

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3656877/jin-he-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.

329
papers

9,952
citations

52
h-index

88
g-index

361
ext. papers

11,932
ext. citations

7.2
avg. IF

6.52
L-index

#	Paper	IF	Citations
329	The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , 2016 , 6, 1306-23	12.1	533
328	Conductance of single alkanedithiols: conduction mechanism and effect of molecule-electrode contacts. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2135-41	16.4	449
327	Prussian Blue Nanoparticles as Multienzyme Mimetics and Reactive Oxygen Species Scavengers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5860-5	16.4	386
326	Prussian blue modified iron oxide magnetic nanoparticles and their high peroxidase-like activity. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5110		294
325	Translocation of single-stranded DNA through single-walled carbon nanotubes. <i>Science</i> , 2010 , 327, 64-7	33.3	268
324	A molecular switch based on potential-induced changes of oxidation state. <i>Nano Letters</i> , 2005 , 5, 503-6	11.5	238
323	Identifying single bases in a DNA oligomer with electron tunnelling. <i>Nature Nanotechnology</i> , 2010 , 5, 868-73	28.7	222
322	Solution synthesis of ultrathin single-crystalline SnS nanoribbons for photodetectors via phase transition and surface processing. <i>ACS Nano</i> , 2012 , 6, 6197-207	16.7	168
321	Response of MAPK pathway to iron oxide nanoparticles in vitro treatment promotes osteogenic differentiation of hBMSCs. <i>Biomaterials</i> , 2016 , 86, 11-20	15.6	161
320	Switching of a photochromic molecule on gold electrodes: single-molecule measurements. <i>Nanotechnology</i> , 2005 , 16, 695-702	3.4	160
319	Electronic decay constant of carotenoid polyenes from single-molecule measurements. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1384-5	16.4	159
318	Micro/Nanoscale Thermometry for Cellular Thermal Sensing. <i>Small</i> , 2016 , 12, 4590-610	11	150
317	Electronic signatures of all four DNA nucleosides in a tunneling gap. <i>Nano Letters</i> , 2010 , 10, 1070-5	11.5	143
316	Ultrasmall Ferrite Nanoparticles Synthesized via Dynamic Simultaneous Thermal Decomposition for High-Performance and Multifunctional T Magnetic Resonance Imaging Contrast Agent. <i>ACS Nano</i> , 2017 , 11, 3614-3631	16.7	123
315	Enhancement of radiosensitization by metal-based nanoparticles in cancer radiation therapy. <i>Cancer Biology and Medicine</i> , 2014 , 11, 86-91	5.2	118
314	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018 , 183, 151-170	15.6	117
313	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	13	117

312	The impact of iron oxide magnetic nanoparticles on the soil bacterial community. <i>Journal of Soils and Sediments</i> , 2011 , 11, 1408-1417	3.4	108
311	Effective PEGylation of Iron Oxide Nanoparticles for High Performance In Vivo Cancer Imaging. <i>Advanced Functional Materials</i> , 2011 , 21, 1498-1504	15.6	108
310	Tunnelling readout of hydrogen-bonding-based recognition. <i>Nature Nanotechnology</i> , 2009 , 4, 297-301	28.7	107
309	Redox-gated electron transport in electrically wired ferrocene molecules. <i>Chemical Physics</i> , 2006 , 326, 138-143	2.3	103
308	Electrochemical origin of voltage-controlled molecular conductance switching. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14828-35	16.4	98
307	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28480-28494	9.5	94
306	Progress in Applications of Prussian Blue Nanoparticles in Biomedicine. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800347	10.1	92
305	Synthesis of ultrastable copper sulfide nanoclusters via trapping the reaction intermediate: potential anticancer and antibacterial applications. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7082-92	9.5	91
304	Measuring single molecule conductance with break junctions. <i>Faraday Discussions</i> , 2006 , 131, 145-54; discussion 205-20	3.6	91
303	Magnetic Nanoliposomes as in Situ Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. <i>ACS Nano</i> , 2017 , 11, 1509-1519	16.7	89
302	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	16.7	85
301	High-performance PEGylated Mn-Zn ferrite nanocrystals as a passive-targeted agent for magnetically induced cancer theranostics. <i>Biomaterials</i> , 2014 , 35, 9126-36	15.6	85
300	Origin of giant ionic currents in carbon nanotube channels. <i>ACS Nano</i> , 2011 , 5, 7277-83	16.7	80
299	Reactive oxygen species acts as executor in radiation enhancement and autophagy inducing by AgNPs. <i>Biomaterials</i> , 2016 , 101, 1-9	15.6	78
298	One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500360	4.6	77
297	On the mechanism of negative differential resistance in ferrocenylundecanethiol self-assembled monolayers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11932-3	16.4	73
296	Identification of DNA basepairing via tunnel-current decay. <i>Nano Letters</i> , 2007 , 7, 3854-8	11.5	72
295	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. <i>Analytica Chimica Acta</i> , 2013 , 803, 128-34	6.6	71

