Yuliang Zhao

List of Publications by Citations

491 papers	43,308 citations	111 h-index	190 g-index
520 ext. papers	49,128 ext. citations	10.1 avg, IF	7.54 L-index

#	Paper	IF	Citations
491	Cytotoxicity of carbon nanomaterials: single-wall nanotube, multi-wall nanotube, and fullerene. *Environmental Science & Technology*, **2005**, 39, 1378-83	10.3	1191
490	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. *Toxicology Letters*, **2007**, 168, 176-85	4.4	861
489	Cellular uptake, intracellular trafficking, and cytotoxicity of nanomaterials. *Small*, **2011**, 7, 1322-37	11	823
488	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 16968-73	11.5	738
487	Diverse Applications of Nanomedicine. *ACS Nano*, **2017**, 11, 2313-2381	16.7	714
486	High-throughput synthesis of single-layer MoS2 nanosheets as a near-infrared photothermal-triggered drug delivery for effective cancer therapy. *ACS Nano*, **2014**, 8, 6922-33	16.7	704
485	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. *Nature Biotechnology*, **2018**, 36, 258-264	44.5	702
484	Acute toxicological effects of copper nanoparticles in vivo. *Toxicology Letters*, **2006**, 163, 109-20	4.4	691
483	Mn2+ dopant-controlled synthesis of NaYF4:Yb/Er upconversion nanoparticles for in vivo imaging and drug delivery. *Advanced Materials*, **2012**, 24, 1226-31	24	690
482	Functionalized Nano-MoS with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. *ACS Nano*, **2016**, 10, 11000-11011	16.7	572
481	Surface chemistry and aspect ratio mediated cellular uptake of Au nanorods. *Biomaterials*, **2010**, 31, 7606-19	8.5	547
480	Understanding the toxicity of carbon nanotubes. *Accounts of Chemical Research*, **2013**, 46, 702-13	24.3	516
479	Near infrared laser-induced targeted cancer therapy using thermoresponsive polymer encapsulated gold nanorods. *Journal of the American Chemical Society*, **2014**, 136, 7317-26	16.4	502
478	Physicochemical properties determine nanomaterial cellular uptake, transport, and fate. *Accounts of Chemical Research*, **2013**, 46, 622-31	24.3	489
477	Gold nanoparticles induce autophagosome accumulation through size-dependent nanoparticle uptake and lysosome impairment. *ACS Nano*, **2011**, 5, 8629-39	16.7	450
476	Chemistry and physics of a single atomic layer: strategies and challenges for functionalization of graphene and graphene-based materials. *Chemical Society Reviews*, **2012**, 41, 97-114	58.5	432
475	Bismuth sulfide nanorods as a precision nanomedicine for in vivo multimodal imaging-guided photothermal therapy of tumor. *ACS Nano*, **2015**, 9, 696-707	16.7	430

474	Selective targeting of gold nanorods at the mitochondria of cancer cells: implications for cancer therapy. *Nano Letters*, **2011**, 11, 772-80	11.5	413
473	Recent advances in design and fabrication of upconversion nanoparticles and their safe theranostic applications. *Advanced Materials*, **2013**, 25, 3758-79	24	400
472	Elimination of photon quenching by a transition layer to fabricate a quenching-shield sandwich structure for 800 nm excited upconversion luminescence of Nd3+-sensitized nanoparticles. *Advanced Materials*, **2014**, 26, 2831-7	24	355
471	Time-dependent translocation and potential impairment on central nervous system by intranasally instilled TiO(2) nanoparticles. *Toxicology*, **2008**, 254, 82-90	4.4	341
470	Enhanced gene delivery and siRNA silencing by gold nanoparticles coated with charge-reversal polyelectrolyte. *ACS Nano*, **2010**, 4, 5505-11	16.7	340
469	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. *Biomaterials*, **2009**, 30, 611-21	15.6	337
468	Metabolism of nanomaterials in vivo: blood circulation and organ clearance. *Accounts of Chemical Research*, **2013**, 46, 761-9	24.3	336
467	Tungsten Sulfide Quantum Dots as Multifunctional Nanotheranostics for In Vivo Dual-Modal Image-Guided Photothermal/Radiotherapy Synergistic Therapy. *ACS Nano*, **2015**, 9, 12451-63	16.7	327
466	Direct evidence for catalase and peroxidase activities of ferritin-platinum nanoparticles. *Biomaterials*, **2011**, 32, 1611-8	15.6	319
465	Effects of rare earth oxide nanoparticles on root elongation of plants. *Chemosphere*, **2010**, 78, 273-9	8.4	318
464	Biodistribution of carbon single-wall carbon nanotubes in mice. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 1019-24	1.3	311
463	Toxicity of zinc oxide nanoparticles to zebrafish embryo: a physicochemical study of toxicity mechanism. *Journal of Nanoparticle Research*, **2010**, 12, 1645-1654	2.3	297
462	Size-Dependent AgS Nanodots for Second Near-Infrared Fluorescence/Photoacoustics Imaging and Simultaneous Photothermal Therapy. *ACS Nano*, **2017**, 11, 1848-1857	16.7	283
461	Elimination efficiency of different reagents for the memory effect of mercury using ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2006**, 21, 94-96	3.7	283
460	Biotransformation of ceria nanoparticles in cucumber plants. *ACS Nano*, **2012**, 6, 9943-50	16.7	282
459	Potential neurological lesion after nasal instillation of TiO(2) nanoparticles in the anatase and rutile crystal phases. *Toxicology Letters*, **2008**, 183, 72-80	4.4	279
458	Acute toxicological impact of nano- and submicro-scaled zinc oxide powder on healthy adult mice. *Journal of Nanoparticle Research*, **2008**, 10, 263-276	2.3	276
457	Safety of Nanoparticles in Medicine. *Current Drug Targets*, **2015**, 16, 1671-81	3	260

