

Jin He

List of Publications by Year in descending order

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352
papers

13,874
citations

22146

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30920

102
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361
all docs

361
docs citations

361
times ranked

17957
citing authors

#	ARTICLE	IF	CITATIONS
1	The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , 2016, 6, 1306-1323.	10.0	718
2	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
3	Conductance of Single Alkanedithiols: A Conduction Mechanism and Effect of Molecule-Electrode Contacts. <i>Journal of the American Chemical Society</i> , 2006, 128, 2135-2141.	13.7	484
4	Prussian blue modified iron oxide magnetic nanoparticles and their high peroxidase-like activity. <i>Journal of Materials Chemistry</i> , 2010, 20, 5110.	6.7	333
5	Translocation of Single-Stranded DNA Through Single-Walled Carbon Nanotubes. <i>Science</i> , 2010, 327, 64-67.	12.6	296
6	Identifying single bases in a DNA oligomer with electron tunnelling. <i>Nature Nanotechnology</i> , 2010, 5, 868-873.	31.5	260
7	A Molecular Switch Based on Potential-Induced Changes of Oxidation State. <i>Nano Letters</i> , 2005, 5, 503-506.	9.1	256
8	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
9	Micro/Nanoscale Thermometry for Cellular Thermal Sensing. <i>Small</i> , 2016, 12, 4590-4610.	10.0	198
10	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018, 183, 151-170.	11.4	198
11	Solution Synthesis of Ultrathin Single-Crystalline SnS Nanoribbons for Photodetectors via Phase Transition and Surface Processing. <i>ACS Nano</i> , 2012, 6, 6197-6207.	14.6	193
12	Progress in Applications of Prussian Blue Nanoparticles in Biomedicine. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800347.	7.6	180
13	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
14	Electronic Decay Constant of Carotenoid Polyenes from Single-Molecule Measurements. <i>Journal of the American Chemical Society</i> , 2005, 127, 1384-1385.	13.7	170
15	Switching of a photochromic molecule on gold electrodes: single-molecule measurements. <i>Nanotechnology</i> , 2005, 16, 695-702.	2.6	168
16	Electronic Signatures of all Four DNA Nucleosides in a Tunneling Gap. <i>Nano Letters</i> , 2010, 10, 1070-1075.	9.1	167
17	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
18	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and in Situ Generation of Nitric Oxide in Early Ischemic Stroke. <i>ACS Nano</i> , 2020, 14, 2024-2035.	14.6	156

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19	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , 2020, 10, 462-483.	10.0	154
20	The impact of iron oxide magnetic nanoparticles on the soil bacterial community. <i>Journal of Soils and Sediments</i> , 2011, 11, 1408-1417.	3.0	148
21	Enhancement of radiosensitization by metal-based nanoparticles in cancer radiation therapy. <i>Cancer Biology and Medicine</i> , 2014, 11, 86-91.	3.0	138
22	Tunnelling readout of hydrogen-bonding-based recognition. <i>Nature Nanotechnology</i> , 2009, 4, 297-301.	31.5	128
23	Improved charge transport of Nb-doped TiO ₂ nanorods in methylammonium lead iodide bromide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19616-19622.	10.3	127
24	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
25	Effective PEGylation of Iron Oxide Nanoparticles for High Performance In Vivo Cancer Imaging. <i>Advanced Functional Materials</i> , 2011, 21, 1498-1504.	14.9	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	Employing Macrophage-Derived Microvesicle for Kidney-Targeted Delivery of Dexamethasone: An Efficient Therapeutic Strategy against Renal Inflammation and Fibrosis. <i>Theranostics</i> , 2019, 9, 4740-4755.	10.0	112
29	Synthesis of Ultrastable Copper Sulfide Nanoclusters via Trapping the Reaction Intermediate: Potential Anticancer and Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7082-7092.	8.0	111
30	High-performance PEGylated Mn ²⁺ /Zn ferrite nanocrystals as a passive-targeted agent for magnetically induced cancer theranostics. <i>Biomaterials</i> , 2014, 35, 9126-9136.	11.4	110
31	Redox-gated electron transport in electrically wired ferrocene molecules. <i>Chemical Physics</i> , 2006, 326, 138-143.	1.9	109
32	One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500360.	3.7	107
33	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
34	Electrochemical Origin of Voltage-Controlled Molecular Conductance Switching. <i>Journal of the American Chemical Society</i> , 2006, 128, 14828-14835.	13.7	105
35	Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. <i>Biomaterials</i> , 2017, 140, 16-25.	11.4	97
36	Origin of Giant Ionic Currents in Carbon Nanotube Channels. <i>ACS Nano</i> , 2011, 5, 7277-7283.	14.6	95