294	Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31526-31542	9.5	71
293	Phage-mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish. <i>Nature Materials</i> , 2015 , 14, 1058-64	27	69
292	Fluorescent Nanoprobes with Oriented Modified Antibodies to Improve Lateral Flow Immunoassay of Cardiac Troponin I. <i>Analytical Chemistry</i> , 2018 , 90, 6502-6508	7.8	69
291	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and Generation of Nitric Oxide in Early Ischemic Stroke. <i>ACS Nano</i> , 2020 , 14, 2024-2035	16.7	68
290	Catalytic Mechanisms of Nanozymes and Their Applications in Biomedicine. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1273-1296	6.3	67
289	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , 2020 , 10, 462-483	12.1	67
288	Shape-controlled fabrication of magnetite silver hybrid nanoparticles with high performance magnetic hyperthermia. <i>Biomaterials</i> , 2017 , 124, 35-46	15.6	65
287	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	11.7	63
286	Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. <i>Biomaterials</i> , 2017 , 140, 16-25	15.6	63
285	Recognition tunneling. <i>Nanotechnology</i> , 2010 , 21, 262001	3.4	61
284	Enhanced cytotoxic activity of cetuximab in EGFR-positive lung cancer by conjugating with gold nanoparticles. <i>Scientific Reports</i> , 2014 , 4, 7490	4.9	58
283	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	55
282	Magnetic field activated drug release system based on magnetic PLGA microspheres for chemo-thermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 712-20	6	55
281	Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10601-10606	9.5	55
280	Magnetic responsive scaffolds and magnetic fields in bone repair and regeneration. <i>Frontiers of Materials Science</i> , 2014 , 8, 20-31	2.5	54
279	Shape Evolution of Multibranched Mn ₂ Ferrite Nanostructures with High Performance: A Transformation of Nanocrystals into Nanoclusters. <i>Chemistry of Materials</i> , 2013 , 25, 3702-3709	9.6	54
278	Is the autophagy a friend or foe in the silver nanoparticles associated radiotherapy for glioma?. <i>Biomaterials</i> , 2015 , 62, 47-57	15.6	53
277	Cardioprotective activity of iron oxide nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 8579	4.9	52

276	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 ^{12.1}	50
275	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	11.7 49
274	Active-target T1-weighted MR Imaging of Tiny Hepatic Tumor via RGD Modified Ultra-small Fe ₃ O ₄ Nanoprobes. <i>Theranostics</i> , 2016 , 6, 1780-91	12.1 46
273	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	24 45
272	A caffeic acid mediated facile synthesis of silver nanoparticles with powerful anti-cancer activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 229-34	6 44
271	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	10.8 43
270	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	3.7 43
269	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	4.4 42
268	Sliced Magnetic Polyacrylamide Hydrogel with Cell-Adhesive Microarray Interface: A Novel Multicellular Spheroid Culturing Platform. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15113-9	9.5 42
267	A Functional Iron Oxide Nanoparticles Modified with PLA-PEG-DG as Tumor-Targeted MRI Contrast Agent. <i>Pharmaceutical Research</i> , 2017 , 34, 1683-1692	4.5 41
266	Magnetic targeting combined with active targeting of dual-ligand iron oxide nanoprobes to promote the penetration depth in tumors for effective magnetic resonance imaging and hyperthermia. <i>Acta Biomaterialia</i> , 2019 , 96, 491-504	10.8 41
265	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , 2018 , 8, 4870-4883	12.1 41
264	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	6 40
263	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. <i>ACS Nano</i> , 2016 , 10, 5096-103	16.7 39
262	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	8.3 39
261	Magnetic nanoparticles: recent developments in drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 697-706	3.6 38
260	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	6.1 38
259	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 ^{9.5}	38

258	Adaptive Materials Based on Iron Oxide Nanoparticles for Bone Regeneration. <i>ChemPhysChem</i> , 2018 , 19, 1965-1979	3.2	37
257	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	9.5	37
256	A Multi-Gradient Targeting Drug Delivery System Based on RGD-l-TRAIL-Labeled Magnetic Microbubbles for Cancer Theranostics. <i>Advanced Functional Materials</i> , 2016 , 26, 8313-8324	15.6	36
255	Shape-dependent enzyme-like activity of CoO nanoparticles and their conjugation with his-tagged EGFR single-domain antibody. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 154, 55-62	6	34
254	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	15.6	34
253	Simultaneous Ionic Current and Potential Detection of Nanoparticles by a Multifunctional Nanopipette. <i>ACS Nano</i> , 2016 , 10, 11237-11248	16.7	34
252	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , 2019 , 35, 4238-4245	4	33
251	Time-Dependent T1 ρ 2 Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe ₃ O ₄ Nanoprobes. <i>Advanced Functional Materials</i> , 2018 , 28, 1802281	15.6	33
250	Gap distance and interactions in a molecular tunnel junction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14267-9	16.4	33
249	Magnetic drug delivery systems. <i>Science China Materials</i> , 2017 , 60, 471-486	7.1	31
248	Molecular dynamics simulations of the interactions of charge-neutral PAMAM dendrimers with pulmonary surfactant. <i>Soft Matter</i> , 2011 , 7, 3882	3.6	30
247	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	7.8	29
246	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 & Interfaces</i> , 2017 , 9, 43478-43489	9.5	29
245	Magnetic assembly-mediated enhancement of differentiation of mouse bone marrow cells cultured on magnetic colloidal assemblies. <i>Scientific Reports</i> , 2014 , 4, 5125	4.9	28
244	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, 5804-12	9.5	27
243	Optical and electrical detection of single-molecule translocation through carbon nanotubes. <i>ACS Nano</i> , 2013 , 7, 689-94	16.7	27
242	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	9.3	27
241	Shape affects the interactions of nanoparticles with pulmonary surfactant. <i>Science China Materials</i> , 2015 , 58, 28-37	7.1	27

240	Tunnel conductance of Watson-Crick nucleoside-base pairs from telegraph noise. <i>Nanotechnology</i> , 2009 , 20, 185102	3.4	27
239	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, 26579-84	9.5	26
238	Key Role of TFEB Nucleus Translocation for Silver Nanoparticle-Induced Cytoprotective Autophagy. <i>Small</i> , 2018 , 14, e1703711	11	26
237	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	26
236	Length dependence of charge transport in oligoanilines. <i>Applied Physics Letters</i> , 2007 , 90, 072112	3.4	26
235	The preosteoblast response of electrospinning PLGA/PCL nanofibers: effects of biomimetic architecture and collagen I. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4157-71	7.3	26
234	Redox responsive liposomal nanohybrid cerasomes for intracellular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 148, 518-525	6	26
233	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	25
232	Quantitative study of protein-protein interactions by quartz nanopipettes. <i>Nanoscale</i> , 2014 , 6, 10255-637.7		25
231	Chemical recognition and binding kinetics in a functionalized tunnel junction. <i>Nanotechnology</i> , 2012 , 23, 235101	3.4	25
230	Pre-vascularization in fibrin Gel/PLGA microsphere scaffolds designed for bone regeneration. <i>NPG Asia Materials</i> , 2018 , 10, 827-839	10.3	25
229	Ambient Filtration Method To Rapidly Prepare Highly Conductive, Paper-Based Porous Gold Films for Electrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27049-58	9.5	24
228	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	8.3	24
227	Insulated gold scanning tunneling microscopy probes for recognition tunneling in an aqueous environment. <i>Review of Scientific Instruments</i> , 2012 , 83, 015102	1.7	24
226	Current applications and future prospects of nanotechnology in cancer immunotherapy. <i>Cancer Biology and Medicine</i> , 2019 , 16, 486-497	5.2	24
225	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	3.7	23
224	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	13	23
223	Antibody-Oriented Strategy and Mechanism for the Preparation of Fluorescent Nanoprobes for Fast and Sensitive Immunodetection. <i>Langmuir</i> , 2019 , 35, 4860-4867	4	23

