

Ning Gu

List of Publications by Year in descending order

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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	Extracellular magnetic labeling of biomimetic hydrogel-induced human mesenchymal stem cell spheroids with ferumoxytol for MRI tracking. <i>Bioactive Materials</i> , 2023, 19, 418-428.	15.6	8
2	Joint Landmark and Structure Learning for Automatic Evaluation of Developmental Dysplasia of the Hip. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 345-358.	6.3	7
3	Theoretical Study of the Effects of Nanoparticles on the Acoustic Performance of Microbubbles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 54-61.	3.0	2
4	Adaptive iron-based magnetic nanomaterials of high performance for biomedical applications. <i>Nano Research</i> , 2022, 15, 1-17.	10.4	36
5	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
6	Recent fabrications and applications of cardiac patch in myocardial infarction treatment. <i>View</i> , 2022, 3, 20200153.	5.3	25
7	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
8	Coronal relay reactor Fe ₃ O ₄ @CeO ₂ for accelerating ROS axial conversion through enhanced Enzyme-like effect and relay effect. <i>Chemical Engineering Journal</i> , 2022, 429, 132303.	12.7	14
9	Indocyanine green assembled free oxygen-nanobubbles towards enhanced near-infrared induced photodynamic therapy. <i>Nano Research</i> , 2022, 15, 4285-4293.	10.4	27
10	Recent progress in bioactive gas delivery for cancer immunotherapy. <i>Progress in Biomedical Engineering</i> , 2022, 4, 022001.	4.9	1
11	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> , 2022, 65, 1646-1654.	6.3	8
12	Evaluation of Interactions between SARS-CoV-2 RBD and Full-Length ACE2 with Coarse-Grained Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 936-944.	5.4	9
13	Artificial Intelligence-Aided Multiple Tumor Detection Method Based on Immunohistochemistry-Enhanced Dark-Field Imaging. <i>Analytical Chemistry</i> , 2022, 94, 1037-1045.	6.5	4
14	Plasmonic Superlattice Membranes Based on Bimetallic Nano-Sea Urchins as High-Performance Label-Free Surface-Enhanced Raman Spectroscopy Platforms. <i>ACS Sensors</i> , 2022, 7, 622-631.	7.8	12
15	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
16	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
17	Hemodynamic Mimic Shear Stress for Platelet Membrane Nanobubbles Preparation and Integrin β_3 Conformation Regulation. <i>Nano Letters</i> , 2022, 22, 271-279.	9.1	10
18	Revealing the crystal phases of primary particles formed during the coprecipitation of iron oxides. <i>Chemical Communications</i> , 2022, 58, 5749-5752.	4.1	8

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19	Osteogenesis of Iron Oxide Nanoparticles-Labeled Human Precartilaginous Stem Cells in Interpenetrating Network Printable Hydrogel. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 872149.	4.1	4
20	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> , 2022, 647, 129107.	4.7	8
21	Long-term fate tracking and quantitative analyzing of nanoparticles in stem cells with bright-field microscopy. <i>Nano Today</i> , 2022, 44, 101506.	11.9	3
22	Homochiral Multiferroic Cyanido-Bridged Dimetallic Complexes Assembled by C [~] F [~] ... [~] ...K Interactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
23	Minimally-invasive and non-invasive flexible devices for robust characterizations of deep tissues. <i>Scientia Sinica Chimica</i> , 2022, , .	0.4	0
24	A force field for molecular dynamics simulations of iron oxide system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 283, 115803.	3.5	0
25	A non-invasive and high precision sensor for in-situ temperature monitoring of cells. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 095001.	2.6	1
26	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
27	Ca ions chelation, collagen I incorporation and 3D bionic PLGA/PCL electrospun architecture to enhance osteogenic differentiation. <i>Materials and Design</i> , 2021, 198, 109300.	7.0	15
28	Cell Temperature Measurement for Biometabolism Monitoring. <i>ACS Sensors</i> , 2021, 6, 290-302.	7.8	30
29	Optical Imaging and High Accuracy Quantification of Intracellular Iron Contents. <i>Small</i> , 2021, 17, e2005474.	10.0	5
30	Development of an electrospun polycaprolactone/silk scaffold for potential vascular tissue engineering applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2021, 36, 59-76.	2.1	13
31	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
32	Nano-sensing and nano-therapy targeting central players in iron homeostasis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1667.	6.1	0
33	Superparamagnetic core-shell electrospun scaffolds with sustained release of IONPs facilitating <i>in vitro</i> and <i>in vivo</i> bone regeneration. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8980-8993.	5.8	8
34	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
35	Tri-primer-enhanced strand exchange amplification combined with rapid lateral flow fluorescence immunoassay to detect SARS-CoV-2. <i>Analyst</i> , 2021, 146, 6650-6664.	3.5	4
36	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

