

# Yu-Liang Zhao

## List of Publications by Year in descending order

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352  
papers

40,268  
citations

1368

108  
h-index

2940

189  
g-index

363  
all docs

363  
docs citations

363  
times ranked

39071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity of Carbon Nanomaterials: A Single-Wall Nanotube, Multi-Wall Nanotube, and Fullerene. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1378-1383.	4.6	1,307
2	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , 2018, 36, 258-264.	9.4	1,066
3	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	7.3	976
4	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. <i>Toxicology Letters</i> , 2007, 168, 176-185.	0.4	973
5	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16968-16973.	3.3	839
6	High-Throughput Synthesis of Single-Layer MoS <sub>2</sub> Nanosheets as a Near-Infrared Photothermal-Triggered Drug Delivery for Effective Cancer Therapy. <i>ACS Nano</i> , 2014, 8, 6922-6933.	7.3	813
7	Functionalized Nano-MoS <sub>2</sub> with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. <i>ACS Nano</i> , 2016, 10, 11000-11011.	7.3	812
8	Physicochemical Properties Determine Nanomaterial Cellular Uptake, Transport, and Fate. <i>Accounts of Chemical Research</i> , 2013, 46, 622-631.	7.6	627
9	Understanding the Toxicity of Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2013, 46, 702-713.	7.6	623
10	Surface chemistry and aspect ratio mediated cellular uptake of Au nanorods. <i>Biomaterials</i> , 2010, 31, 7606-7619.	5.7	613
11	Near Infrared Laser-Induced Targeted Cancer Therapy Using Thermoresponsive Polymer Encapsulated Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2014, 136, 7317-7326.	6.6	569
12	Bismuth Sulfide Nanorods as a Precision Nanomedicine for <i>in Vivo</i> Multimodal Imaging-Guided Photothermal Therapy of Tumor. <i>ACS Nano</i> , 2015, 9, 696-707.	7.3	503
13	Experiment on the Synthesis of Element 113 in the Reaction $^{209}\text{Bi}(^{70}\text{Zn},n)^{278}113$ . <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2593-2596.	0.7	479
14	Selective Targeting of Gold Nanorods at the Mitochondria of Cancer Cells: Implications for Cancer Therapy. <i>Nano Letters</i> , 2011, 11, 772-780.	4.5	475
15	Recent Advances in Design and Fabrication of Upconversion Nanoparticles and Their Safe Theranostic Applications. <i>Advanced Materials</i> , 2013, 25, 3758-3779.	11.1	437
16	Metabolism of Nanomaterials <i>in Vivo</i> : Blood Circulation and Organ Clearance. <i>Accounts of Chemical Research</i> , 2013, 46, 761-769.	7.6	424
17	Direct evidence for catalase and peroxidase activities of ferritin- $\text{Pt}$ nanoparticles. <i>Biomaterials</i> , 2011, 32, 1611-1618.	5.7	397
18	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. <i>Biomaterials</i> , 2009, 30, 611-621.	5.7	388

