Ai-guo Wu

List of Publications by Year in Descending Order

274 papers	11,500 citations	54 h-index	97 g-index
301 ext. papers	13,936 ext. citations	8 avg, IF	6.75 L-index

#	Paper	IF	Citations
274	Black TiO nanoprobe-mediated mild phototherapy reduces intracellular lipid levels in atherosclerotic foam cells via cholesterol regulation pathways instead of apoptosis.. *Bioactive Materials*, **2022**, 17, 18-28	16.7	2
273	Dendritic Polyglycerol-Conjugated Gold Nanostars for Metabolism Inhibition and Targeted Photothermal Therapy in Breast Cancer Stem Cells.. *Advanced Healthcare Materials*, **2022**, e2102272	10.1	3
272	A D-peptide ligand of neuropeptide Y receptor Y1 serves as nanocarrier traversing of the blood brain barrier and targets glioma. *Nano Today*, **2022**, 44, 101465	17.9	1
271	TiO-based Surface-Enhanced Raman Scattering bio-probe for efficient circulating tumor cell detection on microfilter.. *Biosensors and Bioelectronics*, **2022**, 210, 114305	11.8	4
270	Nanoscale covalent organic frameworks: from controlled synthesis to cancer therapy. *Chemical Communications*, **2021**, 57, 12417-12435	5.8	1
269	Intelligent Pore Switch of Hollow Mesoporous Organosilica Nanoparticles for High Contrast Magnetic Resonance Imaging and Tumor-Specific Chemotherapy. *Nano Letters*, **2021**, 21, 9551-9559	11.5	4
268	Transition metal ion-doped ferrites nanoparticles for bioimaging and cancer therapy. *Translational Oncology*, **2021**, 15, 101264	4.9	3
267	Boosting Chemodynamic Therapy a Synergy of Hypothermal Ablation and Oxidation Resistance Reduction. *ACS Applied Materials & Interfaces*, **2021**, 13, 54770-54782	9.5	1
266	The Neuropeptide Y Receptor Ligand-Modified Cell Membrane Promotes Targeted Photodynamic Therapy of Zeolitic Imidazolate Frameworks for Breast Cancer. *Journal of Physical Chemistry Letters*, **2021**, 12, 11280-11287	6.4	0
265	An intelligent tumor microenvironment responsive nanotheranostic agent for 1/2 dual-modal magnetic resonance imaging-guided and self-augmented photothermal therapy. *Biomaterials Science*, **2021**, 9, 7591-7602	7.4	1
264	Polypyrrole-based nanotheranostic agent for MRI guided photothermal-chemodynamic synergistic cancer therapy. *Nanoscale*, **2021**, 13, 19085-19097	7.7	5
263	Advances in surface-enhanced Raman scattering bioprobes for cancer imaging. *View*, **2021**, 2, 20200146	7.8	3
262	HO-Responsive Gold Nanoclusters @ Mesoporous Silica @ Manganese Dioxide Nanozyme for "Off/On" Modulation and Enhancement of Magnetic Resonance Imaging and Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2021**, 13, 14928-14937	9.5	23
261	Hsp90 inhibitor-loaded IR780 micelles for mitochondria-targeted mild-temperature photothermal therapy in xenograft models of human breast cancer. *Cancer Letters*, **2021**, 500, 41-50	9.9	15
260	Mixed Metal Metal-Organic Frameworks Derived Carbon Supporting ZnFeO/C for High-Performance Magnetic Particle Imaging. *Nano Letters*, **2021**, 21, 2730-2737	11.5	14
259	Public-Health-Driven Microfluidic Technologies: From Separation to Detection. *Micromachines*, **2021**, 12,	3.3	4
258	ICG and Sunitinib-loaded NH2-MOFs for Folate-mediated Hepatocellular Carcinoma Dual-modal Therapy. *Chemical Research in Chinese Universities*, **2021**, 37, 967-974	2.2	1

257	Research progress and mechanism of nanomaterials-mediated in-situ remediation of cadmium-contaminated soil: A critical review. *Journal of Environmental Sciences*, **2021**, 104, 351-364	6.4	18