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37	A Contrast Examination of Proinflammatory Effects on Kidney Function for $\hat{1}^3$ -Fe ₂ O ₃ NP and Gadolinium Dimethylglumine. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2271-2282.	6.7	4
38	Dual anisotropy comprising 3D printed structures and magnetic nanoparticle assemblies: towards the promotion of mesenchymal stem cell osteogenic differentiation. <i>NPG Asia Materials</i> , 2021, 13, .	7.9	9
39	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
40	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
41	Multicellular Spheroids Formation on Hydrogel Enhances Osteogenic/Odontogenic Differentiation of Dental Pulp Stem Cells Under Magnetic Nanoparticles Induction. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5101-5115.	6.7	8
42	Xenon Nanobubbles for the Image-Guided Preemptive Treatment of Acute Ischemic Stroke via Neuroprotection and Microcirculatory Restoration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43880-43891.	8.0	14
43	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
44	Ultrasmall Prussian blue nanoparticles attenuate UVA-induced cellular senescence in human dermal fibroblasts <i>via</i> inhibiting the ERK/AP-1 pathway. <i>Nanoscale</i> , 2021, 13, 16104-16112.	5.6	8
45	Gauging surface charge distribution of live cell membrane by ionic current change using scanning ion conductance microscopy. <i>Nanoscale</i> , 2021, 13, 19973-19984.	5.6	7
46	Entry-Prohibited Effect of kHz Pulsed Magnetic Field Upon Interaction Between SPIO Nanoparticles and Mesenchymal Stem Cells. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1152-1158.	4.2	12
47	Magnetic navigation helps PLGA drug loaded magnetic microspheres achieve precise chemoembolization and hyperthermia. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124364.	4.7	16
48	Triplexed Tracking Labile Sulfur-Containing Species on a Single-Molecule \hat{a} Nezha \hat{a} •Sensor. <i>Analytical Chemistry</i> , 2020, 92, 2672-2679.	6.5	1
49	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , 2020, 10, 462-483.	10.0	154
50	A Novel Method to Construct Dual-targeted Magnetic Nanoprobes by Modular Assembling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125339.	4.7	2
51	Magnetic sensor based on image processing for dynamically tracking magnetic moment of single magnetic mesenchymal stem cell. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112593.	10.1	10
52	Indocyanine Green Assembled Nanobubbles with Enhanced Fluorescence and Photostability. <i>Langmuir</i> , 2020, 36, 12983-12989.	3.5	15
53	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
54	Hierarchical Fabrication of Plasmonic Superlattice Membrane by Aspect-Ratio Controllable Nanobricks for Label-Free Protein Detection. <i>Frontiers in Chemistry</i> , 2020, 8, 307.	3.6	5

