

Liang Yan

List of Publications by Year in Descending Order

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

210
papers

25,187
citations

86
h-index

156
g-index

220
ext. papers

28,641
ext. citations

11.4
avg, IF

7.03
L-index

#	Paper	IF	Citations
210	Transformable Gallium-based Liquid Metal Nanoparticles for Tumor Radiotherapy Sensitization.. <i>Advanced Healthcare Materials</i> , 2022 , e2102584	10.1	3
209	Orally administered BiS@SiO core-shell nanomaterials as gastrointestinal contrast agents and their influence on gut microbiota.. <i>Materials Today Bio</i> , 2022 , 13, 100178	9.9	1
208	Combinational application of metal-organic frameworks-based nanozyme and nucleic acid delivery in cancer therapy.. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022 , e1773	9.2	1
207	Precision design of engineered nanomaterials to guide immune systems for disease treatment. <i>Matter</i> , 2022 , 5, 1162-1191	12.7	0
206	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. <i>Nature Communications</i> , 2021 , 12, 6866	17.4	12
205	Toxicity of manufactured nanomaterials. <i>Particuology</i> , 2021 ,	2.8	10
204	PEG-GO@XN nanocomposite suppresses breast cancer metastasis via inhibition of mitochondrial oxidative phosphorylation and blockade of epithelial-to-mesenchymal transition. <i>European Journal of Pharmacology</i> , 2021 , 895, 173866	5.3	3
203	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021 , 15, 3754-3807	16.7	18
202	A bibliometric analysis: Research progress and prospects on transition metal dichalcogenides in the biomedical field. <i>Chinese Chemical Letters</i> , 2021 , 32, 3762-3762	8.1	3
201	Highly Stable Silica-Coated Bismuth Nanoparticles Deliver Tumor Microenvironment-Responsive Prodrugs to Enhance Tumor-Specific Photoradiotherapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11449-11461	16.4	12
200	Fractionated regimen-suitable immunoradiotherapy sensitizer based on ultrasmall Fe ₄ Se ₂ W ₁₈ nanoclusters enable tumor-specific radiosensitization augment and antitumor immunity boost. <i>Nano Today</i> , 2021 , 36, 101003	17.9	10
199	Nanomedicine enables spatiotemporally regulating macrophage-based cancer immunotherapy. <i>Biomaterials</i> , 2021 , 268, 120552	15.6	6
198	A pH-responsive ultrathin Cu-based nanoplatfor for specific photothermal and chemodynamic synergistic therapy. <i>Chemical Science</i> , 2021 , 12, 2594-2603	9.4	26
197	The age of bioinspired molybdenum-involved nanozymes: Synthesis, catalytic mechanisms, and biomedical applications. <i>View</i> , 2021 , 2, 20200188	7.8	16
196	An overview of the use of nanozymes in antibacterial applications. <i>Chemical Engineering Journal</i> , 2021 , 418, 129431	14.7	41
195	X-ray-facilitated redox cycling of nanozyme possessing peroxidase-mimicking activity for reactive oxygen species-enhanced cancer therapy. <i>Biomaterials</i> , 2021 , 276, 121023	15.6	6
194	Plasmonic AuPt@CuS Heterostructure with Enhanced Synergistic Efficacy for Radiophotothermal Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16113-16127	16.4	15