256	Octahedral silver oxide nanoparticles enabling remarkable SERS activity for detecting circulating tumor cells. *Science China Life Sciences*, **2021**, 1	8.5	3
255	Ultrasound-Mediated Cavitation Enhances EGFR-Targeting PLGA-PEG Nano-Micelle Delivery for Triple-Negative Breast Cancer Treatment. *Cancers*, **2021**, 13,	6.6	2
254	Pressure-induced amorphous zeolitic imidazole frameworks with reduced toxicity and increased tumor accumulation improves therapeutic efficacy. *Bioactive Materials*, **2021**, 6, 740-748	16.7	4
253	Rational design of nanomedicine for photothermal-chemodynamic bimodal cancer therapy. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1682	9.2	12
252	Maltodextrin-Conjugated Gd-Based MRI Contrast Agents for Specific Diagnosis of Bacterial Infections.. *ACS Applied Bio Materials*, **2021**, 4, 3762-3772	4.1	3
251	An ultra-sensitive colorimetric sensor based on smartphone for pyrophosphate determination. *Sensors and Actuators B: Chemical*, **2021**, 329, 129066	8.5	12
250	Metal-Free Organo-Theranostic Nanosystem with High Nitroxide Stability and Loading for Image-Guided Targeted Tumor Therapy. *ACS Nano*, **2021**, 15, 3079-3097	16.7	13
249	Black titanium dioxide@manganese dioxide for glutathione-responsive MR imaging and enhanced photothermal therapy. *Journal of Materials Chemistry B*, **2021**, 9, 314-321	7.3	7
248	An intelligent T-T switchable MRI contrast agent for the non-invasive identification of vulnerable atherosclerotic plaques. *Nanoscale*, **2021**, 13, 6461-6474	7.7	7
247	Magnetic hybrid nanoparticles for environmental remediation **2021**, 591-615		
246	Supra-Carbon Dots Formed by Fe-Driven Assembly for Enhanced Tumor-Specific Photo-Mediated and Chemodynamic Synergistic Therapy.. *ACS Applied Bio Materials*, **2021**, 4, 2759-2768	4.1	5
245	Manganese-Doped Carbon Dots with Redshifted Orange Emission for Enhanced Fluorescence and Magnetic Resonance Imaging.. *ACS Applied Bio Materials*, **2021**, 4, 1969-1975	4.1	11
244	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with Elemene for Cancer Therapy. *Advanced Materials*, **2021**, 33, e2102054	24	35
243	A Smart Glutathione and H2O2 Dual-Responsive Signal Inversion Magnetic Resonance Imaging Contrast Agent for Tumor Diagnosis. *Chinese Journal of Analytical Chemistry*, **2021**, 49, e21141-e21150	1.6	
242	Harnessing the Intriguing Properties of Magnetic Nanoparticles to Detect and Treat Bacterial Infections. *Magnetochemistry*, **2021**, 7, 112	3.1	1
241	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
240	Retinoic Acid-Loaded Dendritic Polyglycerol-Conjugated Gold Nanostars for Targeted Photothermal Therapy in Breast Cancer Stem Cells. *ACS Nano*, **2021**, 15, 15069-15084	16.7	8

239	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with Elemene for Cancer Therapy (Adv. Mater. 37/2021). *Advanced Materials*, **2021**, 33, 2170292	24	5
238	Fluorescent carbon dots with excellent moisture retention capability for moisturizing lipstick. *Journal of Nanobiotechnology*, **2021**, 19, 299	9.4	4
237	Ultralight and superhydrophobic perfluorooctyltrimethoxysilane modified biomass carbonaceous aerogel for oil-spill remediation. *Chemical Engineering Research and Design*, **2021**, 174, 71-78	5.5	3
236	Inhibition of oxidative stress in vivo through enzyme-like activity of carbon dots. *Applied Materials Today*, **2021**, 25, 101178	6.6	3
235	Facile synthesis of biocompatible magnetic titania nanorods for T-magnetic resonance imaging and enhanced phototherapy of cancers. *Journal of Materials Chemistry B*, **2021**, 9, 6623-6633	7.3	3