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19	Tungsten Sulfide Quantum Dots as Multifunctional Nanotheranostics for <i>In Vivo</i> Dual-Modal Image-Guided Photothermal/Radiotherapy Synergistic Therapy. ACS Nano, 2015, 9, 12451-12463.	7.3	388
20	Effects of rare earth oxide nanoparticles on root elongation of plants. Chemosphere, 2010, 78, 273-279.	4.2	377
21	Biodistribution of Carbon Single-Wall Carbon Nanotubes in Mice. Journal of Nanoscience and Nanotechnology, 2004, 4, 1019-1024.	0.9	355
22	Size-Dependent Ag <sub>2</sub> S Nanodots for Second Near-Infrared Fluorescence/Photoacoustics Imaging and Simultaneous Photothermal Therapy. ACS Nano, 2017, 11, 1848-1857.	7.3	351
23	Toxicity of zinc oxide nanoparticles to zebrafish embryo: a physicochemical study of toxicity mechanism. Journal of Nanoparticle Research, 2010, 12, 1645-1654.	0.8	348
24	Acute toxicological impact of nano- and submicro-scaled zinc oxide powder on healthy adult mice. Journal of Nanoparticle Research, 2008, 10, 263-276.	0.8	338
25	Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552.	4.2	336
26	Separation of Hydrogen and Nitrogen Gases with Porous Graphene Membrane. Journal of Physical Chemistry C, 2011, 115, 23261-23266.	1.5	335
27	Elimination efficiency of different reagents for the memory effect of mercury using ICP-MS. Journal of Analytical Atomic Spectrometry, 2006, 21, 94-96.	1.6	322
28	Biotransformation of Ceria Nanoparticles in Cucumber Plants. ACS Nano, 2012, 6, 9943-9950.	7.3	319
29	Integration of Nanoassembly Functions for an Effective Delivery Cascade for Cancer Drugs. Advanced Materials, 2014, 26, 7615-7621.	11.1	317
30	Potential neurological lesion after nasal instillation of TiO <sub>2</sub> nanoparticles in the anatase and rutile crystal phases. Toxicology Letters, 2008, 183, 72-80.	0.4	310
31	WS <sub>2</sub> nanosheet as a new photosensitizer carrier for combined photodynamic and photothermal therapy of cancer cells. Nanoscale, 2014, 6, 10394-10403.	2.8	301
32	Surface-Engineered Gold Nanorods: Promising DNA Vaccine Adjuvant for HIV-1 Treatment. Nano Letters, 2012, 12, 2003-2012.	4.5	282
33	Multihydroxylated [Gd@C82(OH) <sub>22</sub> ]n Nanoparticles: Antineoplastic Activity of High Efficiency and Low Toxicity. Nano Letters, 2005, 5, 2050-2057.	4.5	281
34	Smart Albumin@Biomaterialized Nanocomposites for Multimodal Imaging and Photothermal Tumor Ablation. Advanced Materials, 2015, 27, 3874-3882.	11.1	278
35	Functionalized MoS <sub>2</sub> Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. Small, 2018, 14, e1802290.	5.2	259
36	Controlling Assembly of Paired Gold Clusters within Apoferritin Nanoreactor for in Vivo Kidney Targeting and Biomedical Imaging. Journal of the American Chemical Society, 2011, 133, 8617-8624.	6.6	258

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37	Synthesis of BSA@Coated BiO@Bi <sub>2</sub> S <sub>3</sub> Semiconductor Heterojunction Nanoparticles and Their Applications for Radio/Photodynamic/Photothermal Synergistic Therapy of Tumor. <i>Advanced Materials</i> , 2017, 29, 1704136.	11.1	257
38	Reversal of pancreatic desmoplasia by re-educating stellate cells with a tumour microenvironment-activated nanosystem. <i>Nature Communications</i> , 2018, 9, 3390.	5.8	249
39	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. <i>ACS Nano</i> , 2015, 9, 6532-6547.	7.3	246
40	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. <i>Advanced Materials</i> , 2019, 31, e1802244.	11.1	244
41	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <i>Advanced Materials</i> , 2015, 27, 7692-7712.	11.1	243
42	Protein Corona Influences Cellular Uptake of Gold Nanoparticles by Phagocytic and Nonphagocytic Cells in a Size-Dependent Manner. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20568-20575.	4.0	243
43	Revealing the Binding Structure of the Protein Corona on Gold Nanorods Using Synchrotron Radiation-Based Techniques: Understanding the Reduced Damage in Cell Membranes. <i>Journal of the American Chemical Society</i> , 2013, 135, 17359-17368.	6.6	239
44	Broad-Spectrum Antibacterial Activity of Carbon Nanotubes to Human Gut Bacteria. <i>Small</i> , 2013, 9, 2735-2746.	5.2	236
45	Chemistry of carbon nanotubes in biomedical applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 1036-1052.	6.7	235
46	Smart MoS <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. <i>Theranostics</i> , 2015, 5, 931-945.	4.6	234
47	Metallofullerene nanoparticles circumvent tumor resistance to cisplatin by reactivating endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7449-7454.	3.3	233
48	Graphene-Based Smart Platforms for Combined Cancer Therapy. <i>Advanced Materials</i> , 2019, 31, e1800662.	11.1	233
49	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. <i>Journal of Hazardous Materials</i> , 2015, 290, 26-33.	6.5	231
50	Uptake and distribution of ceria nanoparticles in cucumber plants. <i>Metallomics</i> , 2011, 3, 816.	1.0	226
51	Polydopamine as a Biocompatible Multifunctional Nanocarrier for Combined Radioisotope Therapy and Chemotherapy of Cancer. <i>Advanced Functional Materials</i> , 2015, 25, 7327-7336.	7.8	225
52	Localized Electric Field of Plasmonic Nanoplatform Enhanced Photodynamic Tumor Therapy. <i>ACS Nano</i> , 2014, 8, 11529-11542.	7.3	220
53	Full Assessment of Fate and Physiological Behavior of Quantum Dots Utilizing <i>Caenorhabditis elegans</i> as a Model Organism. <i>Nano Letters</i> , 2011, 11, 3174-3183.	4.5	212
54	Chirality of Glutathione Surface Coating Affects the Cytotoxicity of Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5860-5864.	7.2	210

