

# Yu-Liang Zhao

## List of Publications by Citations

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340  
papers

30,876  
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93  
h-index

167  
g-index

363  
ext. papers

35,590  
ext. citations

10.7  
avg, IF

7.25  
L-index

#	Paper	IF	Citations
340	Cytotoxicity of carbon nanomaterials: single-wall nanotube, multi-wall nanotube, and fullerene. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 1378-83	10.3	1191
339	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. <i>Toxicology Letters</i> , <b>2007</b> , 168, 176-85	4.4	861
338	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16968-73	11.5	738
337	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
336	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> , <b>2014</b> , 8, 6922-33	16.7	704
335	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 258-264	44.5	702
334	Functionalized Nano-MoS with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. <i>ACS Nano</i> , <b>2016</b> , 10, 11000-11011	16.7	572
333	Surface chemistry and aspect ratio mediated cellular uptake of Au nanorods. <i>Biomaterials</i> , <b>2010</b> , 31, 7606-10	19	547
332	Understanding the toxicity of carbon nanotubes. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 702-13	24.3	516
331	Near infrared laser-induced targeted cancer therapy using thermoresponsive polymer encapsulated gold nanorods. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7317-26	16.4	502
330	Physicochemical properties determine nanomaterial cellular uptake, transport, and fate. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 622-31	24.3	489
329	Bismuth sulfide nanorods as a precision nanomedicine for in vivo multimodal imaging-guided photothermal therapy of tumor. <i>ACS Nano</i> , <b>2015</b> , 9, 696-707	16.7	430
328	Selective targeting of gold nanorods at the mitochondria of cancer cells: implications for cancer therapy. <i>Nano Letters</i> , <b>2011</b> , 11, 772-80	11.5	413
327	Recent advances in design and fabrication of upconversion nanoparticles and their safe theranostic applications. <i>Advanced Materials</i> , <b>2013</b> , 25, 3758-79	24	400
326	Experiment on the Synthesis of Element 113 in the Reaction $^{209}\text{Bi}(^{70}\text{Zn},n)^{278}\text{113}$ . <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2593-2596	1.5	394
325	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. <i>Biomaterials</i> , <b>2009</b> , 30, 611-21	15.6	337
324	Metabolism of nanomaterials in vivo: blood circulation and organ clearance. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 761-9	24.3	336

323	Tungsten Sulfide Quantum Dots as Multifunctional Nanotheranostics for In Vivo Dual-Modal Image-Guided Photothermal/Radiotherapy Synergistic Therapy. <i>ACS Nano</i> , <b>2015</b> , 9, 12451-63	16.7	327
322	Direct evidence for catalase and peroxidase activities of ferritin-platinum nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 1611-8	15.6	319
321	Effects of rare earth oxide nanoparticles on root elongation of plants. <i>Chemosphere</i> , <b>2010</b> , 78, 273-9	8.4	318
320	Biodistribution of carbon single-wall carbon nanotubes in mice. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2004</b> , 4, 1019-24	1.3	311
319	Separation of Hydrogen and Nitrogen Gases with Porous Graphene Membrane. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 23261-23266	3.8	298
318	Toxicity of zinc oxide nanoparticles to zebrafish embryo: a physicochemical study of toxicity mechanism. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 1645-1654	2.3	297
317	Size-Dependent AgS Nanodots for Second Near-Infrared Fluorescence/Photoacoustics Imaging and Simultaneous Photothermal Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 1848-1857	16.7	283
316	Elimination efficiency of different reagents for the memory effect of mercury using ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2006</b> , 21, 94-96	3.7	283
315	Biotransformation of ceria nanoparticles in cucumber plants. <i>ACS Nano</i> , <b>2012</b> , 6, 9943-50	16.7	282
314	Potential neurological lesion after nasal instillation of TiO <sub>2</sub> nanoparticles in the anatase and rutile crystal phases. <i>Toxicology Letters</i> , <b>2008</b> , 183, 72-80	4.4	279
313	Acute toxicological impact of nano- and submicro-scaled zinc oxide powder on healthy adult mice. <i>Journal of Nanoparticle Research</i> , <b>2008</b> , 10, 263-276	2.3	276
312	Multihydroxylated [Gd@C82(OH) <sub>22</sub> ] <sub>n</sub> nanoparticles: antineoplastic activity of high efficiency and low toxicity. <i>Nano Letters</i> , <b>2005</b> , 5, 2050-7	11.5	256
311	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1503-1552	7.9	256
310	WS <sub>2</sub> nanosheet as a new photosensitizer carrier for combined photodynamic and photothermal therapy of cancer cells. <i>Nanoscale</i> , <b>2014</b> , 6, 10394-403	7.7	254
309	Integration of nanoassembly functions for an effective delivery cascade for cancer drugs. <i>Advanced Materials</i> , <b>2014</b> , 26, 7615-21	24	253
308	Surface-engineered gold nanorods: promising DNA vaccine adjuvant for HIV-1 treatment. <i>Nano Letters</i> , <b>2012</b> , 12, 2003-12	11.5	248
307	Controlling assembly of paired gold clusters within apoferritin nanoreactor for in vivo kidney targeting and biomedical imaging. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8617-24	16.4	239
306	Smart Albumin-Biomineralized Nanocomposites for Multimodal Imaging and Photothermal Tumor Ablation. <i>Advanced Materials</i> , <b>2015</b> , 27, 3874-82	24	233