222	Light-Inducible Exosome-Based Vehicle for Endogenous RNA Loading and Delivery to Leukemia Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1807189	15.6	23
221	Tunnelling current recognition through core-satellite gold nanoparticles for ultrasensitive detection of copper ions. <i>Chemical Communications</i> , 2015 , 51, 2921-4	5.8	22
220	Electronic sensitivity of carbon nanotubes to internal water wetting. <i>ACS Nano</i> , 2011 , 5, 3113-9	16.7	21
219	A hydrogen-bonded electron-tunneling circuit reads the base composition of unmodified DNA. <i>Nanotechnology</i> , 2009 , 20, 075102	3.4	21
218	High Quality Multicellular Tumor Spheroid Induction Platform Based on Anisotropic Magnetic Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10446-10452	9.5	20
217	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	8.3	20
216	Integrated pharmacokinetics and biodistribution of multiple flavonoid C-glycosides components in rat after oral administration of Abrus mollis extract and correlations with bio-effects. <i>Journal of Ethnopharmacology</i> , 2015 , 163, 290-6	5	20
215	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	3.8	20
214	Neuropilin-1 (NRP-1)/GIPC1 pathway mediates glioma progression. <i>Tumor Biology</i> , 2016 , 37, 13777-13788	8.9	20
213	A Novel AuNP-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	4.6	20
212	Paclitaxel-Loaded Magnetic Nanoparticles: Synthesis, Characterization, and Application in Targeting. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2115-2122	3.9	19
211	Synthesis of Ultrasmall Fe ₃ O ₄ Nanoparticles as T1/T2 Dual-Modal Magnetic Resonance Imaging Contrast Agents in Rabbit Hepatic Tumors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3585-3595	5.6	19
210	Ultrafast Preparation of Monodisperse Fe ₃ O ₄ Nanoparticles by Microwave-Assisted Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2016 , 22, 11807-15	4.8	19
209	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	9.5	19
208	Human platelets repurposed as vehicles for in vivo imaging of myeloma xenotransplants. <i>Oncotarget</i> , 2016 , 7, 21076-90	3.3	19
207	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018 , 34, 1310-1322	5.7	19
206	Apoptosis-promoting effect of rituximab-conjugated magnetic nanoprobe on malignant lymphoma cells with CD20 overexpression. <i>International Journal of Nanomedicine</i> , 2019 , 14, 921-936	7.3	18
205	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	7.7	18

204	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	8.4	18
203	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	9.5	18
202	Fabrication of core-shell nanoparticles via controlled aggregation of semi-flexible conjugated polymer and hyaluronic acid. <i>Macromolecules</i> , 2013 , 46, 6374-6378	5.5	18
201	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	9.6	18
200	Preparation and in vivo safety evaluations of antileukemic homoharringtonine-loaded PEGylated liposomes. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 652-660	3.6	17
199	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	2.7	17
198	Rapid in situ biosynthesis of gold nanoparticles in living platelets for multimodal biomedical imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 163, 385-393	6	17
197	The Application of Nanomaterials in Stem Cell Therapy for Some Neurological Diseases. <i>Current Drug Targets</i> , 2018 , 19, 279-298	3	17
196	Multiple step growth of single crystalline rutile nanorods with the assistance of self-assembled monolayer for dye sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9809-15	9.5	17
195	In vitro biological effects of magnetic nanoparticles. <i>Science Bulletin</i> , 2012 , 57, 3972-3978		17
194	Target therapy of multiple myeloma by PTX-NPs and ABCG2 antibody in a mouse xenograft model. <i>Oncotarget</i> , 2015 , 6, 27714-24	3.3	17
193	Strongly coupled MoC 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	9.3	17
192	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> , 2017 , 157, 31-39	6	16
191	Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57382-57390	9.5	16
190	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	6	16
189	Peroxidase-Like Activity of Gold Nanoparticles and Their Gold Staining Enhanced ELISA Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 951-958	1.3	16
188	Novel lipophilic SN38 prodrug forming stable liposomes for colorectal carcinoma therapy. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5201-5213	7.3	16
187	Transverse tunneling through DNA hydrogen bonded to an electrode. <i>Nano Letters</i> , 2008 , 8, 2530-4	11.5	16