234	Applications of inorganic nanoparticles in the diagnosis and therapy of atherosclerosis. *Biomaterials Science*, **2020**, 8, 3784-3799	7.4	23
233	Nanoparticle-Based Wound Dressing: Recent Progress in the Detection and Therapy of Bacterial Infections. *Bioconjugate Chemistry*, **2020**, 31, 1708-1723	6.3	37
232	Colorimetric detection of paraquat in aqueous and fruit juice samples based on functionalized gold nanoparticles. *Journal of Food Composition and Analysis*, **2020**, 92, 103574	4.1	10
231	Active targeting nano-scale bubbles enhanced ultrasound cavitation chemotherapy in Y receptor-overexpressed breast cancer. *Journal of Materials Chemistry B*, **2020**, 8, 6837-6844	7.3	3
230	Boron-Containing Lipids and Liposomes: New Conjugates of Cholesterol with Polyhedral Boron Hydrides. *Chemistry - A European Journal*, **2020**, 26, 13832-13841	4.8	19
229	Amplified Photoacoustic Signal and Enhanced Photothermal Conversion of Polydopamine-Coated Gold Nanobipyramids for Phototheranostics and Synergistic Chemotherapy. *ACS Applied Materials & Interfaces*, **2020**, 12, 14866-14875	9.5	35
228	Biosensors for Determination of Pesticides and Their Residues **2020**, 255-287		
227	Biosensors for Swine Influenza Viruses **2020**, 311-327		2
226	Transduction Process-Based Classification of Biosensors **2020**, 23-44		3
225	Microfluidic applications on circulating tumor cell isolation and biomimicking of cancer metastasis. *Electrophoresis*, **2020**, 41, 933-951	3.6	17
224	A ZIF-90 nanoplatform loaded with an enzyme-responsive organic small-molecule probe for imaging the hypoxia status of tumor cells. *Nanoscale*, **2020**, 12, 14870-14881	7.7	14
223	Near-infrared heptamethine cyanine dye-based nanoscale coordination polymers with intrinsic nucleus-targeting for low temperature photothermal therapy. *Nano Today*, **2020**, 34, 100910	17.9	30
222	Effect of elasticity on the phagocytosis of micro/nanoparticles. *Journal of Materials Chemistry B*, **2020**, 8, 2381-2392	7.3	12

221	Perylene Diimide Oligomer Nanoparticles with Ultrahigh Photothermal Conversion Efficiency for Cancer Theranostics.. *ACS Applied Bio Materials*, **2020**, 3, 1607-1615	4.1	13
220	TiO2 Nanoparticles **2020**, 1-66		1
219	Toxicity of TiO2 Nanoparticles **2020**, 67-103		6
218	Antibacterial Applications of TiO 2 Nanoparticles **2020**, 105-132		0
217	Surface-Enhanced Raman Spectrum of TiO 2 Nanoparticle for Biosensing (TiO 2 Nanoparticle Served as SERS Sensing Substrate) **2020**, 133-152		0
216	Cancer Theranostics of White TiO 2 Nanomaterials **2020**, 153-183		
215	Cancer Theranostics of Black TiO 2 Nanoparticles **2020**, 185-215		
214	Neurodegenerative Disease Diagnostics and Therapy of TiO 2 -Based Nanoparticles **2020**, 217-236		
213	Ten-Gram-Scale Facile Synthesis of Organogadolinium Complex Nanoparticles for Tumor Diagnosis. *Small*, **2020**, 16, e1906870	11	9
212	A novel hybrid nanoadsorbent for effective Hg adsorption based on zeolitic imidazolate framework (ZIF-90) assembled onto poly acrylic acid capped FeO nanoparticles and cysteine. *Journal of Hazardous Materials*, **2020**, 392, 122288	12.8	21
211	Small-sized gadolinium oxide based nanoparticles for high-efficiency theranostics of orthotopic glioblastoma. *Biomaterials*, **2020**, 235, 119783	15.6	29
210	pH-Responsive metal-organic framework encapsulated gold nanoclusters with modulated release to enhance photodynamic therapy/chemotherapy in breast cancer. *Journal of Materials Chemistry B*, **2020**, 8, 1739-1747	7.3	41