305	Chemistry of carbon nanotubes in biomedical applications. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1036-1052	211
304	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> , <b>2010</b> , 107, 7449-54	11.5 206
303	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <i>Advanced Materials</i> , <b>2015</b> , 27, 7692-712	24 199
302	Localized electric field of plasmonic nanoplatform enhanced photodynamic tumor therapy. <i>ACS Nano</i> , <b>2014</b> , 8, 11529-42	16.7 198
301	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> , <b>2015</b> , 5, 931-45	12.1 196
300	Uptake and distribution of ceria nanoparticles in cucumber plants. <i>Metallomics</i> , <b>2011</b> , 3, 816-22	4.5 196
299	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 290, 26-33	12.8 193
298	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> , <b>2015</b> , 7, 20568-75	9.5 191
297	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> , <b>2013</b> , 135, 17359-68	16.4 191
296	Synthesis of BSA-Coated BiOI@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> , <b>2017</b> , 29, 1704136	24 189
295	Full assessment of fate and physiological behavior of quantum dots utilizing <i>Caenorhabditis elegans</i> as a model organism. <i>Nano Letters</i> , <b>2011</b> , 11, 3174-83	11.5 188
294	Broad-spectrum antibacterial activity of carbon nanotubes to human gut bacteria. <i>Small</i> , <b>2013</b> , 9, 2735-46	185
293	Chirality of glutathione surface coating affects the cytotoxicity of quantum dots. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5860-4	16.4 184
292	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15431-6	11.5 177
291	Polydopamine as a Biocompatible Multifunctional Nanocarrier for Combined Radioisotope Therapy and Chemotherapy of Cancer. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7327-7336	15.6 175
290	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. <i>ACS Nano</i> , <b>2015</b> , 9, 6532-47	16.7 171
289	Reversal of pancreatic desmoplasia by re-educating stellate cells with a tumour microenvironment-activated nanosystem. <i>Nature Communications</i> , <b>2018</b> , 9, 3390	17.4 166
288	Particokinetics and extrapulmonary translocation of intratracheally instilled ferric oxide nanoparticles in rats and the potential health risk assessment. <i>Toxicological Sciences</i> , <b>2009</b> , 107, 342-51	4.4 163