186	Liposomally formulated phospholipid-conjugated novel near-infrared fluorescence probe for particle size effect on cellular uptake and biodistribution in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 588-596	6	16
185	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	6	15
184	Alteration of serum lipid profile and its prognostic value in head and neck squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2016 , 45, 167-72	3.3	15
183	Colloidal silver nanoparticles improve anti-leukemic drug efficacy via amplification of oxidative stress. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 198-203	6	15
182	Electrospun MnCo ₂ O ₄ nanofibers for efficient hydrogen evolution reaction. <i>Materials Research Express</i> , 2016 , 3, 095018	1.7	15
181	PEGylated long-circulating liposomes deliver homoharringtonine to suppress multiple myeloma cancer stem cells. <i>Experimental Biology and Medicine</i> , 2017 , 242, 996-1004	3.7	14
180	Molecular targeting of VEGF/VEGFR signaling by the anti-VEGF monoclonal antibody BD0801 inhibits the growth and induces apoptosis of human hepatocellular carcinoma cells in vitro and in vivo. <i>Cancer Biology and Therapy</i> , 2017 , 18, 166-176	4.6	14
179	In vitro cytotoxicity evaluation of graphene oxide from the peroxidase-like activity perspective. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 151, 215-223	6	14
178	Altering the response of intracellular reactive oxygen to magnetic nanoparticles using ultrasound and microbubbles. <i>Science China Materials</i> , 2015 , 58, 467-480	7.1	14
177	Growth enhancing effect of LBL-assembled magnetic nanoparticles on primary bone marrow cells. <i>Science China Materials</i> , 2016 , 59, 901-910	7.1	14
176	Synthesis and Characterization of Comb-like Methoxy Polyethylene Glycol-grafted Polyurethanes via Click Chemistry. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014 , 51, 456-464	2.2	14
175	Sphingosine 1-Phosphate Liposomes for Targeted Nitric Oxide Delivery to Mediate Anticancer Effects against Brain Glioma Tumors. <i>Advanced Materials</i> , 2021 , 33, e2101701	24	14
174	Magnet-activatable nanoliposomes as intracellular bubble microreactors to enhance drug delivery efficacy and burst cancer cells. <i>Nanoscale</i> , 2019 , 11, 18854-18865	7.7	14
173	Transmission electron microscopy and atomic force microscopy characterization of nickel deposition on bacterial cells. <i>Science Bulletin</i> , 2007 , 52, 2919-2924		13
172	The fabrication of a gold nanoelectrode-nanopore nanopipette for dopamine enrichment and multimode detection. <i>Analyst, The</i> , 2020 , 145, 1047-1055	5	13
171	Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. <i>Langmuir</i> , 2019 , 35, 5364-5371	4	12
170	Optimization of hydrophobic nanoparticles to better target lipid rafts with molecular dynamics simulations. <i>Nanoscale</i> , 2020 , 12, 4101-4109	7.7	12
169	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	2.9	12

168	Characterization of molecular mechanism of neuroglobin binding to cytochrome c: A surface plasmon resonance and isothermal titration calorimetry study. <i>Inorganic Chemistry Communication</i> , 2015 , 62, 37-41	3.1	12
167	A biodegradable killer microparticle to selectively deplete antigen-specific T cells in vitro and in vivo. <i>Oncotarget</i> , 2016 , 7, 12176-90	3.3	12
166	Enhanced proton conductivity and relative selectivity of sulfonated poly(arylene ether ketone sulfone) proton exchange membranes by using triazole-grafted 3-Glycidyoxypropyltrimethoxysilane. <i>Electrochimica Acta</i> , 2018 , 291, 49-63	6.7	12
165	Click-Chemistry-Mediated Rapid Microbubble Capture for Acute Thrombus Ultrasound Molecular Imaging. <i>ChemBioChem</i> , 2017 , 18, 1364-1368	3.8	11
164	Monitoring the Dynamic Process of Formation of Plasmonic Molecular Junctions during Single Nanoparticle Collisions. <i>Small</i> , 2018 , 14, e1704164	11	11
163	Rotating magnetic field-controlled fabrication of magnetic hydrogel with spatially disk-like microstructures. <i>Science China Materials</i> , 2018 , 61, 1112-1122	7.1	11
162	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	15.6	11
161	Scanning Ion Conductance Microscopic Study for Cellular Uptake of Cationic Conjugated Polymer Nanoparticles. <i>Macromolecular Bioscience</i> , 2016 , 16, 599-607	5.5	11
160	Single-Entity Approach to Investigate Surface Charge Enhancement in Magnetoelectric Nanoparticles Induced by AC Magnetic Field Stimulation. <i>ACS Sensors</i> , 2021 , 6, 340-347	9.2	11
159	MRI of High-Glucose Metabolism Tumors: a Study in Cells and Mice with 2-DG-Modified Superparamagnetic Iron Oxide Nanoparticles. <i>Molecular Imaging and Biology</i> , 2016 , 18, 24-33	3.8	10
158	Inhibitory effect of epirubicin-loaded lipid microbubbles with conjugated anti-ABCG2 antibody combined with therapeutic ultrasound on multiple myeloma cancer stem cells. <i>Journal of Drug Targeting</i> , 2016 , 24, 34-46	5.4	10
157	Layer-by-layer construction of lipid bilayer on mesoporous silica nanoparticle to improve its water suspensibility and hemocompatibility. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 490-499	2.3	10
156	A signal amplifying fluorescent nanoprobe and lateral flow assay for ultrasensitive detection of cardiac biomarker troponin I. <i>Analytical Methods</i> , 2019 , 11, 3506-3513	3.2	10
155	Dynamic single-cell intracellular pH sensing using a SERS-active nanopipette. <i>Analyst, The</i> , 2020 , 145, 4852-4859	5	10
154	Effect of the surface charge density of nanoparticles on their translocation across pulmonary surfactant monolayer: a molecular dynamics simulation. <i>Molecular Simulation</i> , 2018 , 44, 85-93	2	10
153	Cucurbituril mediated single molecule detection and identification via recognition tunneling. <i>Nanotechnology</i> , 2018 , 29, 365501	3.4	10
152	A surface plasmon resonance study of the intermolecular interaction between Escherichia coli topoisomerase I and pBAD/Thio supercoiled plasmid DNA. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 445-50	3.4	10
151	Genetic Variants of BMP2 and Their Association with the Risk of Non-Syndromic Tooth Agenesis. <i>PLoS ONE</i> , 2016 , 11, e0158273	3.7	10