193	Rational Design of Nanomaterials for Various Radiation-Induced Diseases Prevention and Treatment. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001615	10.1	10
192	Reactive Oxygen Species-Regulating Strategies Based on Nanomaterials for Disease Treatment. <i>Advanced Science</i> , 2021 , 8, 2002797	13.6	40
191	Nano-bio interactions: the implication of size-dependent biological effects of nanomaterials. <i>Science China Life Sciences</i> , 2020 , 63, 1168-1182	8.5	24
190	Clinically Approved Carbon Nanoparticles with Oral Administration for Intestinal Radioprotection via Protecting the Small Intestinal Crypt Stem Cells and Maintaining the Balance of Intestinal Flora. <i>Small</i> , 2020 , 16, e1906915	11	23
189	Graphdiyne nanoradioprotector with efficient free radical scavenging ability for mitigating radiation-induced gastrointestinal tract damage. <i>Biomaterials</i> , 2020 , 244, 119940	15.6	25
188	Ultrasmall BiOI Quantum Dots with Efficient Renal Clearance for Enhanced Radiotherapy of Cancer. <i>Advanced Science</i> , 2020 , 7, 1902561	13.6	40
187	BiO Nanosheets as Radiosensitizers with Catalase-Like Activity for Hypoxia Alleviation and Enhancement of the Radiotherapy of Tumors. <i>Inorganic Chemistry</i> , 2020 , 59, 3482-3493	5.1	30
186	A Heterojunction Structured WO-WSe Nanoradiosensitizer Increases Local Tumor Ablation and Checkpoint Blockade Immunotherapy upon Low Radiation Dose. <i>ACS Nano</i> , 2020 , 14, 5400-5416	16.7	55
185	15 Years of Small: Research Trends in Nanosafety. <i>Small</i> , 2020 , 16, e2000980	11	20
184	Layered double hydroxide nanosheets: towards ultrasensitive tumor microenvironment responsive synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1445-1455	7.3	17
183	A BiS@mSiO@Ag nanocomposite for enhanced CT visualization and antibacterial response in the gastrointestinal tract. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 666-676	7.3	3
182	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , 2020 , 10, 757-781	12.1	72
181	Toxicological Evaluation of Graphene-Family Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1993-2006	1.3	27
180	Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. <i>ACS Nano</i> , 2020 , 14, 10001-10017	16.7	38
179	Progress, challenges, and future of nanomedicine. <i>Nano Today</i> , 2020 , 35, 101008	17.9	32
178	Suppressing the Radiation-Induced Corrosion of Bismuth Nanoparticles for Enhanced Synergistic Cancer Radiophototherapy. <i>ACS Nano</i> , 2020 , 14, 13016-13029	16.7	24
177	Glucose-responsive cascaded nanocatalytic reactor with self-modulation of the tumor microenvironment for enhanced chemo-catalytic therapy. <i>Materials Horizons</i> , 2020 , 7, 1834-1844	14.4	36
176	Simultaneous enzyme mimicking and chemical reduction mechanisms for nanoceria as a bio-antioxidant: a catalytic model bridging computations and experiments for nanozymes. <i>Nanoscale</i> , 2019 , 11, 13289-13299	7.7	45

175	Strategies based on metal-based nanoparticles for hypoxic-tumor radiotherapy. <i>Chemical Science</i> , 2019 , 10, 6932-6943	9.4	53
174	Recent advances of stimuli-responsive systems based on transition metal dichalcogenides for smart cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2588-2607	7.3	21
173	Enhanced radiosensitization of ternary CuBiSe nanoparticles by photo-induced hyperthermia in the second near-infrared biological window. <i>Nanoscale</i> , 2019 , 11, 7157-7165	7.7	13
172	Enhanced Generation of Non-Oxygen Dependent Free Radicals by Schottky-type Heterostructures of Au-BiS Nanoparticles via X-ray-Induced Catalytic Reaction for Radiosensitization. <i>ACS Nano</i> , 2019 , 13, 5947-5958	16.7	82
171	Fabrication of CuNCs/LDHs Films with Excellent Luminescent Properties and Exploration of Thermosensitivity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8009-8015	3.9	10
170	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , 2019 , 31, e1805391	24	70
169	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <i>Advanced Materials</i> , 2019 , 31, e1804386	24	71
168	Graphene-Based Smart Platforms for Combined Cancer Therapy. <i>Advanced Materials</i> , 2019 , 31, e1800662	24	156
167	The pharmaceutical multi-activity of metallofullerenol invigorates cancer therapy. <i>Nanoscale</i> , 2019 , 11, 14528-14539	7.7	11
166	A Novel Drug Design Strategy: An Inspiration from Encaging Tumor by Metallofullerenol Gd@C(OH). <i>Molecules</i> , 2019 , 24,	4.8	3
165	Nanomedicine-Based Immunotherapy for the Treatment of Cancer Metastasis. <i>Advanced Materials</i> , 2019 , 31, e1904156	24	76
164	Emerging Delivery Strategies of Carbon Monoxide for Therapeutic Applications: from CO Gas to CO Releasing Nanomaterials. <i>Small</i> , 2019 , 15, e1904382	11	36
163	Clinical Nanomaterials: A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines (Adv. Mater. 45/2019). <i>Advanced Materials</i> , 2019 , 31, 1970325	24	2
162	Tumor Microenvironment-Responsive Cu(OH)PO Nanocrystals for Selective and Controllable Radiosensitization via the X-ray-Triggered Fenton-like Reaction. <i>Nano Letters</i> , 2019 , 19, 1749-1757	11.5	98
161	Efficient Near Infrared Light Triggered Nitric Oxide Release Nanocomposites for Sensitizing Mild Photothermal Therapy. <i>Advanced Science</i> , 2019 , 6, 1801122	13.6	102
160	Translocation, biotransformation-related degradation, and toxicity assessment of polyvinylpyrrolidone-modified 2H-phase nano-MoS. <i>Nanoscale</i> , 2019 , 11, 4767-4780	7.7	28
159	3D halos assembled from FeO/Au NPs with enhanced catalytic and optical properties. <i>Nanoscale</i> , 2019 , 11, 20968-20976	7.7	10
158	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. <i>Advanced Materials</i> , 2019 , 31, e1802244	24	128