209	Mitochondria-targeting zeolitic imidazole frameworks to overcome platinum-resistant ovarian cancer. *Colloids and Surfaces B: Biointerfaces*, **2020**, 189, 110837	6	6
208	Tandem post-synthetic modification of a zeolitic imidazolate framework for CXCR4-overexpressed esophageal squamous cell cancer imaging and therapy. *Nanoscale*, **2020**, 12, 12779-12789	7.7	5
207	Colorimetric detection of Cs+ based on the nonmorphological transition mechanism of gold nanoparticles in the presence of Prussian blue. *New Journal of Chemistry*, **2020**, 44, 2241-2246	3.6	3
206	Synthesis of gold-silica core-shell nanoparticles by pulsed laser ablation in liquid and their physico-chemical properties towards photothermal cancer therapy. *Nanoscale*, **2020**, 12, 3007-3018	7.7	28
205	Ce6/Mn-chelated polydopamine@black-TiO nanoprobes for enhanced synergistic phototherapy and magnetic resonance imaging in 4T1 breast cancer. *Nanoscale*, **2020**, 12, 1801-1810	7.7	27
204	Zn Doped Ultrasmall Prussian Blue Nanotheranostic Agent for Breast Cancer Photothermal Therapy under MR Imaging Guidance. *Advanced Healthcare Materials*, **2020**, 9, e1900948	10.1	24

203	An efficient strategy for circulating tumor cell detection: surface-enhanced Raman spectroscopy. *Journal of Materials Chemistry B*, **2020**, 8, 3316-3326	7.3	22
202	PCN-Fe(III)-PTX nanoparticles for MRI guided high efficiency chemo-photodynamic therapy in pancreatic cancer through alleviating tumor hypoxia. *Nano Research*, **2020**, 13, 273-281	10	33
201	Self-assembled, biocompatible and biodegradable TEMPO-conjugated nanoparticles enable folate-targeted tumor magnetic resonance imaging. *Applied Materials Today*, **2020**, 18, 100524	6.6	14
200	Crystal-Amorphous Core-Shell Structure Synergistically Enabling TiO Nanoparticles' Remarkable SERS Sensitivity for Cancer Cell Imaging. *ACS Applied Materials & Interfaces*, **2020**, 12, 4204-4211	9.5	31
199	Deep Penetration of Targeted Nanobubbles Enhanced Cavitation Effect on Thrombolytic Capacity. *Bioconjugate Chemistry*, **2020**, 31, 369-374	6.3	12
198	Preparation of modified sodium alginate aerogel and its application in removing lead and cadmium ions in wastewater. *International Journal of Biological Macromolecules*, **2020**, 157, 687-694	7.9	21
197	Ce6-Conjugated and polydopamine-coated gold nanostars with enhanced photoacoustic imaging and photothermal/photodynamic therapy to inhibit lung metastasis of breast cancer. *Nanoscale*, **2020**, 12, 22173-22184	7.7	10
196	Research advances in integrated theranostic probes for tumor fluorescence visualization and treatment. *Nanoscale*, **2020**, 12, 24311-24330	7.7	9
195	SERS methods based on nanomaterials as a diagnostic tool of cancer **2020**, 189-211		
194	Facile synthesis of Au@MnO magneto-plasmonic nanoflowers for -weighted magnetic resonance imaging and photothermal therapy of cancer. *Journal of Materials Chemistry B*, **2020**, 8, 8356-8367	7.3	7
193	Nanofiber-based hydrogels and aerogels **2020**, 259-276		
192	Low temperature-boosted high efficiency photo-induced charge transfer for remarkable SERS activity of ZnO nanosheets. *Chemical Science*, **2020**, 11, 9414-9420	9.4	22
191	A Hybrid Organo-Nanotheranostic Platform of Superlative Biocompatibility for Near-Infrared-Triggered Fluorescence Imaging and Synergistically Enhanced Ablation of Tumors. *Small*, **2020**, 16, e2002445	11	10
190	Navigating nMOF-mediated enzymatic reactions for catalytic tumor-specific therapy. *Materials Horizons*, **2020**, 7, 3176-3186	14.4	14