150	Orientation-Dependent Thermogenesis of Assembled Magnetic Nanoparticles in the Presence of an Alternating Magnetic Field. <i>ChemPhysChem</i> , 2016 , 17, 3377-3384	3.2	10
149	Cell Temperature Measurement for Biometabolism Monitoring. <i>ACS Sensors</i> , 2021 , 6, 290-302	9.2	10
148	Missing-in-metastasis protein downregulates CXCR4 by promoting ubiquitylation and interaction with small Rab GTPases. <i>Journal of Cell Science</i> , 2017 , 130, 1475-1485	5.3	9
147	Long-Lived Gold Single-Atom Junctions Formed by a Flexible Probe for Scanning Tunneling Microscopy Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3410-3416	5.6	9
146	Translocation events in a single walled carbon nanotube. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 454112	1.8	9
145	Preliminary Recognition of c-Myc Gene Protein Using an Optical Biosensor with Gold Colloid Nanoparticles Based on Localized Surface Plasmon Resonance. <i>Analytical Letters</i> , 2009 , 42, 2820-2837	2.2	9
144	Rituximab conjugated iron oxide nanoparticles for targeted imaging and enhanced treatment against CD20-positive lymphoma. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 895-907	7.3	9
143	A novel calibration method incorporating nonlinear optimization and ball-bearing markers for cone-beam CT with a parameterized trajectory. <i>Medical Physics</i> , 2019 , 46, 152-164	4.4	9
142	Gold Nanoparticle Probe-Assisted Antigen-Counting Chip Using SEM. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6769-6776	9.5	8
141	MoC-Ni modified carbon microfibers as an effective electrocatalyst for hydrogen evolution reaction in acidic solution. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 300-306	9.3	8
140	Roles of PIP2 in the membrane binding of MIM I-BAR: insights from molecular dynamics simulations. <i>FEBS Letters</i> , 2018 , 592, 2533-2542	3.8	8
139	Extracellular Surface Potential Mapping by Scanning Ion Conductance Microscopy Revealed Transient Transmembrane Pore Formation Induced by Conjugated Polymer Nanoparticles. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800271	5.5	8
138	Iron-Based Nanozymes in Disease Diagnosis and Treatment. <i>ChemBioChem</i> , 2020 , 21, 2722-2732	3.8	8
137	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> , 2021 , 21, 1115-1123 ⁸	11.5	8
136	Optical and Exciton Dynamical Properties of a Screw-Dislocation-Driven ZnO:Sn Microstructure. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12655-62	9.5	7
135	Analyzing surface plasmon resonance data: choosing a correct biphasic model for interpretation. <i>Review of Scientific Instruments</i> , 2015 , 86, 035001	1.7	7
134	Reliably Probing the Conductance of a Molecule in a Cavity via van der Waals Contacts. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16143-16148	3.8	7
133	Probing Dynamic Events of Dielectric Nanoparticles by a Nanoelectrode-Nanopore Nanopipette. <i>ChemElectroChem</i> , 2018 , 5, 3102-3112	4.3	7

132	Thermo-Sensitive PLGA-PEG-PLGA Tri-Block Copolymer Hydrogel as Three-Dimensional Cell Culture Matrix for Ovarian Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5252-5255	1.3	7
131	Iron oxide nanoparticles in liquid or powder form enhanced osteogenesis via stem cells on injectable calcium phosphate scaffold. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102069	6	7
130	Effects of temperature and PEG grafting density on the translocation of PEGylated nanoparticles across asymmetric lipid membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 92-100	6	7
129	DNA translocating through a carbon nanotube can increase ionic current. <i>Nanotechnology</i> , 2012 , 23, 455107	3.4	7
128	Grafting of telechelic poly(lactic-co-glycolic acid) onto O2 plasma-treated polypropylene flakes. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 210-216	2.9	7
127	Charge transport in mesoscopic conducting polymer wires. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 374120	1.8	7
126	Simultaneous mapping of nanoscale topography and surface potential of charged surfaces by scanning ion conductance microscopy. <i>Nanoscale</i> , 2020 , 12, 20737-20748	7.7	7
125	Direct Observation of Amide Bond Formation in a Plasmonic Nanocavity Triggered by Single Nanoparticle Collisions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9781-9790	16.4	7
124	Temperature-regulated self-assembly of lipids at free bubbles interface: A green and simple method to prepare micro/nano bubbles. <i>Nano Research</i> , 2020 , 13, 999-1007	10	7
123	Electrochemical detection of DNA by formation of efficient electron transfer pathways through adsorbing gold nanoparticles to DNA modified electrodes. <i>Microchemical Journal</i> , 2021 , 169, 106581	4.8	7
122	Electrospun SiO ₂ /WO ₃ /NiWO ₄ decorated carbon nanofibers for an efficient electrocatalytic hydrogen evolution. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 506-513	1.8	6
121	Single-Irradiation Simultaneous Dual-Modal Bioimaging Using Nanostructure Scintillators as Single Contrast Agent. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801324	10.1	6
120	Optimizing colloidal dispersity of magnetic nanoparticles based on magnetic separation with magnetic nanowires array. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 569-577	2.6	6
119	Downregulation of MIM protein inhibits the cellular endocytosis process of magnetic nanoparticles in macrophages. <i>RSC Advances</i> , 2016 , 6, 96635-96643	3.7	6
118	Preparation of Stabilizer-Free Silver Nanoparticle-Coated Micropipettes as Surface-Enhanced Raman Scattering Substrate for Single Cell Detection. <i>Nanoscale Research Letters</i> , 2015 , 10, 417	5	6
117	Targeted therapeutic effect of anti-ABCG2 antibody combined with nano silver and vincristine on mouse myeloma cancer stem cells. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	6
116	Corrosion Behaviors on Polycrystalline Gold Substrates in Self-Assembled Processes of Alkanethiol Monolayers. <i>Analytical Letters</i> , 2005 , 38, 1289-1304	2.2	6
115	Adaptive iron-based magnetic nanomaterials of high performance for biomedical applications. <i>Nano Research</i> , 2022 , 15, 1	10	6