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55	Synthesis of Ultrasmall Fe ₃ O ₄ Nanoparticles as <i>in vivo</i> Dual-Modal Magnetic Resonance Imaging Contrast Agents in Rabbit Hepatic Tumors. ACS Applied Nano Materials, 2020, 3, 3585-3595.	5.0	36
56	An Easy-to-Fabricate Hydrogel Platform with Tunable Stiffness and Cell Anchorage: Validation of Its Feasibility in Modulating Sonic Hedgehog Signaling Pathway Physically. Macromolecular Materials and Engineering, 2020, 305, 1900759.	3.6	6
57	Exploring the "cold/hot" properties of traditional Chinese medicine by cell temperature measurement. Pharmaceutical Biology, 2020, 58, 208-218.	2.9	21
58	Multiscale Patterned Plasmonic Arrays for Highly Sensitive and Uniform SERS Detection. Advanced Materials Interfaces, 2020, 7, 2000248.	3.7	7
59	In situ microbubble-assisted, ultrasound-controlled release of superparamagnetic iron oxide nanoparticles from gastro-retentive tablets. International Journal of Pharmaceutics, 2020, 586, 119615.	5.2	9
60	Moderate cooling coprecipitation for extremely small iron oxide as a pH dependent <i>in vivo</i> -MRI contrast agent. Nanoscale, 2020, 12, 5521-5532.	5.6	35
61	Dynamic tracking of bulk nanobubbles from microbubbles shrinkage to collapse. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124430.	4.7	50
62	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and <i>in Situ</i> Generation of Nitric Oxide in Early Ischemic Stroke. ACS Nano, 2020, 14, 2024-2035.	14.6	156
63	Lateral flow fluorescent immunoassay based on isothermal amplification for rapid quantitative detection of <i>Salmonella</i> spp.. Analyst, The, 2020, 145, 2367-2377.	3.5	13
64	Introduction to Biosensors. Journal of Materials Chemistry B, 2020, 8, 3168-3170.	5.8	11
65	Iron-Based Nanozymes in Disease Diagnosis and Treatment. ChemBioChem, 2020, 21, 2722-2732.	2.6	18
66	Temperature-regulated self-assembly of lipids at free bubbles interface: A green and simple method to prepare micro/nano bubbles. Nano Research, 2020, 13, 999-1007.	10.4	12
67	A Multi-Channel System for Temperature Sensing of Neural Stem Cells in Adherent Culture. Analytical Chemistry, 2020, 92, 3270-3275.	6.5	9
68	Wireless Thermometry for Real-Time Temperature Recording on Thousand-Cell Level. IEEE Transactions on Biomedical Engineering, 2019, 66, 23-29.	4.2	16
69	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. Acta Biomaterialia, 2019, 96, 491-504.	8.3	74
70	Iron oxide nanoparticles induce reversible endothelial-to-mesenchymal transition in vascular endothelial cells at acutely non-cytotoxic concentrations. Particle and Fibre Toxicology, 2019, 16, 30.	6.2	29
71	Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through Wnt/ β -catenin signaling. Materials Science and Engineering C, 2019, 104, 109955.	7.3	50
72	A new approach of electrochemical etching fabrication based on drop-off-delay control. Review of Scientific Instruments, 2019, 90, 074902.	1.3	2

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73	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
74	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
75	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
76	Gold Nanoparticle Probe-Assisted Antigen-Counting Chip Using SEM. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6769-6776.	8.0	11
77	Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. <i>Langmuir</i> , 2019, 35, 5364-5371.	3.5	17
78	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , 2019, 35, 4238-4245.	3.5	54
79	Catalytic Mechanisms of Nanozymes and Their Applications in Biomedicine. <i>Bioconjugate Chemistry</i> , 2019, 30, 1273-1296.	3.6	113
80	<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
81	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> , 2019, 294, 6494-6505.	3.4	1
82	Antibody-Oriented Strategy and Mechanism for the Preparation of Fluorescent Nanoprobes for Fast and Sensitive Immunodetection. <i>Langmuir</i> , 2019, 35, 4860-4867.	3.5	52
83	Magnetic internal heating-induced high performance Prussian blue nanoparticle preparation and excellent catalytic activity. <i>Dalton Transactions</i> , 2019, 48, 17169-17173.	3.3	16
84	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
85	Specific, non-invasive and magnetically-directed targeting of magnetic erythrocytes in blood vessels of mice. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 67, 1-1.	4.2	1
86	Real-Time Temperature Measurements of HMEC-1 Cells During Inflammation Production and Repair Detected by Wireless Thermometry. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1898-1904.	4.2	9
87	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> , 2019, 1863, 502-510.	2.4	5
88	Magnetic nanoparticles: recent developments in drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 697-706.	2.0	52
89	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
90	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