189	Tumor Microenvironment Stimuli-Responsive Fluorescence Imaging and Synergistic Cancer Therapy by Carbon-Dot□u2+ Nanoassemblies. *Angewandte Chemie*, **2020**, 132, 21227-21234	3.6	17
188	Tumor Microenvironment Stimuli-Responsive Fluorescence Imaging and Synergistic Cancer Therapy by Carbon-Dot-Cu Nanoassemblies. *Angewandte Chemie - International Edition*, **2020**, 59, 21041-21048	16.4	97
187	Special Issue on □New Materials and Techniques for Environmental Science□*Applied Sciences (Switzerland)*, **2019**, 9, 3515	2.6	
186	A Y receptor ligand synergized with a P-glycoprotein inhibitor improves the therapeutic efficacy of multidrug resistant breast cancer. *Biomaterials Science*, **2019**, 7, 4748-4757	7.4	10

185	Exceedingly Small Gadolinium Oxide Nanoparticles with Remarkable Relaxivities for Magnetic Resonance Imaging of Tumors. *Small*, **2019**, 15, e1903422	11	22
184	A pH-sensitive polymer based precise tumor targeting strategy with reduced uptake of nanoparticles by non-cancerous cells. *Journal of Materials Chemistry B*, **2019**, 7, 5983-5991	7.3	6
183	Engineered nano-immunopotentiators efficiently promote cancer immunotherapy for inhibiting and preventing lung metastasis of melanoma. *Biomaterials*, **2019**, 223, 119464	15.6	37
182	Suppression of the environmental risks of lead in cropland soil using biomass ash and its modified product. *Nanoscale Advances*, **2019**, 1, 1740-1745	5.1	
181	Hierarchical nanomaterials via biomolecular self-assembly and bioinspiration for energy and environmental applications. *Nanoscale*, **2019**, 11, 4147-4182	7.7	88
180	Tunable fabrication of new theranostic FeO-black TiO nanocomposites: dual wavelength stimulated synergistic imaging-guided phototherapy in cancer. *Journal of Materials Chemistry B*, **2019**, 7, 210-223	7.3	16
179	Detection of circulating tumor cells based on improved SERS-active magnetic nanoparticles. *Analytical Methods*, **2019**, 11, 2918-2928	3.2	23
178	Ultra-small gadolinium oxide nanocrystal sensitization of non-small-cell lung cancer cells toward X-ray irradiation by promoting cytostatic autophagy. *International Journal of Nanomedicine*, **2019**, 14, 2415-2431	7.3	17
177	Applications of magnetic materials separation in biological nanomedicine. *Electrophoresis*, **2019**, 40, 2011-2028	3.2	15
176	Facile synthesis of tri(octyl-decyl) amine-modified biomass carbonaceous aerogel for rapid adsorption and removal of iodine ions. *Chemical Engineering Research and Design*, **2019**, 144, 228-236	5.5	2
175	Characterizing the luminescent properties of upconversion nanoparticles in single and densely packed state. *Journal of Innovative Optical Health Sciences*, **2019**, 12, 1841004	1.2	
174	Precisely Tuning the Contrast Properties of ZnxFe3□O4 Nanoparticles in Magnetic Resonance Imaging by Controlling Their Doping Content and Size. *Chemistry of Materials*, **2019**, 31, 7255-7264	9.6	12
173	One-pot synthesis of hollow PDA@DOX nanoparticles for ultrasound imaging and chemo-thermal therapy in breast cancer. *Nanoscale*, **2019**, 11, 21759-21766	7.7	32
172	The Transition from Metal-Based to Metal-Free Contrast Agents for Magnetic Resonance Imaging Enhancement. *Bioconjugate Chemistry*, **2019**, 30, 2264-2286	6.3	28
171	Applications of Iron Oxide-Based Magnetic Nanoparticles in the Diagnosis and Treatment of Bacterial Infections. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 141	5.8	58
170	Manganese-Zeolitic Imidazolate Frameworks-90 with High Blood Circulation Stability for MRI-Guided Tumor Therapy. *Nano-Micro Letters*, **2019**, 11, 61	19.5	27