114	Inhibitory effect of magnetic FeO nanoparticles coloaded with homoharringtonine on human leukemia cells in vivo and in vitro. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4413-4422	7.3	6
113	Novel magnetic silk fibroin scaffolds with delayed degradation for potential long-distance vascular repair. <i>Bioactive Materials</i> , 2022 , 7, 126-143	16.7	6
112	Modulating and probing the dynamic intermolecular interactions in plasmonic molecule-pair junctions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15940-15948	3.6	5
111	Magnetic labeling of natural lipid encapsulations with iron-based nanoparticles. <i>Nano Research</i> , 2018 , 11, 2970-2991	10	5
110	Serum bilirubin level predicts postoperative overall survival in oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2018 , 47, 382-387	3.3	5
109	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	15.6	5
108	Preparation and characterization of a novel nanocomposite: silver nanoparticles decorated cerasome. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 69, 199-206	2.3	5
107	A Promising Combo Gene Delivery System Developed from (3-Aminopropyl)triethoxysilane-Modified Iron Oxide Nanoparticles and Cationic Polymers. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	5
106	Two-Step Decomposition of Plasmon Coupling in Plasmonic Oligomers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11713-11717	3.8	5
105	Nano-opto-electronics for biomedicine. <i>Science Bulletin</i> , 2013 , 58, 2521-2529		5
104	The preparation and application of microbubble contrast agent combining ultrasound imaging and magnetic resonance imaging. <i>Science Bulletin</i> , 2009 , 54, 2934-2939		5
103	Magnetic brain stimulation using iron oxide nanoparticle-mediated selective treatment of the left prelimbic cortex as a novel strategy to rapidly improve depressive-like symptoms in mice. <i>Zoological Research</i> , 2020 , 41, 381-394	3.4	5
102	Observing dynamic molecular changes at single-molecule level in a cucurbituril based plasmonic molecular junction. <i>Nanoscale</i> , 2020 , 12, 17103-17112	7.7	5
101	Indocyanine Green Assembled Nanobubbles with Enhanced Fluorescence and Photostability. <i>Langmuir</i> , 2020 , 36, 12983-12989	4	5
100	Effective Electrochemical Modulation of SERS Intensity Assisted by Core-Shell Nanoparticles. <i>Analytical Chemistry</i> , 2021 , 93, 4441-4448	7.8	5
99	The SH3 domain distinguishes the role of I-BAR proteins IRTKS and MIM in chemotactic response to serum. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 479, 787-792	3.4	5
98	Regulations on cell therapy products in China: a brief history and current status. <i>Regenerative Medicine</i> , 2019 , 14, 791-803	2.5	4
97	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> , 2020 , 305, 1900759	3.9	4

96	In situ microbubble-assisted, ultrasound-controlled release of superparamagnetic iron oxide nanoparticles from gastro-retentive tablets. <i>International Journal of Pharmaceutics</i> , 2020 , 586, 119615	6.5	4
95	The effects of macroporosity and stiffness of poly[(methyl vinyl ether)-alt-(maleic acid)] cross-linked egg white simulations of an aged extracellular matrix on the proliferation of ovarian cancer cells. <i>RSC Advances</i> , 2016 , 6, 43892-43900	3.7	4
94	Electrospun P ₄ Mo ₂ W ₂ Ni multicomponent composite oxides for hydrogen evolution reaction. <i>Materials Research Express</i> , 2017 , 4, 105025	1.7	4
93	Physicochemical properties of nanoparticles affect translocation across pulmonary surfactant monolayer. <i>Molecular Physics</i> , 2017 , 115, 3143-3154	1.7	4
92	Note: Model identification and analysis of bivalent analyte surface plasmon resonance data. <i>Review of Scientific Instruments</i> , 2015 , 86, 106107	1.7	4
91	Quantitative Evaluation of the Total Magnetic Moments of Colloidal Magnetic Nanoparticles: A Kinetics-based Method. <i>ChemPhysChem</i> , 2015 , 16, 1598-602	3.2	4
90	2, 3-dimercaptosuccinic acid-modified iron oxide clusters for magnetic resonance imaging. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 4030-4037	3.9	4
89	A Multi-Channel System for Temperature Sensing of Neural Stem Cells in Adherent Culture. <i>Analytical Chemistry</i> , 2020 , 92, 3270-3275	7.8	4
88	Combined Therapeutic Effects of I-Labeled and 5Fu-Loaded Multifunctional Nanoparticles in Colorectal Cancer. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2777-2787	7.3	4
87	Extrusion 3D Printing of Porous Silicone Architectures for Engineering Human Cardiomyocyte-Infused Patches Mimicking Adult Heart Stiffness.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5865-5871	4.1	4
86	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	11.8	4
85	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	5.6	4
84	Use of polyvinylpyrrolidone-iodine solution for sterilisation and preservation improves mechanical properties and osteogenesis of allografts. <i>Scientific Reports</i> , 2016 , 6, 38669	4.9	4
83	Differentiation of metallic and dielectric nanoparticles in solution by single-nanoparticle collision events at the nanoelectrode. <i>Nanotechnology</i> , 2020 , 31, 015503	3.4	4
82	Scanning Ion Conductance Microscopy Study Reveals the Disruption of the Integrity of the Human Cell Membrane Structure by Oxidative DNA Damage. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1632-1639	4.1	4
81	Safety, heart specificity, and therapeutic effect evaluation of Guanfu base A-loaded solid nanolipids in treating arrhythmia. <i>Drug Delivery and Translational Research</i> , 2018 , 8, 1471-1482	6.2	4
80	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	9.5	4
79	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	16.7	4