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91	Sinapultide-loaded lipid microbubbles and the stabilization effect of sinapultide on the shells of lipid microbubbles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1335-1341.	5.8	6
92	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
93	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
94	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
95	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
96	Ferumoxylol of ultrahigh magnetization produced by hydrocooling and magnetically internal heating co-precipitation. <i>Nanoscale</i> , 2018, 10, 7369-7376.	5.6	62
97	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
98	Adaptive Materials Based on Iron Oxide Nanoparticles for Bone Regeneration. <i>ChemPhysChem</i> , 2018, 19, 1965-1979.	2.1	54
99	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
100	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
101	A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. <i>Nanoscale</i> , 2018, 10, 20289-20295.	5.6	91
102	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , 2018, 8, 4870-4883.	10.0	70
103	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
104	Progress in Applications of Prussian Blue Nanoparticles in Biomedicine. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800347.	7.6	180
105	Precise Study on Size-Dependent Properties of Magnetic Iron Oxide Nanoparticles for <i>In Vivo</i> Magnetic Resonance Imaging. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	2.7	15
106	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
107	Magnetic Resonance Imaging: Time-Dependent T1 -T2 Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe ₃ O ₄ Nanoprobes (Adv. Funct. Mater. 32/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870221.	14.9	5
108	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018, 183, 151-170.	11.4	198

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109	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
110	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
111	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
112	Missing-in-metastasis protein downregulates CXCR4 by promoting ubiquitination and interaction with small Rab GTPases. <i>Journal of Cell Science</i> , 2017, 130, 1475-1485.	2.0	12
113	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
114	Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. <i>Biomaterials</i> , 2017, 140, 16-25.	11.4	97
115	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
116	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
117	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
118	Magnetic drug delivery systems. <i>Science China Materials</i> , 2017, 60, 471-486.	6.3	41
119	Ultrasmall Ferrite Nanoparticles Synthesized <i>via</i> Dynamic Simultaneous Thermal Decomposition for High-Performance and Multifunctional <i>T₁</i> Magnetic Resonance Imaging Contrast Agent. <i>ACS Nano</i> , 2017, 11, 3614-3631.	14.6	173
120	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
121	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
122	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
123	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
124	Injectable thermosensitive magnetic nanoemulsion hydrogel for multimodal-imaging-guided accurate thermoablative cancer therapy. <i>Nanoscale</i> , 2017, 9, 16175-16182.	5.6	49
125	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
126	Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31526-31542.	8.0	92

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127	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
128	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
129	Measurement of In Vitro Single Cell Temperature by Novel Thermocouple Nanoprobe in Acute Lung Injury Models. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 54-60.	1.1	5
130	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> , 2016, Volume 11, 5003-5014.	6.7	99
131	Influence of Reaction Solvent on Crystallinity and Magnetic Properties of MnFe ₂ O ₄ Nanoparticles Synthesized by Thermal Decomposition. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	12
132	Active-target T ₁ -weighted MR Imaging of Tiny Hepatic Tumor via RGD Modified Ultra-small Fe ₃ O ₄ Nanoprobos. <i>Theranostics</i> , 2016, 6, 1780-1791.	10.0	59
133	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
134	The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , 2016, 6, 1306-1323.	10.0	718
135	Micro/Nanoscale Thermometry for Cellular Thermal Sensing. <i>Small</i> , 2016, 12, 4590-4610.	10.0	198
136	Multi-modal Mn-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
137	Reactive oxygen species acts as executor in radiation enhancement and autophagy inducing by AgNPs. <i>Biomaterials</i> , 2016, 101, 1-9.	11.4	94
138	Orientation-Dependent Thermogenesis of Assembled Magnetic Nanoparticles in the Presence of an Alternating Magnetic Field. <i>ChemPhysChem</i> , 2016, 17, 3377-3384.	2.1	13
139	A Multi-Gradient Targeting Drug Delivery System Based on RGD-TRAIL Labeled Magnetic Microbubbles for Cancer Theranostics. <i>Advanced Functional Materials</i> , 2016, 26, 8313-8324.	14.9	41
140	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
141	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
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