287	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3049-3056	15.6	161
286	The effect of Gd@C82(OH)22 nanoparticles on the release of Th1/Th2 cytokines and induction of TNF-alpha mediated cellular immunity. <i>Biomaterials</i> , <b>2009</b> , 30, 3934-45	15.6	159
285	Functionalized MoS Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. <i>Small</i> , <b>2018</b> , 14, e1802290	11	158
284	TPGS-stabilized NaYbF4:Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. <i>Biomaterials</i> , <b>2015</b> , 40, 107-16	15.6	157
283	Graphene-Based Smart Platforms for Combined Cancer Therapy. <i>Advanced Materials</i> , <b>2019</b> , 31, e18006624		156
282	Size-tunable synthesis of lanthanide-doped Gd2O3 nanoparticles and their applications for optical and magnetic resonance imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 966-974		154
281	Interfacing engineered nanoparticles with biological systems: anticipating adverse nano-bio interactions. <i>Small</i> , <b>2013</b> , 9, 1573-84	11	154
280	One-pot synthesis of PEGylated plasmonic MoO(3-x) hollow nanospheres for photoacoustic imaging guided chemo-photothermal combinational therapy of cancer. <i>Biomaterials</i> , <b>2016</b> , 76, 11-24	15.6	149
279	A Size-Reducible Nanodrug with an Aggregation-Enhanced Photodynamic Effect for Deep Chemo-Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11384-11388	16.4	148
278	Comparative toxicity of nanoparticulate/bulk YbO <sub>3</sub> and YbCl <sub>3</sub> to cucumber ( <i>Cucumis sativus</i> ). <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1834-41	10.3	140
277	Bifunctional Platinated Nanoparticles for Photoinduced Tumor Ablation. <i>Advanced Materials</i> , <b>2016</b> , 28, 10155-10164	24	140
276	Antioxidative function and biodistribution of [Gd@C82(OH)22] <sub>n</sub> nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , <b>2006</b> , 71, 872-81	6	138
275	The nano-plasma interface: Implications of the protein corona. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 124, 17-24	6	135
274	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , <b>2015</b> , 6, 5988	17.4	135
273	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 230, 364-71	4.6	135
272	Poly(Vinylpyrrolidone)- and Selenocysteine-Modified Bi Se Nanoparticles Enhance Radiotherapy Efficacy in Tumors and Promote Radioprotection in Normal Tissues. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701268	24	134
271	Potent angiogenesis inhibition by the particulate form of fullerene derivatives. <i>ACS Nano</i> , <b>2010</b> , 4, 2773-837	8.7	134
270	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> , <b>2011</b> , 5, 743-53	5.3	134