78	Facile Fabrication of Gold Functionalized Nanopipette for Nanoscale Electrochemistry and Surface Enhanced Raman Spectroscopy. <i>Chinese Journal of Analytical Chemistry</i> , 2019 , 47, e19104-e19112	1.6	3
77	Hierarchical Fabrication of Plasmonic Superlattice Membrane by Aspect-Ratio Controllable Nanobricks for Label-Free Protein Detection. <i>Frontiers in Chemistry</i> , 2020 , 8, 307	5	3
76	Detection of Secretion of Exosomes from Individual Cell in Real-Time by Multifunctional Nanoelectrode-Nanopore Nanopipettes. <i>Chinese Journal of Analytical Chemistry</i> , 2020 , 48, e20061-e20068	1.6	3
75	Multiscale Patterned Plasmonic Arrays for Highly Sensitive and Uniform SERS Detection. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000248	4.6	3
74	The Wittig-Horner reaction for the synthesis of neratinib. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3105-3110	2.8	3
73	TQ-B3203, a potent proliferation inhibitor derived from camptothecin. <i>Medicinal Chemistry Research</i> , 2017 , 26, 3395-3406	2.2	3
72	Uptake of magnetic nanoparticles for adipose-derived stem cells with multiple passage numbers. <i>Science China Materials</i> , 2017 , 60, 892-902	7.1	3
71	Silicon Nanoparticles: One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80% (Adv. Mater. Interfaces 16/2015). <i>Advanced Materials Interfaces</i> , 2015 , 2,	4.6	3
70	The Formation of intracellular nanoparticles correlates with cisplatin resistance. <i>Science China Materials</i> , 2015 , 58, 640-648	7.1	3
69	The Antiproliferative and Colony-suppressive Activities of STAT3 Inhibitors in Human Cancer Cells Is Compromised Under Hypoxic Conditions. <i>Anticancer Research</i> , 2017 , 37, 547-553	2.3	3
68	Data sustained misalignment correction in microscopic cone beam CT via optimization under the Grangeat Epipolar consistency condition. <i>Medical Physics</i> , 2020 , 47, 498-508	4.4	3
67	Applying deep learning in automatic and rapid measurement of lattice spacings in HRTEM images. <i>Science China Materials</i> , 2020 , 63, 2365-2370	7.1	3
66	Modular design of Bi-specific nanoplatform engaged in malignant lymphoma immunotherapy. <i>Nanoscale</i> , 2020 , 12, 18418-18428	7.7	3
65	A Contrast Examination of Proinflammatory Effects on Kidney Function for FeO NP and Gadolinium Dimeglumine. <i>International Journal of Nanomedicine</i> , 2021 , 16, 2271-2282	7.3	3
64	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,	10.3	3
63	Enrichment of Ovarian Cancer Stem Cells by PEG Cross-Linked PMVE-co-MA Hydrogel with Controllable Elastic Modulus. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 12134-12144	1.3	3
62	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	4	3
61	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	3

60	Highly sensitive detection of DNA damage in living cells by SERS and electrochemical measurements using a flexible gold nanoelectrode. <i>Analyst, The</i> , 2021 , 146, 2321-2329	5	3
59	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 , 16, 5101-5115	7.3	3
58	Effect of Electrical Stimulation on Spontaneously Beating Dynamics of Cardiac Tissues: An Analysis Using Digital Image Correlation. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100669	6.8	3
57	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	16.7	3
56	Recent fabrications and applications of cardiac patch in myocardial infarction treatment. <i>View</i> ,202001537.8		3
55	Zwitterion-functionalized hollow mesoporous Prussian blue nanoparticles for targeted and synergetic chemo-photothermal treatment of acute myeloid leukemia. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5245-5254	7.3	3
54	Nanoenzyme engineered neutrophil-derived exosomes attenuate joint injury in advanced rheumatoid arthritis via regulating inflammatory environment.. <i>Bioactive Materials</i> , 2022 , 18, 1-14	16.7	3
53	Dual-network hydrogel based on ionic nano-reservoir for gastric perforation sealing. <i>Science China Materials</i> , 2022 , 65, 827-835	7.1	3
52	The effect of ratios of egg white to yolk on the shape of droplets. <i>Materials Science and Engineering C</i> , 2017 , 77, 947-954	8.3	2
51	Electrospun PW12Ni5O43.5(isogenous) nanocomposites for highly efficient hydrogen evolution reaction. <i>Materials Research Express</i> , 2019 , 6, 075015	1.7	2
50	A Novel Biomimetic Magnetosensor Based on Magneto-Optically Involved Conformational Variation of MagR/Cry4 Complex. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901168	6.4	2
49	Crosslinked Dextran Gel Microspheres with Computed Tomography Angiography and Drug Release Function. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2931-2937	1.3	2
48	Fe3O4 nanoparticle loaded paclitaxel induce multiple myeloma apoptosis by cell cycle arrest and increase cleavage of caspases in vitro. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	2
47	Magnetic energy-based understanding the mechanism of magnetothermal anisotropy for macroscopically continuous film of assembled Fe3O4 nanoparticles. <i>AIP Advances</i> , 2017 , 7, 085109	1.5	2
46	The size-dependent thermoelectric response of tungsten-constantan thermocouple in the sub-micro scale. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 455-458	2.6	2
45	The surface modification of medical polyurethane to improve the hydrophilicity and lubricity: The effect of pretreatment. <i>Journal of Applied Polymer Science</i> , 2009 , 116, NA-NA	2.9	2
44	Indocyanine green assembled free oxygen-nanobubbles towards enhanced near-infrared induced photodynamic therapy.. <i>Nano Research</i> , 2022 , 1-9	10	2
43	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