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55	Molecular mechanism of pancreatic tumor metastasis inhibition by Gd@C <sub>82</sub> (OH) <sub>22</sub> and its implication for de novo design of nanomedicine. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15431-15436.	3.3	200
56	A Size-Reducible Nanodrug with an Aggregation-Enhanced Photodynamic Effect for Deep Chemo-Photodynamic Therapy. Angewandte Chemie - International Edition, 2018, 57, 11384-11388.	7.2	196
57	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. Advanced Functional Materials, 2015, 25, 3049-3056.	7.8	194
58	Particokinetics and Extrapulmonary Translocation of Intratracheally Instilled Ferric Oxide Nanoparticles in Rats and the Potential Health Risk Assessment. Toxicological Sciences, 2009, 107, 342-351.	1.4	188
59	The effect of Gd@C <sub>82</sub> (OH) <sub>22</sub> nanoparticles on the release of Th1/Th2 cytokines and induction of TNF- $\alpha$ mediated cellular immunity. Biomaterials, 2009, 30, 3934-3945.	5.7	177
60	Interfacing Engineered Nanoparticles with Biological Systems: Anticipating Adverse Nano-Bio Interactions. Small, 2013, 9, 1573-1584.	5.2	176
61	Protein-Nanoreactor-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. Advanced Materials, 2016, 28, 5923-5930.	11.1	175
62	Nd <sup>3+</sup> -Sensitized Upconversion Metal-Organic Frameworks for Mitochondria-Targeted Amplified Photodynamic Therapy. Angewandte Chemie - International Edition, 2020, 59, 2634-2638.	7.2	175
63	TPGS-stabilized NaYbF <sub>4</sub> :Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. Biomaterials, 2015, 40, 107-116.	5.7	172
64	One-pot synthesis of PEGylated plasmonic MoO <sub>3</sub> ·x hollow nanospheres for photoacoustic imaging guided chemo-photothermal combinational therapy of cancer. Biomaterials, 2016, 76, 11-24.	5.7	171
65	Poly(Vinylpyrrolidone)- and Selenocysteine-Modified Bi <sub>2</sub> Se <sub>3</sub> Nanoparticles Enhance Radiotherapy Efficacy in Tumors and Promote Radioprotection in Normal Tissues. Advanced Materials, 2017, 29, 1701268.	11.1	171
66	Bifunctional Platinated Nanoparticles for Photoinduced Tumor Ablation. Advanced Materials, 2016, 28, 10155-10164.	11.1	170
67	Polyoxometalate-Based Radiosensitization Platform for Treating Hypoxic Tumors by Attenuating Radioresistance and Enhancing Radiation Response. ACS Nano, 2017, 11, 7164-7176.	7.3	168
68	Size-tunable synthesis of lanthanide-doped Gd <sub>2</sub> O <sub>3</sub> nanoparticles and their applications for optical and magnetic resonance imaging. Journal of Materials Chemistry, 2012, 22, 966-974.	6.7	165
69	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. Nature Communications, 2015, 6, 5988.	5.8	164
70	The nano-plasma interface: Implications of the protein corona. Colloids and Surfaces B: Biointerfaces, 2014, 124, 17-24.	2.5	155
71	Comparative toxicity of nanoparticulate/bulk Yb <sub>2</sub> O <sub>3</sub> and YbCl <sub>3</sub> to cucumber ( <i>Cucumis sativus</i> ). Environmental Science & Technology, 2012, 46, 1834-1841.	4.6	153
72	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. Nature Nanotechnology, 2021, 16, 708-716.	15.6	153