157	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1725-1734	16.4	22
156	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. <i>Biomaterials</i> , 2019 , 189, 11-22	15.6	91
155	Nanoparticle Ligand Exchange and Its Effects at the Nanoparticle-Cell Membrane Interface. <i>Nano Letters</i> , 2019 , 19, 8-18	11.5	52
154	Photoluminescence enhancement of silver nanoclusters assembled on the layered double hydroxides and their application to guanine detection. <i>Talanta</i> , 2019 , 193, 161-167	6.2	13
153	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2579-2590	9.5	76
152	Hydrotalcite monolayer toward high performance synergistic dual-modal imaging and cancer therapy. <i>Biomaterials</i> , 2018 , 165, 14-24	15.6	24
151	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8436-8442	9.5	96
150	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , 2018 , 36, 258-264	44.5	702
149	Cu(OH)PO/reduced graphene oxide nanocomposites for enhanced photocatalytic degradation of 2,4-dichlorophenol under infrared light irradiation.. <i>RSC Advances</i> , 2018 , 8, 3611-3618	3.7	14
148	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 487-498	7.3	103
147	Intelligent MoS Nanotheranostic for Targeted and Enzyme-/pH-/NIR-Responsive Drug Delivery To Overcome Cancer Chemotherapy Resistance Guided by PET Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4271-4284	9.5	93
146	Molecular mechanism of Gd@C(OH) increasing collagen expression: Implication for engaging tumor. <i>Biomaterials</i> , 2018 , 152, 24-36	15.6	20
145	Application of Multifunctional Nanomaterials in Radioprotection of Healthy Tissues. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800421	10.1	37
144	Gd@C(OH) harnesses inflammatory regeneration for osteogenesis of mesenchymal stem cells through JNK/STAT3 signaling pathway. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5802-5811	7.3	10
143	Hyaluronic acid modified MPEG-b-PAE block copolymer aqueous micelles for efficient ophthalmic drug delivery of hydrophobic genistein. <i>Drug Delivery</i> , 2018 , 25, 1258-1265	7	27
142	Investigating oxidation state-induced toxicity of PEGylated graphene oxide in ocular tissue using gene expression profiles. <i>Nanotoxicology</i> , 2018 , 12, 819-835	5.3	21
141	Biodegradable MoO nanoparticles with efficient near-infrared photothermal and photodynamic synergetic cancer therapy at the second biological window. <i>Nanoscale</i> , 2018 , 10, 1517-1531	7.7	108
140	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018 , 90, 589-614	4.8	60

