materials and Design</i> , <b>2021</b> , 198, 109300	8.1	3
24	Development of an electrospun polycaprolactone/silk scaffold for potential vascular tissue engineering applications. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2021</b> , 36, 59-76	2	3
23	Multicellular Spheroids Formation on Hydrogel Enhances Osteogenic/Odontogenic Differentiation of Dental Pulp Stem Cells Under Magnetic Nanoparticles Induction. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 5101-5115	7.3	3
22	High-performance SOD mimetic enzyme Au@Ce for arresting cell cycle and proliferation of acute myeloid leukemia.. <i>Bioactive Materials</i> , <b>2022</b> , 10, 117-130	16.7	3
21	Recent fabrications and applications of cardiac patch in myocardial infarction treatment. <i>View</i> , 202001537.8	7.8	3
20	Nanoenzyme engineered neutrophil-derived exosomes attenuate joint injury in advanced rheumatoid arthritis via regulating inflammatory environment.. <i>Bioactive Materials</i> , <b>2022</b> , 18, 1-14	16.7	3
19	Indocyanine green assembled free oxygen-nanobubbles towards enhanced near-infrared induced photodynamic therapy.. <i>Nano Research</i> , <b>2022</b> , 1-9	10	2
18	Continuous synthesis of extremely small-sized iron oxide nanoparticles used for T1-weighted magnetic resonance imaging via a fluidic reactor. <i>Science China Materials</i> , 1	7.1	2
17	Artificial Intelligence-Aided Multiple Tumor Detection Method Based on Immunohistochemistry-Enhanced Dark-Field Imaging.. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	1
16	A Novel Method to Construct Dual-targeted Magnetic Nanoprobes by Modular Assembling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 605, 125339	5.1	1
15	Differential interactions of missing in metastasis and insulin receptor tyrosine kinase substrate with RAB proteins in the endocytosis of CXCR4. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 6494-6505	5.4	1
14	Optical Imaging and High-Accuracy Quantification of Intracellular Iron Contents. <i>Small</i> , <b>2021</b> , 17, e2005474	7.4	1
13	Joint Landmark and Structure Learning for Automatic Evaluation of Developmental Dysplasia of the Hip. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , PP,	7.2	1
12	Tri-primer-enhanced strand exchange amplification combined with rapid lateral flow fluorescence immunoassay to detect SARS-CoV-2. <i>Analyst, The</i> , <b>2021</b> , 146, 6650-6664	5	1
11	Xenon Nanobubbles for the Image-Guided Preemptive Treatment of Acute Ischemic Stroke via Neuroprotection and Microcirculatory Restoration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43880-43891	9.5	1

10	Ultrasmall Prussian blue nanoparticles attenuate UVA-induced cellular senescence in human dermal fibroblasts inhibiting the ERK/AP-1 pathway. <i>Nanoscale</i> , <b>2021</b> , 13, 16104-16112	7.7	1
9	Osteogenesis of Iron Oxide Nanoparticles-Labeled Human Precartilaginous Stem Cells in Interpenetrating Network Printable Hydrogel.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 872149	5.8	1
8	Extracellular magnetic labeling of biomimetic hydrogel-induced human mesenchymal stem cell spheroids with ferumoxytol for MRI tracking.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 418-428	16.7	1
7	A new approach of electrochemical etching fabrication based on drop-off-delay control. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 074902	1.7	0
6	Specific, Non-Invasive, and Magnetically Directed Targeting of Magnetic Erythrocytes in Blood Vessels of Mice. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 2276-2285	5	0
5	Superparamagnetic core-shell electrospun scaffolds with sustained release of IONPs facilitating and bone regeneration. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8980-8993	7.3	0
4	The coprecipitation formation study of iron oxide nanoparticles with the assist of a gas/liquid mixed phase fluidic reactor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 647, 129107	5.1	0
3	Long-term fate tracking and quantitative analyzing of nanoparticles in stem cells with bright-field microscopy. <i>Nano Today</i> , <b>2022</b> , 44, 101506	17.9	0
2	Triplexed Tracking Labile Sulfur-Containing Species on a Single-Molecule "Nezha" Sensor. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2672-2679	7.8	
1	Nano-sensing and nano-therapy targeting central players in iron homeostasis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , 13, e1667	9.2	