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73	Antioxidative function and biodistribution of [Gd@C82(OH)22]n nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , 2006, 71, 872-881.	2.0	152
74	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , 2020, 10, 757-781.	4.6	152
75	Phytotoxicity and biotransformation of La <sub>2</sub> O <sub>3</sub> nanoparticles in a terrestrial plant cucumber ( <i>Cucumis sativus</i> ). <i>Nanotoxicology</i> , 2011, 5, 743-753.	1.6	151
76	Bifunctional Tellurium Nanodots for Photo-Induced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 10012-10024.	7.3	151
77	Engineering Multifunctional DNA Hybrid Nanospheres through Coordination-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1350-1354.	7.2	149
78	Reactive Oxygen Species-Regulating Strategies Based on Nanomaterials for Disease Treatment. <i>Advanced Science</i> , 2021, 8, 2002797.	5.6	149
79	Potent Angiogenesis Inhibition by the Particulate Form of Fullerene Derivatives. <i>ACS Nano</i> , 2010, 4, 2773-2783.	7.3	148
80	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14877-14881.	7.2	148
81	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. <i>Toxicology and Applied Pharmacology</i> , 2008, 230, 364-371.	1.3	145
82	Near-infrared light remote-controlled intracellular anti-cancer drug delivery using thermo/pH sensitive nanovehicle. <i>Acta Biomaterialia</i> , 2015, 17, 201-209.	4.1	145
83	Tumor Microenvironment-Responsive Cu <sub>2</sub> (OH)PO <sub>4</sub> Nanocrystals for Selective and Controllable Radiosensitization via the X-ray-Triggered Fenton-like Reaction. <i>Nano Letters</i> , 2019, 19, 1749-1757.	4.5	142
84	Surface chemistry of gold nanorods: origin of cell membrane damage and cytotoxicity. <i>Nanoscale</i> , 2013, 5, 8384.	2.8	141
85	Influences of Structural Properties on Stability of Fullerenols. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11473-11479.	1.2	139
86	The effects of orally administered Ag, TiO <sub>2</sub> and SiO <sub>2</sub> nanoparticles on gut microbiota composition and colitis induction in mice. <i>NanoImpact</i> , 2017, 8, 80-88.	2.4	139
87	A tumour-selective cascade activatable self-detained system for drug delivery and cancer imaging. <i>Nature Communications</i> , 2019, 10, 4861.	5.8	139
88	Gd-Hybridized Plasmonic Au-Nanocomposites Enhanced Tumor-Interior Drug Permeability in Multimodal Imaging-Guided Therapy. <i>Advanced Materials</i> , 2016, 28, 8950-8958.	11.1	138
89	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF <sub>4</sub> :Ce <sup>3+</sup> Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , 2018, 30, e1804046.	11.1	138
90	Lung deposition and extrapulmonary translocation of nano-ceria after intratracheal instillation. <i>Nanotechnology</i> , 2010, 21, 285103.	1.3	137