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37	Measuring single molecule conductance with break junctions. <i>Faraday Discussions</i> , 2006, 131, 145-154.	3.2	94
38	Reactive oxygen species acts as executor in radiation enhancement and autophagy inducing by AgNPs. <i>Biomaterials</i> , 2016, 101, 1-9.	11.4	94
39	Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31526-31542.	8.0	92
40	Enhanced cytotoxic activity of cetuximab in EGFR-positive lung cancer by conjugating with gold nanoparticles. <i>Scientific Reports</i> , 2014, 4, 7490.	3.3	85
41	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
42	Identification of DNA Basepairing via Tunnel-Current Decay. <i>Nano Letters</i> , 2007, 7, 3854-3858.	9.1	82
43	Shape-controlled fabrication of magnetite silver hybrid nanoparticles with high performance magnetic hyperthermia. <i>Biomaterials</i> , 2017, 124, 35-46.	11.4	82
44	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
45	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. <i>Analytica Chimica Acta</i> , 2013, 803, 128-134.	5.4	80
46	Plasma membrane activatable polymeric nanotheranostics with self-enhanced light-triggered photosensitizer cellular influx for photodynamic cancer therapy. <i>Journal of Controlled Release</i> , 2017, 255, 231-241.	9.9	77
47	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
48	On the Mechanism of Negative Differential Resistance in Ferrocenylundecanethiol Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2005, 127, 11932-11933.	13.7	76
49	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
50	Magnetic responsive scaffolds and magnetic fields in bone repair and regeneration. <i>Frontiers of Materials Science</i> , 2014, 8, 20-31.	2.2	72
51	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
52	Recognition tunneling. <i>Nanotechnology</i> , 2010, 21, 262001.	2.6	70
53	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , 2018, 8, 4870-4883.	10.0	70
54	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

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55	Cardioprotective activity of iron oxide nanoparticles. <i>Scientific Reports</i> , 2015, 5, 8579.	3.3	66
56	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
57	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
58	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
59	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
60	Gold nanoparticles in injectable calcium phosphate cement enhance osteogenic differentiation of human dental pulp stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 35-45.	3.3	61
61	A caffeic acid mediated facile synthesis of silver nanoparticles with powerful anti-cancer activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 229-234.	5.0	60
62	Novel magnetic calcium phosphate-stem cell construct with magnetic field enhances osteogenic differentiation and bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 98, 30-41.	7.3	60
63	Active-target T ₁ -weighted MR Imaging of Tiny Hepatic Tumor via RGD Modified Ultra-small Fe ₃ O ₄ Nanoparticles. <i>Theranostics</i> , 2016, 6, 1780-1791.	10.0	59
64	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
65	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
66	Adaptive Materials Based on Iron Oxide Nanoparticles for Bone Regeneration. <i>ChemPhysChem</i> , 2018, 19, 1965-1979.	2.1	54
67	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , 2019, 35, 4238-4245.	3.5	54
68	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
69	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
70	Magnetic nanoparticles: recent developments in drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 697-706.	2.0	52
71	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
72	Copper acetate monohydrate: a cheap but efficient oxidant for synthesizing multi-substituted indolizines from pyridinium ylides and electron deficient alkenes. <i>RSC Advances</i> , 2012, 2, 8637.	3.6	51