139	Fabrication of dual-stimuli responsive films assembled by flavin mononucleotide and layered double hydroxides. <i>Chemical Communications</i> , 2018 , 54, 12590-12593	5.8	3
138	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
137	Functionalized MoS Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. <i>Small</i> , 2018 , 14, e1802290	11	158
136	Free-Floating 2D Nanosheets with a Superlattice Assembled from FeO Nanoparticles for Peroxidase-Mimicking Activity. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5389-5395	5.6	7
135	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF :Ce Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , 2018 , 30, e1804046	24	78
134	Harnessing Tumor Microenvironment for Nanoparticle-Mediated Radiotherapy. <i>Advanced Therapeutics</i> , 2018 , 1, 1800050	4.9	26
133	Biodistribution, excretion, and toxicity of polyethyleneimine modified NaYF:Yb,Er upconversion nanoparticles in mice via different administration routes. <i>Nanoscale</i> , 2017 , 9, 4497-4507	7.7	48
132	Two-dimensional transition metal dichalcogenide nanomaterials for combination cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1873-1895	7.3	87
131	Protein-directed synthesis of Bi ₂ S ₃ nanoparticles as an efficient contrast agent for visualizing the gastrointestinal tract. <i>RSC Advances</i> , 2017 , 7, 17505-17513	3.7	11
130	Design of TPGS-functionalized CuBiS nanocrystals with strong absorption in the second near-infrared window for radiation therapy enhancement. <i>Nanoscale</i> , 2017 , 9, 8229-8239	7.7	57
129	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , 2017 , 11, 4606-4616	16.7	81
128	Polyoxometalate-Based Radiosensitization Platform for Treating Hypoxic Tumors by Attenuating Radioresistance and Enhancing Radiation Response. <i>ACS Nano</i> , 2017 , 11, 7164-7176	16.7	112
127	MoS ₂ -Nanosheet-Assisted Coordination of Metal Ions with Porphyrin for Rapid Detection and Removal of Cadmium Ions in Aqueous Media. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21362-21370	9.5	39
126	Therapeutic Nanoparticles Based on Curcumin and Bamboo Charcoal Nanoparticles for Chemo-Photothermal Synergistic Treatment of Cancer and Radioprotection of Normal Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14281-14291	9.5	55
125	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
124	Au Nanoclusters and Photosensitizer Dual Loaded Spatiotemporal Controllable Liposomal Nanocomposites Enhance Tumor Photodynamic Therapy Effect by Inhibiting Thioredoxin Reductase. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601453	10.1	22
123	Functional tumor imaging based on inorganic nanomaterials. <i>Science China Chemistry</i> , 2017 , 60, 1425-1438	13.9	15
122	Synthesis of BSA-Coated BiOI@Bi ₂ S ₃ Semiconductor Heterojunction Nanoparticles and Their Applications for Radio/Photodynamic/Photothermal Synergistic Therapy of Tumor. <i>Advanced Materials</i> , 2017 , 29, 1704136	24	189

121	Elemental Bismuth@Graphene Heterostructures for Photocatalysis from Ultraviolet to Infrared Light. <i>ACS Catalysis</i> , 2017 , 7, 7043-7050	13.1	49
120	Photothermal Effect Enhanced Cascade-Targeting Strategy for Improved Pancreatic Cancer Therapy by Gold Nanoshell@Mesoporous Silica Nanorod. <i>ACS Nano</i> , 2017 , 11, 8103-8113	16.7	104
119	Poly(Vinylpyrrolidone)- and Selenocysteine-Modified Bi Se Nanoparticles Enhance Radiotherapy Efficacy in Tumors and Promote Radioprotection in Normal Tissues. <i>Advanced Materials</i> , 2017 , 29, 1701268	24	134
118	Metallofullerenol Inhibits Cellular Iron Uptake by Inducing Transferrin Tetramerization. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2646-2651	4.5	5
117	Ultrasmall Superparamagnetic Iron Oxide Nanoparticle for T-Weighted Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28959-28966	9.5	37
116	Design, Synthesis, and Surface Modification of Materials Based on Transition-Metal Dichalcogenides for Biomedical Applications. <i>Small Methods</i> , 2017 , 1, 1700220	12.8	64
115	Gd-Hybridized Plasmonic Au-Nanocomposites Enhanced Tumor-Interior Drug Permeability in Multimodal Imaging-Guided Therapy. <i>Advanced Materials</i> , 2016 , 28, 8950-8958	24	117
114	Imaging Techniques in Nanotoxicology Research 2016 , 121-149		1
113	Functionalized Nano-MoS with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. <i>ACS Nano</i> , 2016 , 10, 11000-11011	16.7	572
112	Co-delivery of doxorubicin and quercetin via mPEGPLGA copolymer assembly for synergistic anti-tumor efficacy and reducing cardio-toxicity. <i>Science Bulletin</i> , 2016 , 61, 1689-1698	10.6	23
111	Gadolinium polytungstate nanoclusters: a new theranostic with ultrasmall size and versatile properties for dual-modal MR/CT imaging and photothermal therapy/radiotherapy of cancer. <i>NPG Asia Materials</i> , 2016 , 8, e273-e273	10.3	63
110	Protein-Nanoreactor-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2016 , 28, 5923-30	24	133
109	Aspect ratios of gold nanoshell capsules mediated melanoma ablation by synergistic photothermal therapy and chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 439-48	6	35
108	One-pot synthesis of PEGylated plasmonic MoO(3-x) hollow nanospheres for photoacoustic imaging guided chemo-photothermal combinational therapy of cancer. <i>Biomaterials</i> , 2016 , 76, 11-24	15.6	149
107	Evaluation of the toxicity of graphene oxide exposure to the eye. <i>Nanotoxicology</i> , 2016 , 10, 1329-40	5.3	52
106	Mesoporous Bamboo Charcoal Nanoparticles as a New Near-Infrared Responsive Drug Carrier for Imaging-Guided Chemotherapy/Photothermal Synergistic Therapy of Tumor. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1627-37	10.1	29
105	In Vivo Toxicity Evaluation of Graphene Oxide in Drosophila Melanogaster After Oral Administration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 7472-7478	1.3	4
104	Transformable Peptide Nanocarriers for Expeditious Drug Release and Effective Cancer Therapy via Cancer-Associated Fibroblast Activation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1050-5	16.4	106