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91	Intelligent MoS <sub>2</sub> Nanotheranostic for Targeted and Enzyme-/pH-/NIR-Responsive Drug Delivery To Overcome Cancer Chemotherapy Resistance Guided by PET Imaging. ACS Applied Materials & Interfaces, 2018, 10, 4271-4284.	4.0	137
92	Bifunctional peptides that precisely biomineralize Au clusters and specifically stain cell nuclei. Chemical Communications, 2012, 48, 871-873.	2.2	136
93	Photothermal Effect Enhanced Cascade-Targeting Strategy for Improved Pancreatic Cancer Therapy by Gold Nanoshell@Mesoporous Silica Nanorod. ACS Nano, 2017, 11, 8103-8113.	7.3	135
94	Progress, challenges, and future of nanomedicine. Nano Today, 2020, 35, 101008.	6.2	135
95	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. Biomaterials, 2019, 189, 11-22.	5.7	132
96	[Gd@C <sub>82</sub> (OH) <sub>22</sub> ] <sub>n</sub> Nanoparticles Induce Dendritic Cell Maturation and Activate Th1 Immune Responses. ACS Nano, 2010, 4, 1178-1186.	7.3	131
97	Serial Silver Clusters Biomineralized by One Peptide. ACS Nano, 2011, 5, 8684-8689.	7.3	130
98	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. Advanced Functional Materials, 2014, 24, 4229-4239.	7.8	130
99	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 8436-8442.	4.0	130
100	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15. Journal of Materials Chemistry, 2012, 22, 17019.	6.7	128
101	Enhanced Generation of Non-Oxygen Dependent Free Radicals by Schottky-type Heterostructures of Au@Bi <sub>2</sub> S <sub>3</sub> Nanoparticles via X-ray-Induced Catalytic Reaction for Radiosensitization. ACS Nano, 2019, 13, 5947-5958.	7.3	126
102	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. ACS Nano, 2017, 11, 4606-4616.	7.3	125
103	Walking the line: The fate of nanomaterials at biological barriers. Biomaterials, 2018, 174, 41-53.	5.7	125
104	Lanthanide-doped GdVO <sub>4</sub> upconversion nanophosphors with tunable emissions and their applications for biomedical imaging. Journal of Materials Chemistry, 2012, 22, 6974.	6.7	124
105	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. Advanced Materials, 2019, 31, e1804386.	11.1	124
106	Origin of the different phytotoxicity and biotransformation of cerium and lanthanum oxide nanoparticles in cucumber. Nanotoxicology, 2015, 9, 262-270.	1.6	123
107	Inhibition of Tumor Growth by Endohedral Metallofullerenol Nanoparticles Optimized as Reactive Oxygen Species Scavenger. Molecular Pharmacology, 2008, 74, 1132-1140.	1.0	117
108	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. ACS Applied Materials & Interfaces, 2019, 11, 2579-2590.	4.0	115

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109	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.	5.2	113
110	The contributions of metal impurities and tube structure to the toxicity of carbon nanotube materials. <i>NPG Asia Materials</i> , 2012, 4, e32-e32.	3.8	112
111	Strategies based on metal-based nanoparticles for hypoxic-tumor radiotherapy. <i>Chemical Science</i> , 2019, 10, 6932-6943.	3.7	111
112	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , 2019, 31, e1805391.	11.1	109
113	Bacterial cytoplasmic membranes synergistically enhance the antitumor activity of autologous cancer vaccines. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	109
114	Ultrasmall [ <sup>64</sup> Cu]Cu Nanoclusters for Targeting Orthotopic Lung Tumors Using Accurate Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2015, 9, 4976-4986.	7.3	108
115	Species-specific toxicity of ceria nanoparticles to <i>Lactuca</i> plants. <i>Nanotoxicology</i> , 2015, 9, 1-8.	1.6	106
116	Surface-Functionalized Modified Copper Sulfide Nanoparticles Enhance Checkpoint Blockade Tumor Immunotherapy by Photothermal Therapy and Antigen Capturing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13964-13972.	4.0	105
117	An orthogonally regulatable DNA nanodevice for spatiotemporally controlled biorecognition and tumor treatment. <i>Science Advances</i> , 2020, 6, eaba9381.	4.7	105
118	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , 2013, 42, 8266.	18.7	104
119	A Heterojunction Structured WO <sub>2.9</sub> -WSe <sub>2</sub> Nanoradiosensitizer Increases Local Tumor Ablation and Checkpoint Blockade Immunotherapy upon Low Radiation Dose. <i>ACS Nano</i> , 2020, 14, 5400-5416.	7.3	104
120	Enhanced endosomal/lysosomal escape by distearoyl phosphoethanolamine-polycarboxybetaine lipid for systemic delivery of siRNA. <i>Journal of Controlled Release</i> , 2014, 176, 104-114.	4.8	102
121	Neurotoxicity of low-dose repeatedly intranasal instillation of nano- and submicron-sized ferric oxide particles in mice. <i>Journal of Nanoparticle Research</i> , 2009, 11, 41-53.	0.8	101
122	Gadolinium metallofullerenol nanoparticles inhibit cancer metastasis through matrix metalloproteinase inhibition: imprisoning instead of poisoning cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 136-146.	1.7	101
123	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. <i>Angewandte Chemie</i> , 2019, 131, 15019-15023.	1.6	101
124	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.	2.8	100
125	Self-Assembly of Copper-DNAzyme Nanohybrids for Dual-Catalytic Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14324-14328.	7.2	100
126	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunosorbant Assay of Integrin Expression Level on Cell Membrane. <i>ACS Nano</i> , 2015, 9, 10979-10990.	7.3	99