42	Carbon Nanotube Based Nanopore and Nanofluidic Devices Towards Sensing Applications. <i>Current Nanoscience</i> , 2016 , 12, 421-428	1.4	2
41	Potential Osteoinductive Effects of Hydroxyapatite Nanoparticles on Mesenchymal Stem Cells by Endothelial Cell Interaction. <i>Nanoscale Research Letters</i> , 2021 , 16, 67	5	2
40	Developing Longer-Lived Single Molecule Junctions with a Functional Flexible Electrode. <i>Small</i> , 2021 , 17, e2101911	11	2
39	Exploiting LBL-assembled Au nanoparticles to enhance Raman signals for point-of-care testing of osteoporosis with excreta sample. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	1
38	Optimizing purification process of MIM-I-BAR domain by introducing atomic force microscope and dynamics simulations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 391-397	6	1
37	Preparation and Cellular Uptake Assessment of Multifunctional Rubik-Like Magnetic Nano-Assemblies. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3301-3309	1.3	1
36	Aurora kinase inhibitors attached to iron oxide nanoparticles enhances inhibition of the growth of liver cancer cells. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	1
35	Selective electroless silver plating of optical fiber probes with protruding tips. <i>Microsystem Technologies</i> , 2016 , 22, 2487-2491	1.7	1
34	Orally Active Aurora A/B Kinase Inhibitor, AM-005, Suppresses the Growth of Human Colon Carcinoma Cells. <i>Drug Development Research</i> , 2013 , 74, 272-281	5.1	1
33	Artificial Intelligence-Aided Multiple Tumor Detection Method Based on Immunohistochemistry-Enhanced Dark-Field Imaging.. <i>Analytical Chemistry</i> , 2021 ,	7.8	1
32	Design of small molecules targeting I-BAR proteins. <i>Current Pharmaceutical Design</i> , 2015 , 21, 1318-26	3.3	1
31	Genetic variants in TKT and DERA in the nicotinamide adenine dinucleotide phosphate pathway predict melanoma survival. <i>European Journal of Cancer</i> , 2020 , 136, 84-94	7.5	1
30	Detecting Individual Bond Switching within Amides in a Tunneling Junction. <i>Nano Letters</i> , 2021 , 21, 5409-5414	11.5	1
29	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	5.4	1
28	Prognostic value of serum liver enzymes in oral and oropharynx squamous cell carcinomas. <i>Journal of Oral Pathology and Medicine</i> , 2019 , 48, 36-42	3.3	1
27	Numerical simulations of cell flow and trapping within microfluidic channels for stiffness based cell isolation. <i>Journal of Biomechanics</i> , 2019 , 85, 43-49	2.9	1
26	Optical Imaging and High-Accuracy Quantification of Intracellular Iron Contents. <i>Small</i> , 2021 , 17, e2005474	4.7	1
25	Tri-primer-enhanced strand exchange amplification combined with rapid lateral flow fluorescence immunoassay to detect SARS-CoV-2. <i>Analyst, The</i> , 2021 , 146, 6650-6664	5	1

24	Fast immunofluorescence lateral flow test strip approach for detection of homocysteine. <i>Micro and Nano Letters</i> , 2018 , 13, 1719-1723	0.9	1
23	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	9.5	1
22	Ultrasmall Prussian blue nanoparticles attenuate UVA-induced cellular senescence in human dermal fibroblasts inhibiting the ERK/AP-1 pathway. <i>Nanoscale</i> , 2021 , 13, 16104-16112	7.7	1
21	Nanomedicines Targeting Respiratory Injuries for Pulmonary Disease Management. <i>Advanced Functional Materials</i> , 2112258	15.6	1
20	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	5.8	1
19	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	16.7	1
18	A Rapid Test Strip for Diagnosing Glycosylated Hemoglobin (HbA1c) Based on Fluorescent Affinity Immunochromatography. <i>Analytical Sciences</i> , 2018 , 34, 1117-1123	1.7	0
17	A new approach of electrochemical etching fabrication based on drop-off-delay control. <i>Review of Scientific Instruments</i> , 2019 , 90, 074902	1.7	0
16	Superparamagnetic core-shell electrospun scaffolds with sustained release of IONPs facilitating and bone regeneration. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8980-8993	7.3	0
15	Selective activation of ABCA1/ApoA1 signaling in the V1 by magnetoelectric stimulation ameliorates depression via regulation of synaptic plasticity.. <i>IScience</i> , 2022 , 25, 104201	6.1	0
14	Magnetic Nanobubble Mechanical Stress Induces the Piezo1-Ca ²⁺ -BMP2/Smad Pathway to Modulate Neural Stem Cell Fate and MRI/Ultrasound Dual Imaging Surveillance for Ischemic Stroke.. <i>Small</i> , 2022 , e2201123	11	0
13	Modulating Nanoparticle Translocation by Surface Chemistry of Gold Nanopores. <i>Chinese Journal of Analytical Chemistry</i> , 2019 , 47, e19081-e19087	1.6	
12	Microbubbles for Biomedical Imaging 2016 , 53-109		
11	Experimental Research of In Vivo Mouse Cardiac 4D Micro-CT Imaging via Deformation Vector Field Registration. <i>Sensing and Imaging</i> , 2019 , 20, 1	1.4	
10	Liposomally formulated phospholipid-conjugated novel near-infrared fluorescence probe for particle size effect on cellular uptake and biodistribution in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 265-271	6	
9	Fusogenic charge-reversal vector: a viropexis-mimicking system for gene delivery. <i>Science China Materials</i> , 2015 , 58, 913-914	7.1	
8	Electrical Properties of Cu-TCNQ Prepared by the Limited Growth. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 294, 197-200		
7	Influence of Compression Process on Optical Properties of PDA Langmuir-Blodgett Films. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 237, 287		

- 6 Triplexed Tracking Labile Sulfur-Containing Species on a Single-Molecule "Nezha" Sensor. *Analytical Chemistry*, **2020**, 92, 2672-2679 7.8
- 5 Identification, characterization, and synthesis of process-related impurities in antiproliferative agent TQ-B3203. *Journal of Liquid Chromatography and Related Technologies*, **2016**, 39, 488-496 1.3
- 4 Nano-sensing and nano-therapy targeting central players in iron homeostasis. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1667 9.2
- 3 Optical Microscopy: Optical Imaging and High-Accuracy Quantification of Intracellular Iron Contents (Small 2/2021). *Small*, **2021**, 17, 2170005 11
- 2 Edge prior guided dictionary learning for quantitative susceptibility mapping reconstruction.. *Quantitative Imaging in Medicine and Surgery*, **2022**, 12, 510-525 3.6
- 1 Microscopic Volta potential difference on metallic surface promotes the osteogenic differentiation and proliferation of human mesenchymal stem cells. *Materials Science and Engineering C*, **2021**, 128, 112325 8.2