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73	Simultaneous Ionic Current and Potential Detection of Nanoparticles by a Multifunctional Nanopipette. <i>ACS Nano</i> , 2016, 10, 11237-11248.	14.6	50
74	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
75	Time-Dependent T ₁ -T ₂ Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe ₃ O ₄ Nanoprobos. <i>Advanced Functional Materials</i> , 2018, 28, 1802281.	14.9	50
76	Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through WNT/ β -catenin signaling. <i>Materials Science and Engineering C</i> , 2019, 104, 109955.	7.3	50
77	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
78	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
79	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. <i>ACS Nano</i> , 2016, 10, 5096-5103.	14.6	47
80	Shape-dependent enzyme-like activity of Co ₃ O ₄ nanoparticles and their conjugation with his-tagged EGFR single-domain antibody. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 55-62.	5.0	46
81	In Situ Multimodality Imaging of Cancerous Cells Based on a Selective Performance of Fe ²⁺ -Adsorbed Zeolitic Imidazolate Framework ⁸ . <i>Advanced Functional Materials</i> , 2017, 27, 1603926.	14.9	46
82	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
83	Proton exchange membranes with cross-linked interpenetrating network of sulfonated polyvinyl alcohol and poly(2-acrylamido-2-methyl-1-propanesulfonic acid): Excellent relative selectivity. <i>Journal of Membrane Science</i> , 2020, 595, 117511.	8.2	42
84	Shape affects the interactions of nanoparticles with pulmonary surfactant. <i>Science China Materials</i> , 2015, 58, 28-37.	6.3	41
85	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
86	Magnetic drug delivery systems. <i>Science China Materials</i> , 2017, 60, 471-486.	6.3	41
87	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
88	Sphingosine 1-Phosphate Liposomes for Targeted Nitric Oxide Delivery to Mediate Anticancer Effects against Brain Glioma Tumors. <i>Advanced Materials</i> , 2021, 33, e2101701.	21.0	41
89	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
90	Light-Inducible Exosome-Based Vehicle for Endogenous RNA Loading and Delivery to Leukemia Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1807189.	14.9	40

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91	Current applications and future prospects of nanotechnology in cancer immunotherapy. <i>Cancer Biology and Medicine</i> , 2019, 16, 487-497.	3.0	40
92	A Novel AuNP α -Based Glucose Oxidase Mimic with Enhanced Activity and Selectivity Constructed by Molecular Imprinting and O ₂ -Containing Nanoemulsion Embedding. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801070.	3.7	39
93	Continuous synthesis of size-tunable silver nanoparticles by a green electrolysis method and multi-electrode design for high yield. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1925-1929.	10.3	38
94	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
95	Pre-vascularization in fibrin Gel/PLGA microsphere scaffolds designed for bone regeneration. <i>NPG Asia Materials</i> , 2018, 10, 827-839.	7.9	38
96	Gap Distance and Interactions in a Molecular Tunnel Junction. <i>Journal of the American Chemical Society</i> , 2011, 133, 14267-14269.	13.7	37
97	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
98	Microelectromechanical System-Based Sensing Arrays for Comparative in Vitro Nanotoxicity Assessment at Single Cell and Small Cell-Population Using Electrochemical Impedance Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5804-5812.	8.0	37
99	Key Role of TFEB Nucleus Translocation for Silver Nanoparticle-Induced Cytoprotective Autophagy. <i>Small</i> , 2018, 14, e1703711.	10.0	36
100	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
101	Adaptive iron-based magnetic nanomaterials of high performance for biomedical applications. <i>Nano Research</i> , 2022, 15, 1-17.	10.4	36
102	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
103	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018, 34, 1310-1322.	3.5	35
104	Surface properties of encapsulating hydrophobic nanoparticles regulate the main phase transition temperature of lipid bilayers: A simulation study. <i>Nano Research</i> , 2014, 7, 1195-1204.	10.4	34
105	Tunnel conductance of Watson-Crick nucleoside base pairs from telegraph noise. <i>Nanotechnology</i> , 2009, 20, 185102.	2.6	33
106	Molecular dynamics simulations of the interactions of charge-neutral PAMAM dendrimers with pulmonary surfactant. <i>Soft Matter</i> , 2011, 7, 3882.	2.7	33
107	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
108	Insulated gold scanning tunneling microscopy probes for recognition tunneling in an aqueous environment. <i>Review of Scientific Instruments</i> , 2012, 83, 015102.	1.3	31