269	Protein-Nanoreactor-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. <i>Advanced Materials</i> , <b>2016</b> , 28, 5923-30	24	133
268	Influences of Structural Properties on Stability of Fullerenols. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 11473-11479	3.4	130
267	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. <i>Advanced Materials</i> , <b>2019</b> , 31, e1802244	24	128
266	Bifunctional peptides that precisely biomineralize Au clusters and specifically stain cell nuclei. <i>Chemical Communications</i> , <b>2012</b> , 48, 871-3	5.8	124
265	Lung deposition and extrapulmonary translocation of nano-ceria after intratracheal instillation. <i>Nanotechnology</i> , <b>2010</b> , 21, 285103	3.4	123
264	Near-infrared light remote-controlled intracellular anti-cancer drug delivery using thermo/pH sensitive nanovehicle. <i>Acta Biomaterialia</i> , <b>2015</b> , 17, 201-9	10.8	120
263	Serial silver clusters biomineralized by one peptide. <i>ACS Nano</i> , <b>2011</b> , 5, 8684-9	16.7	119
262	Gd-Hybridized Plasmonic Au-Nanocomposites Enhanced Tumor-Interior Drug Permeability in Multimodal Imaging-Guided Therapy. <i>Advanced Materials</i> , <b>2016</b> , 28, 8950-8958	24	117
261	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17019		116
260	[Gd@C(82)(OH)(22)](n) nanoparticles induce dendritic cell maturation and activate Th1 immune responses. <i>ACS Nano</i> , <b>2010</b> , 4, 1178-86	16.7	116
259	Lanthanide-doped GdVO <sub>4</sub> upconversion nanophosphors with tunable emissions and their applications for biomedical imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6974		114
258	Polyoxometalate-Based Radiosensitization Platform for Treating Hypoxic Tumors by Attenuating Radioresistance and Enhancing Radiation Response. <i>ACS Nano</i> , <b>2017</b> , 11, 7164-7176	16.7	112
257	Bifunctional Tellurium Nanodots for Photo-Induced Synergistic Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 10012-10024	16.7	112
256	Surface chemistry of gold nanorods: origin of cell membrane damage and cytotoxicity. <i>Nanoscale</i> , <b>2013</b> , 5, 8384-91	7.7	112
255	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> , <b>2014</b> , 24, 4229-4239	15.6	110
254	Inhibition of tumor growth by endohedral metallofullerenol nanoparticles optimized as reactive oxygen species scavenger. <i>Molecular Pharmacology</i> , <b>2008</b> , 74, 1132-40	4.3	109
253	Photothermal Effect Enhanced Cascade-Targeting Strategy for Improved Pancreatic Cancer Therapy by Gold Nanoshell@Mesoporous Silica Nanorod. <i>ACS Nano</i> , <b>2017</b> , 11, 8103-8113	16.7	104
252	Origin of the different phytotoxicity and biotransformation of cerium and lanthanum oxide nanoparticles in cucumber. <i>Nanotoxicology</i> , <b>2015</b> , 9, 262-70	5.3	102

251	Nd -Sensitized Upconversion Metal-Organic Frameworks for Mitochondria-Targeted Amplified Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2634-2638	16.4	99
250	Tumor Microenvironment-Responsive Cu(OH)PO Nanocrystals for Selective and Controllable Radiosensitization via the X-ray-Triggered Fenton-like Reaction. <i>Nano Letters</i> , <b>2019</b> , 19, 1749-1757	11.5	98
249	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8436-8442	9.5	96
248	A magnetic graphene hybrid functionalized with beta-cyclodextrins for fast and efficient removal of organic dyes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12296	13	94
247	Ultrasmall [(64)Cu]Cu nanoclusters for targeting orthotopic lung tumors using accurate positron emission tomography imaging. <i>ACS Nano</i> , <b>2015</b> , 9, 4976-86	16.7	93
246	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 &amp; Interfaces</i> , <b>2018</b> , 10, 4271-4284	9.5	93
245	Walking the line: The fate of nanomaterials at biological barriers. <i>Biomaterials</i> , <b>2018</b> , 174, 41-53	15.6	93
244	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> , <b>2017</b> , 8, 80-88	5.6	93
243	Neurotoxicity of low-dose repeatedly intranasal instillation of nano- and submicron-sized ferric oxide particles in mice. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 41-53	2.3	92
242	Species-specific toxicity of ceria nanoparticles to Lactuca plants. <i>Nanotoxicology</i> , <b>2015</b> , 9, 1-8	5.3	91
241	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. <i>Biomaterials</i> , <b>2019</b> , 189, 11-22	15.6	91
240	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14877-14881	16.4	89
239	The contributions of metal impurities and tube structure to the toxicity of carbon nanotube materials. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e32-e32	10.3	89
238	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 8266-303	58.5	88
237	Engineering Multifunctional DNA Hybrid Nanospheres through Coordination-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1350-1354	16.4	88
236	Enhanced endosomal/lysosomal escape by distearoyl phosphoethanolamine-polycarboxybetaine lipid for systemic delivery of siRNA. <i>Journal of Controlled Release</i> , <b>2014</b> , 176, 104-14	11.7	86
235	Gadolinium metallofullerenol nanoparticles inhibit cancer metastasis through matrix metalloproteinase inhibition: imprisoning instead of poisoning cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2012</b> , 8, 136-46	6	86
234	Nanosurface chemistry and dose govern the bioaccumulation and toxicity of carbon nanotubes, metal nanomaterials and quantum dots in vivo. <i>Science Bulletin</i> , <b>2015</b> , 60, 3-20	10.6	85