103	Nitric oxide-generating l-cysteine-grafted graphene film as a blood-contacting biomaterial. <i>Biomaterials Science</i> , 2016 , 4, 938-42	7.4	14
102	The polyvinylpyrrolidone functionalized rGO/Bi2S3 nanocomposite as a near-infrared light-responsive nanovehicle for chemo-photothermal therapy of cancer. <i>Nanoscale</i> , 2016 , 8, 11531-42	7.7	59
101	Gd-Metallofullerenol Nanomaterial Suppresses Pancreatic Cancer Metastasis by Inhibiting the Interaction of Histone Deacetylase 1 and Metastasis-Associated Protein 1. <i>ACS Nano</i> , 2015 , 9, 6826-36	16.7	55
100	Silica-coated bismuth sulfide nanorods as multimodal contrast agents for a non-invasive visualization of the gastrointestinal tract. <i>Nanoscale</i> , 2015 , 7, 12581-91	7.7	49
99	Deciphering the underlying mechanisms of oxidation-state dependent cytotoxicity of graphene oxide on mammalian cells. <i>Toxicology Letters</i> , 2015 , 237, 61-71	4.4	83
98	Ultrasmall [(64)Cu]Cu nanoclusters for targeting orthotopic lung tumors using accurate positron emission tomography imaging. <i>ACS Nano</i> , 2015 , 9, 4976-86	16.7	93
97	Enhanced Multifunctional Properties of Graphene Nanocomposites with Nacre-Like Structures. <i>Advanced Engineering Materials</i> , 2015 , 17, 523-531	3.5	13
96	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. <i>Advanced Functional Materials</i> , 2015 , 25, 3049-3056	15.6	161
95	Synchrotron radiation techniques for nanotoxicology. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1531-49	6	23
94	Tungsten Sulfide Quantum Dots as Multifunctional Nanotheranostics for In Vivo Dual-Modal Image-Guided Photothermal/Radiotherapy Synergistic Therapy. <i>ACS Nano</i> , 2015 , 9, 12451-63	16.7	327
93	Protein Corona Influences Cellular Uptake of Gold Nanoparticles by Phagocytic and Nonphagocytic Cells in a Size-Dependent Manner. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20568-75	9.5	191
92	Quantifying the distribution of ceria nanoparticles in cucumber roots: the influence of labeling. <i>RSC Advances</i> , 2015 , 5, 4554-4560	3.7	14
91	Parallel Comparative Studies on Mouse Toxicity of Oxide Nanoparticle- and Gadolinium-Based T1 MRI Contrast Agents. <i>ACS Nano</i> , 2015 , 9, 12425-35	16.7	121
90	TPGS-stabilized NaYbF4:Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. <i>Biomaterials</i> , 2015 , 40, 107-16	15.6	157
89	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <i>Advanced Materials</i> , 2015 , 27, 7692-712	24	199
88	Phytotoxicity, Translocation, and Biotransformation of NaYF4:Er Upconversion Nanoparticles in a Soybean Plant. <i>Small</i> , 2015 , 11, 4774-84	11	38
87	Silver nanoparticles activate endoplasmic reticulum stress signaling pathway in cell and mouse models: The role in toxicity evaluation. <i>Biomaterials</i> , 2015 , 61, 307-15	15.6	97
86	Smart MoS2/Fe3O4 Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. <i>Theranostics</i> , 2015 , 5, 931-45	12.1	196