169	Nanozymes-Engineered Metal-Organic Frameworks for Catalytic Cascades-Enhanced Synergistic Cancer Therapy. *Nano Letters*, **2019**, 19, 5674-5682	11.5	146
168	Colorimetric detection of Ba, Cd and Pb based on a multifunctionalized Au NP sensor. *Analyst, The*, **2019**, 144, 5081-5089	5	12

167	Magnetic Nanomedicine **2019**, 269-313		
166	Radiosensitizing Effect of Gadolinium Oxide Nanocrystals in NSCLC Cells Under Carbon Ion Irradiation. *Nanoscale Research Letters*, **2019**, 14, 328	5	9
165	The design and biomedical applications of self-assembled two-dimensional organic biomaterials. *Chemical Society Reviews*, **2019**, 48, 5564-5595	58.5	70
164	Ce6-Modified Carbon Dots for Multimodal-Imaging-Guided and Single-NIR-Laser-Triggered Photothermal/Photodynamic Synergistic Cancer Therapy by Reduced Irradiation Power. *ACS Applied Materials & Interfaces*, **2019**, 11, 5791-5803	9.5	107
163	Dual ATP and pH responsive ZIF-90 nanosystem with favorable biocompatibility and facile post-modification improves therapeutic outcomes of triple negative breast cancer in vivo. *Biomaterials*, **2019**, 197, 41-50	15.6	87
162	Rapid colorimetric detection of potassium ions based on crown ether modified Au NPs sensor. *Sensors and Actuators B: Chemical*, **2019**, 281, 783-788	8.5	17
161	Cancer cell detection and imaging: MRI-SERS bimodal splat-shaped Fe3O4/Au nanocomposites. *Chinese Chemical Letters*, **2019**, 30, 87-89	8.1	14
160	Graphene-based aptasensors: from molecule-interface interactions to sensor design and biomedical diagnostics. *Analyst, The*, **2018**, 143, 1526-1543	5	64
159	Y receptor ligand-based nanomicelle as a novel nanoprobe for glioma-targeted imaging and therapy. *Nanoscale*, **2018**, 10, 5845-5851	7.7	8
158	Highly efficient removal of toxic Pb2+ from wastewater by an alginate□hitosan hybrid adsorbent. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 2691-2700	3.5	23
157	A rapid colorimetric method for the detection of deltamethrin based on gold nanoparticles modified with 2-mercapto-6-nitrobenzothiazole. *Analytical Methods*, **2018**, 10, 1774-1780	3.2	11
156	Cancer Therapy: Emerging Strategies of Cancer Therapy Based on Ferroptosis (Adv. Mater. 12/2018). *Advanced Materials*, **2018**, 30, 1870084	24	3
155	Hollow mesoporous hydroxyapatite nanostructures; smart nanocarriers with high drug loading and controlled releasing features. *International Journal of Pharmaceutics*, **2018**, 544, 112-120	6.5	25
154	Investigations on the elasticity of functional gold nanoparticles using single-molecule force spectroscopy. *Journal of Materials Chemistry B*, **2018**, 6, 2960-2971	7.3	8
153	pH protective Y receptor ligand functionalized antiphagocytosis BPLP-WPU micelles for enhanced tumor imaging and therapy with prolonged survival time. *Biomaterials*, **2018**, 170, 70-81	15.6	33
152	Fabrication of anti-fouling, anti-bacterial and non-clotting PVDF membranes through one step "outside-in" interface segregation strategy. *Journal of Colloid and Interface Science*, **2018**, 517, 93-103	9.3	16
151	A Supersensitive CTC Analysis System Based on Triangular Silver Nanoprisms and SPION with Function of Capture, Enrichment, Detection, and Release. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1073-1082	5.5	39
150	A novel fibroblast activation protein-targeted near-infrared fluorescent off-on probe for cancer cell detection, in vitro and in vivo imaging. *Journal of Materials Chemistry B*, **2018**, 6, 1449-1451	7.3	23