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109	Optical and Electrical Detection of Single-Molecule Translocation through Carbon Nanotubes. <i>ACS Nano</i> , 2013, 7, 689-694.	14.6	31
110	Quantitative study of protein-protein interactions by quartz nanopipettes. <i>Nanoscale</i> , 2014, 6, 10255-10263.	5.6	31
111	Redox responsive liposomal nanohybrid cerasomes for intracellular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 518-525.	5.0	31
112	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
113	High-Performance Worm-like Mn-Zn Ferrite Theranostic Nanoagents and the Application on Tumor Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29536-29548.	8.0	30
114	Cell Temperature Measurement for Biometabolism Monitoring. <i>ACS Sensors</i> , 2021, 6, 290-302.	7.8	30
115	Chemical recognition and binding kinetics in a functionalized tunnel junction. <i>Nanotechnology</i> , 2012, 23, 235101.	2.6	29
116	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
117	Ambient Filtration Method To Rapidly Prepare Highly Conductive, Paper-Based Porous Gold Films for Electrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27049-27058.	8.0	29
118	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
119	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
120	Targeted inductive heating of nanomagnets by a combination of alternating current (AC) and static magnetic fields. <i>Nano Research</i> , 2015, 8, 600-610.	10.4	28
121	Ultrafast Preparation of Monodisperse Fe ₃ O ₄ Nanoparticles by Microwave-Assisted Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2016, 22, 11807-11815.	3.3	28
122	In situ formation of multiple stimuli-responsive poly[(methyl vinyl ether)-alt-(maleic acid)]-based supramolecular hydrogels by inclusion complexation between cyclodextrin and azobenzene. <i>RSC Advances</i> , 2016, 6, 13129-13136.	3.6	28
123	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
124	<p>Novel lipophilic SN38 prodrug forming stable liposomes for colorectal carcinoma therapy</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5201-5213.	6.7	28
125	Strongly coupled Mo ₂ C and Ni nanoparticles with in-situ formed interfaces encapsulated by porous carbon nanofibers for efficient hydrogen evolution reaction under alkaline conditions. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 100-105.	9.4	28
126	Human platelets repurposed as vehicles for <i>in vivo</i> imaging of myeloma xenotransplants. <i>Oncotarget</i> , 2016, 7, 21076-21090.	1.8	28

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127	Length dependence of charge transport in oligoanilines. <i>Applied Physics Letters</i> , 2007, 90, 072112.	3.3	27
128	Integrated pharmacokinetics and biodistribution of multiple flavonoid C-glycosides components in rat after oral administration of <i>Abrus mollis</i> extract and correlations with bio-effects. <i>Journal of Ethnopharmacology</i> , 2015, 163, 290-296.	4.1	27
129	Neuropilin-1 (NRP-1)/GPC1 pathway mediates glioma progression. <i>Tumor Biology</i> , 2016, 37, 13777-13788.	1.8	27
130	Self-healing pH-sensitive poly[(methyl vinyl ether)-alt-(maleic acid)]-based supramolecular hydrogels formed by inclusion complexation between cyclodextrin and adamantane. <i>Materials Science and Engineering C</i> , 2017, 73, 357-365.	7.3	27
131	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
132	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
133	Indocyanine green assembled free oxygen-nanobubbles towards enhanced near-infrared induced photodynamic therapy. <i>Nano Research</i> , 2022, 15, 4285-4293.	10.4	27
134	Cucurbituril mediated single molecule detection and identification via recognition tunneling. <i>Nanotechnology</i> , 2018, 29, 365501.	2.6	26
135	Tunnelling current recognition through core-satellite gold nanoparticles for ultrasensitive detection of copper ions. <i>Chemical Communications</i> , 2015, 51, 2921-2924.	4.1	25
136	Genetic Variants of BMP2 and Their Association with the Risk of Non-Syndromic Tooth Agenesis. <i>PLoS ONE</i> , 2016, 11, e0158273.	2.5	25
137	Monitoring the Dynamic Process of Formation of Plasmonic Molecular Junctions during Single Nanoparticle Collisions. <i>Small</i> , 2018, 14, e1704164.	10.0	25
138	Dynamic single-cell intracellular pH sensing using a SERS-active nanopipette. <i>Analyst</i> , 2020, 145, 4852-4859.	3.5	25
139	Recent fabrications and applications of cardiac patch in myocardial infarction treatment. <i>View</i> , 2022, 3, 20200153.	5.3	25
140	A hydrogen-bonded electron-tunneling circuit reads the base composition of unmodified DNA. <i>Nanotechnology</i> , 2009, 20, 075102.	2.6	24
141	Recognition Tunneling Measurement of the Conductance of DNA Bases Embedded in Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20443-20448.	3.1	24
142	In vitro biological effects of magnetic nanoparticles. <i>Science Bulletin</i> , 2012, 57, 3972-3978.	1.7	24
143	Molecular targeting of VEGF/VEGFR signaling by the anti-VEGF monoclonal antibody BD0801 inhibits the growth and induces apoptosis of human hepatocellular carcinoma cells <i>in vitro</i> and <i>in vivo</i> . <i>Cancer Biology and Therapy</i> , 2017, 18, 166-176.	3.4	24
144	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

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145	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
146	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
147	Paclitaxel-Loaded Magnetic Nanoparticles: Synthesis, Characterization, and Application in Targeting. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2115-2122.	3.3	23
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