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127	Combination of tumour-infarction therapy and chemotherapy via the co-delivery of doxorubicin and thrombin encapsulated in tumour-targeted nanoparticles. <i>Nature Biomedical Engineering</i> , 2020, 4, 732-742.	11.6	99
128	TWEEN coated NaYF <sub>4</sub> :Yb,Er/NaYF <sub>4</sub> core/shell upconversion nanoparticles for bioimaging and drug delivery. <i>RSC Advances</i> , 2012, 2, 7037.	1.7	98
129	An Acidic Microenvironment-Driven DNA Nanomachine Enables Specific ATP Imaging in the Extracellular Milieu of Tumor. <i>Advanced Materials</i> , 2019, 31, e1901885.	11.1	97
130	Organelle-Specific Photoactivation of DNA Nanosensors for Precise Profiling of Subcellular Enzymatic Activity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8923-8931.	7.2	97
131	Polyhydroxylated Metallofullerenols Stimulate IL-1 $\beta$ Secretion of Macrophage through TLRs/MyD88/NF- $\kappa$ B Pathway and NLRP3 Inflammasome Activation. <i>Small</i> , 2014, 10, 2362-2372.	5.2	96
132	Shrinkage of pegylated and non-pegylated liposomes in serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 294-300.	2.5	96
133	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.	4.3	96
134	Toxicity of inorganic nanomaterials in biomedical imaging. <i>Biotechnology Advances</i> , 2014, 32, 727-743.	6.0	94
135	Mesoporous NaYbF <sub>4</sub> @NaGdF <sub>4</sub> core-shell up-conversion nanoparticles for targeted drug delivery and multimodal imaging. <i>Biomaterials</i> , 2014, 35, 7666-7678.	5.7	94
136	Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. <i>ACS Nano</i> , 2020, 14, 10001-10017.	7.3	93
137	A high efficient sorption of U(VI) from aqueous solution using amino-functionalized SBA-15. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 803-810.	0.7	92
138	Density Functional Theory-Based Method to Predict the Activities of Nanomaterials as Peroxidase Mimics. <i>ACS Catalysis</i> , 2020, 10, 12657-12665.	5.5	92
139	Ultrasensitive, Multiplex Raman Frequency Shift Immunoassay of Liver Cancer Biomarkers in Physiological Media. <i>ACS Nano</i> , 2016, 10, 871-879.	7.3	91
140	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. <i>Nano Letters</i> , 2019, 19, 4692-4701.	4.5	87
141	Multifunctional WS <sub>2</sub> @Poly(ethylene imine) Nanoplatforms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , 2016, 5, 2776-2787.	3.9	86
142	Design, Synthesis, and Surface Modification of Materials Based on Transition-Metal Dichalcogenides for Biomedical Applications. <i>Small Methods</i> , 2017, 1, 1700220.	4.6	86
143	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2647-2654.	4.0	86
144	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018, 90, 589-614.	3.2	85

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