149	A Ultrasensitive Near-Infrared Fluorescent Probe Reveals Pyroglutamate Aminopeptidase 1 Can Be a New Inflammatory Cytokine. *Advanced Science*, **2018**, 5, 1700664	13.6	24
148	Emerging Strategies of Cancer Therapy Based on Ferroptosis. *Advanced Materials*, **2018**, 30, e1704007	24	272
147	Therapeutic applications of iron oxide based nanoparticles in cancer: basic concepts and recent advances. *Biomaterials Science*, **2018**, 6, 708-725	7.4	77
146	Rapid and sensitive colorimetric sensing of the insecticide pymetrozine using melamine-modified gold nanoparticles. *Analytical Methods*, **2018**, 10, 417-421	3.2	13
145	Lecithin-coated gold nanoflowers (GNFs) for CT scan imaging applications and biochemical parameters; in vitro and in vivo studies. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, 314-323	6.1	2
144	A Flexible Caterpillar-Like Gold Nanoparticle Assemblies with Ultrasmall Nanogaps for Enhanced Dual-Modal Imaging and Photothermal Therapy. *Small*, **2018**, 14, e1800094	11	26
143	Enhanced photocatalytic performance of CeO2TiO2 nanocomposite for degradation of crystal violet dye and industrial waste effluent. *Applied Nanoscience (Switzerland)*, **2018**, 8, 1091-1099	3.3	18
142	A colorimetric sensor based on citrate-stabilized AuNPs for rapid pesticide residue detection of terbuthylazine and dimethoate. *Sensors and Actuators B: Chemical*, **2018**, 255, 3093-3101	8.5	47
141	Solution growth of 3D MnO mesh comprising 1D nanofibres as a novel sensor for selective and sensitive detection of biomolecules. *Biosensors and Bioelectronics*, **2018**, 117, 852-859	11.8	18
140	Porous Gold Nanoshells on Functional NH -MOFs: Facile Synthesis and Designable Platforms for Cancer Multiple Therapy. *Small*, **2018**, 14, e1801851	11	56
139	Recent Advances in Nanoporous Membranes for Water Purification. *Nanomaterials*, **2018**, 8,	5.4	91
138	A novel non-enzymatic hydrolytic probe for dipeptidyl peptidase IV specific recognition and imaging. *Chemical Communications*, **2018**, 54, 8773-8776	5.8	8
137	Y-receptor-ligand-functionalized ultrasmall upconversion nanoparticles for tumor-targeted trimodality imaging and photodynamic therapy with low toxicity. *Nanoscale*, **2018**, 10, 17038-17052	7.7	30
136	In vitro evaluation of the toxicity and underlying molecular mechanisms of Janus Fe O -TiO nanoparticles in human liver cells. *Environmental Toxicology*, **2018**, 33, 1078-1088	4.2	11
135	Black TiO-based nanoprobes for T-weighted MRI-guided photothermal therapy in CD133 high expressed pancreatic cancer stem-like cells. *Biomaterials Science*, **2018**, 6, 2209-2218	7.4	22
134	Adsorption of boron by CA@KH-550@EPH@NMDG (CKEN) with biomass carbonaceous aerogels as substrate. *Journal of Hazardous Materials*, **2018**, 358, 10-19	12.8	24
133	A facile fabrication route for binary transition metal oxide-based Janus nanoparticles for cancer theranostic applications. *Nano Research*, **2018**, 11, 5735-5750	10	27
132	Recent Advances in Superparamagnetic Iron Oxide Based Nanoprobes as Multifunctional Theranostic Agents for Breast Cancer Imaging and Therapy. *Current Medicinal Chemistry*, **2018**, 25, 3001-3016	4.3	17

131	Engineered fluorescent carbon dots as promising immune adjuvants to efficiently enhance cancer immunotherapy. *Nanoscale*, **2018**, 10, 22035-22043	7.7	31
130	Biosafety evaluation of Janus FeO-TiO nanoparticles in Sprague Dawley rats after intravenous injection. *International Journal of Nanomedicine*, **2018**, 13, 6987-7001	7.3	5