85	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. <i>ACS Nano</i> , 2015 , 9, 6532-47	16.7	171
84	Near-infrared light remote-controlled intracellular anti-cancer drug delivery using thermo/pH sensitive nanovehicle. <i>Acta Biomaterialia</i> , 2015 , 17, 201-9	10.8	120
83	Bismuth sulfide nanorods as a precision nanomedicine for in vivo multimodal imaging-guided photothermal therapy of tumor. <i>ACS Nano</i> , 2015 , 9, 696-707	16.7	430
82	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , 2015 , 6, 5988	17.4	135
81	Towards understanding of nanoparticle-protein corona. <i>Archives of Toxicology</i> , 2015 , 89, 519-39	5.8	112
80	Nanosurface chemistry and dose govern the bioaccumulation and toxicity of carbon nanotubes, metal nanomaterials and quantum dots in vivo. <i>Science Bulletin</i> , 2015 , 60, 3-20	10.6	85
79	Regulation on mechanical properties of collagen: enhanced bioactivities of metallofullerol. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 783-93	6	11
78	A magnetic graphene hybrid functionalized with beta-cyclodextrins for fast and efficient removal of organic dyes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12296	13	94
77	Biocompatible and flexible graphene oxide/upconversion nanoparticle hybrid film for optical pH sensing. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1576-82	3.6	51
76	Design of multifunctional alkali ion doped CaF ₂ upconversion nanoparticles for simultaneous bioimaging and therapy. <i>Dalton Transactions</i> , 2014 , 43, 3861-70	4.3	29
75	Elimination of photon quenching by a transition layer to fabricate a quenching-shield sandwich structure for 800 nm excited upconversion luminescence of Nd ³⁺ -sensitized nanoparticles. <i>Advanced Materials</i> , 2014 , 26, 2831-7	24	355
74	On-demand generation of singlet oxygen from a smart graphene complex for the photodynamic treatment of cancer cells. <i>Biomaterials Science</i> , 2014 , 2, 1412-1418	7.4	23
73	A simple and efficient synthetic route for preparation of NaYF ₄ upconversion nanoparticles by thermo-decomposition of rare-earth oleates. <i>CrystEngComm</i> , 2014 , 16, 5650-5661	3.3	27
72	Energy metabolism analysis reveals the mechanism of inhibition of breast cancer cell metastasis by PEG-modified graphene oxide nanosheets. <i>Biomaterials</i> , 2014 , 35, 9833-9843	15.6	80
71	WS ₂ nanosheet as a new photosensitizer carrier for combined photodynamic and photothermal therapy of cancer cells. <i>Nanoscale</i> , 2014 , 6, 10394-403	7.7	254
70	Near infrared laser-induced targeted cancer therapy using thermoresponsive polymer encapsulated gold nanorods. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7317-26	16.4	502
69	High-throughput synthesis of single-layer MoS ₂ nanosheets as a near-infrared photothermal-triggered drug delivery for effective cancer therapy. <i>ACS Nano</i> , 2014 , 8, 6922-33	16.7	704
68	One-pot template-free synthesis of NaYF ₄ upconversion hollow nanospheres for bioimaging and drug delivery. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1655-62	4.5	16

67	Multifunctional Rbx WO ₃ nanorods for simultaneous combined chemo-photothermal therapy and photoacoustic/CT imaging. <i>Small</i> , 2014 , 10, 4160-70	11	74
66	Polyhydroxylated metallofullerenols stimulate IL-1 β secretion of macrophage through TLRs/MyD88/NF- κ B pathway and NLRP β inflammasome activation. <i>Small</i> , 2014 , 10, 2362-72	11	80
65	Novel Insights into Combating Cancer Chemotherapy Resistance Using a Plasmonic Nanocarrier: Enhancing Drug Sensitiveness and Accumulation Simultaneously with Localized Mild Photothermal Stimulus of Femtosecond Pulsed Laser. <i>Advanced Functional Materials</i> , 2014 , 24, 4229-4239	15.6	110
64	Recent advances in design and fabrication of upconversion nanoparticles and their safe theranostic applications. <i>Advanced Materials</i> , 2013 , 25, 3758-79	24	400
63	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , 2013 , 42, 8266-303	58.5	88
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