233	A tumour-selective cascade activatable self-detained system for drug delivery and cancer imaging. <i>Nature Communications</i> , <b>2019</b> , 10, 4861	17.4	85
232	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunsorbant Assay of Integrin Expression Level on Cell Membrane. <i>ACS Nano</i> , <b>2015</b> , 9, 10979-90	16.7	84
231	Mesoporous NaYbF <sub>4</sub> @NaGdF <sub>4</sub> core-shell up-conversion nanoparticles for targeted drug delivery and multimodal imaging. <i>Biomaterials</i> , <b>2014</b> , 35, 7666-78	15.6	84
230	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> , <b>2019</b> , 13, 5947-5958	16.7	82
229	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , <b>2017</b> , 11, 4606-4616	16.7	81
228	Polyhydroxylated metallofullerenols stimulate IL-1 $\beta$ secretion of macrophage through TLRs/MyD88/NF- $\kappa$ B pathway and NLRP3 inflammasome activation. <i>Small</i> , <b>2014</b> , 10, 2362-72	11	80
227	Shrinkage of pegylated and non-pegylated liposomes in serum. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 294-300	6	79
226	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> , <b>2012</b> , 2, 7037	3.7	79
225	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF <sub>4</sub> :Ce Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804046	24	78
224	Ultrasensitive, Multiplex Raman Frequency Shift Immunoassay of Liver Cancer Biomarkers in Physiological Media. <i>ACS Nano</i> , <b>2016</b> , 10, 871-9	16.7	77
223	Toxicity of inorganic nanomaterials in biomedical imaging. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 727-43	17.8	77
222	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2579-2590	9.5	76
221	Where Does the Transformation of Precipitated Ceria Nanoparticles in Hydroponic Plants Take Place?. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10667-74	10.3	74
220	A high efficient sorption of U(VI) from aqueous solution using amino-functionalized SBA-15. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2012</b> , 292, 803-810	1.5	74
219	Transformation of ceria nanoparticles in cucumber plants is influenced by phosphate. <i>Environmental Pollution</i> , <b>2015</b> , 198, 8-14	9.3	73
218	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , <b>2020</b> , 10, 757-781	12.1	72
217	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804386	24	71
216	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805391	24	70



215	Mapping technique for biodistribution of elements in a model organism, <i>Caenorhabditis elegans</i> , after exposure to copper nanoparticles with microbeam synchrotron radiation X-ray fluorescence. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1121	3.7	66
214	Multifunctional WS @Poly(ethylene imine) Nanoplatfoms for Imaging Guided Gene-Photothermal Synergistic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2776-2787	10.1	65
213	Surface-Functionalized Modified Copper Sulfide Nanoparticles Enhance Checkpoint Blockade Tumor Immunotherapy by Photothermal Therapy and Antigen Capturing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13964-13972	9.5	64
212	Design, Synthesis, and Surface Modification of Materials Based on Transition-Metal Dichalcogenides for Biomedical Applications. <i>Small Methods</i> , <b>2017</b> , 1, 1700220	12.8	64
211	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> , <b>2016</b> , 8, e273-e273	10.3	63
210	Mesoporous silica SBA-15 functionalized with phosphonate and amino groups for uranium uptake. <i>Science China Chemistry</i> , <b>2012</b> , 55, 1705-1711	7.9	63
209	Biological characterizations of [Gd@C82(OH)22]n nanoparticles as fullerene derivatives for cancer therapy. <i>Integrative Biology (United Kingdom)</i> , <b>2013</b> , 5, 43-7	3.7	60
208	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 589-614	14.8	60
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