129	Paramagnetic and Superparamagnetic Inorganic Nanoparticles for T1-Weighted Magnetic Resonance Imaging. *Current Medicinal Chemistry*, **2018**, 25, 2970-2986	4.3	17
128	Recent Progress in 808 nm Excited Upconversion Nanomaterials as Multifunctional Nanoprobes for Visualized Theranostics in Cancers. *Current Medicinal Chemistry*, **2018**, 25, 2954-2969	4.3	10
127	ZD2-Engineered Gold Nanostar@Metal-Organic Framework Nanoprobes for T -Weighted Magnetic Resonance Imaging and Photothermal Therapy Specifically Toward Triple-Negative Breast Cancer. *Advanced Healthcare Materials*, **2018**, 7, e1801144	10.1	49
126	Fenton-Reaction-Acceleratable Magnetic Nanoparticles for Ferroptosis Therapy of Orthotopic Brain Tumors. *ACS Nano*, **2018**, 12, 11355-11365	16.7	256
125	Controllable synthesis of FeO nanoflowers: enhanced imaging guided cancer therapy and comparison of photothermal efficiency with black-TiO. *Journal of Materials Chemistry B*, **2018**, 6, 3800-3810	7.3	23
124	Dotted Core-Shell Nanoparticles for T -Weighted MRI of Tumors. *Advanced Materials*, **2018**, 30, e1803163	24	62
123	Bioconjugation of Gold Nanobipyramids for SERS Detection and Targeted Photothermal Therapy in Breast Cancer. *ACS Biomaterials Science and Engineering*, **2017**, 3, 608-618	5.5	73
122	Current detection technologies for circulating tumor cells. *Chemical Society Reviews*, **2017**, 46, 2038-2056	38.5	242
121	Detection of herbicide glyphosates based on an anti-aggregation mechanism by using unmodified gold nanoparticles in the presence of Pb2+. *Analytical Methods*, **2017**, 9, 2890-2896	3.2	13
120	Nanomaterial-based cancer immunotherapy. *Journal of Materials Chemistry B*, **2017**, 5, 5517-5531	7.3	26
119	Synthesis of flake-like bismuth tungstate (Bi2WO6) for photocatalytic degradation of coomassie brilliant blue (CBB). *Inorganic Chemistry Communication*, **2017**, 86, 213-217	3.1	29
118	Multifunctional Theranostic Nanoparticles Based on Exceedingly Small Magnetic Iron Oxide Nanoparticles for T-Weighted Magnetic Resonance Imaging and Chemotherapy. *ACS Nano*, **2017**, 11, 10992-11004	16.7	161
117	High-Performance Colorimetric Detection of Thiosulfate by Using Silver Nanoparticles for Smartphone-Based Analysis. *ACS Sensors*, **2017**, 2, 1152-1159	9.2	37
116	Removal of I from Aqueous Solutions Using a Biomass Carbonaceous Aerogel Modified with KH-560. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 7700-7708	8.3	16
115	Magnetic Nanohybrids for Magnetic Resonance Imaging and Phototherapy Applications. *Frontiers in Nanobiomedical Research*, **2017**, 101-149		0
114	Black TiO based core-shell nanocomposites as doxorubicin carriers for thermal imaging guided synergistic therapy of breast cancer. *Nanoscale*, **2017**, 9, 11195-11204	7.7	37

113	Designed graphene-peptide nanocomposites for biosensor applications: A review. *Analytica Chimica Acta*, **2017**, 985, 24-40	6.6	106
112	Iron Oxide Nanoparticle Based Contrast Agents for Magnetic Resonance Imaging. *Molecular Pharmaceutics*, **2017**, 14, 1352-1364	5.6	178
111	Neuropeptide Y Y receptor-mediated biodegradable photoluminescent nanobubbles as ultrasound contrast agents for targeted breast cancer imaging. *Biomaterials*, **2017**, 116, 106-117	15.6	30
110	Layered bismuth oxyhalide nanomaterials for highly efficient tumor photodynamic therapy. *Nanoscale*, **2016**, 8, 12715-22	7.7	38
109	Biomass-Derived Porous Carbonaceous Aerogel as Sorbent for Oil-Spill Remediation. *ACS Applied Materials & Interfaces*, **2016**, 8, 32862-32868	9.5	57
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