456	Multihydroxylated [Gd@C82(OH)22]n nanoparticles: antineoplastic activity of high efficiency and low toxicity. *Nano Letters*, **2005**, 5, 2050-7	11.5	256
455	Precise nanomedicine for intelligent therapy of cancer. *Science China Chemistry*, **2018**, 61, 1503-1552	7.9	256
454	WS2 nanosheet as a new photosensitizer carrier for combined photodynamic and photothermal therapy of cancer cells. *Nanoscale*, **2014**, 6, 10394-403	7.7	254
453	Integration of nanoassembly functions for an effective delivery cascade for cancer drugs. *Advanced Materials*, **2014**, 26, 7615-21	24	253
452	Surface-engineered gold nanorods: promising DNA vaccine adjuvant for HIV-1 treatment. *Nano Letters*, **2012**, 12, 2003-12	11.5	248
451	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, 8617-24	16.4	239
450	Smart Albumin-Biomineralized Nanocomposites for Multimodal Imaging and Photothermal Tumor Ablation. *Advanced Materials*, **2015**, 27, 3874-82	24	233
449	Low-toxic and safe nanomaterials by surface-chemical design, carbon nanotubes, fullerenes, metallofullerenes, and graphenes. *Nanoscale*, **2011**, 3, 362-82	7.7	233
448	Theranostic nanoparticles engineered for clinic and pharmaceutics. *Accounts of Chemical Research*, **2011**, 44, 1114-22	24.3	228
447	Nano-CeO2 exhibits adverse effects at environmental relevant concentrations. *Environmental Science & Technology*, **2011**, 45, 3725-30	10.3	225
446	Circumventing tumor resistance to chemotherapy by nanotechnology. *Methods in Molecular Biology* , **2010**, 596, 467-88	1.4	222
445	Chemistry of carbon nanotubes in biomedical applications. *Journal of Materials Chemistry*, **2010**, 20, 1036-1052		211
444	Ultrahigh reactivity provokes nanotoxicity: explanation of oral toxicity of nano-copper particles. *Toxicology Letters*, **2007**, 175, 102-10	4.4	210
443	Metallofullerene nanoparticles circumvent tumor resistance to cisplatin by reactivating endocytosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7449-54	11.5	206
442	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. *Advanced Materials*, **2015**, 27, 7692-712	24	199
441	Localized electric field of plasmonic nanoplatform enhanced photodynamic tumor therapy. *ACS Nano*, **2014**, 8, 11529-42	16.7	198
440	Unraveling stress-induced toxicity properties of graphene oxide and the underlying mechanism. *Advanced Materials*, **2012**, 24, 5391-7	24	197
439	Smart MoS2/Fe3O4 Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. *Theranostics*, **2015**, 5, 931-45	12.1	196

438	Uptake and distribution of ceria nanoparticles in cucumber plants. *Metallomics*, **2011**, 3, 816-22	4.5	196
437	Protein Corona Influences Cellular Uptake of Gold Nanoparticles by Phagocytic and Nonphagocytic Cells in a Size-Dependent Manner. *ACS Applied Materials & Interfaces*, **2015**, 7, 20568-75	9.5	191
436	Revealing the binding structure of the protein corona on gold nanorods using synchrotron radiation-based techniques: understanding the reduced damage in cell membranes. *Journal of the American Chemical Society*, **2013**, 135, 17359-68	16.4	191
435	Synthesis of BSA-Coated BiOI@Bi S Semiconductor Heterojunction Nanoparticles and Their Applications for Radio/Photodynamic/Photothermal Synergistic Therapy of Tumor. *Advanced Materials*, **2017**, 29, 1704136	24	189
434	Full assessment of fate and physiological behavior of quantum dots utilizing Caenorhabditis elegans as a model organism. *Nano Letters*, **2011**, 11, 3174-83	11.5	188
433	Endoplasmic reticulum stress induced by zinc oxide nanoparticles is an earlier biomarker for nanotoxicological evaluation. *ACS Nano*, **2014**, 8, 2562-74	16.7	185
432	Broad-spectrum antibacterial activity of carbon nanotubes to human gut bacteria. *Small*, **2013**, 9, 2735-46	11	185
431	Chirality of glutathione surface coating affects the cytotoxicity of quantum dots. *Angewandte Chemie - International Edition*, **2011**, 50, 5860-4	16.4	184
430	Highly sensitive and selective DNA-based detection of mercury(II) with α-hemolysin nanopore. *Journal of the American Chemical Society*, **2011**, 133, 18312-7	16.4	182
429	Molecular mechanism of pancreatic tumor metastasis inhibition by Gd@C82(OH)22 and its implication for de novo design of nanomedicine. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15431-6	11.5	177
428	Polydopamine as a Biocompatible Multifunctional Nanocarrier for Combined Radioisotope Therapy and Chemotherapy of Cancer. *Advanced Functional Materials*, **2015**, 25, 7327-7336	15.6	175
427	Characterization and preliminary toxicity assay of nano-titanium dioxide additive in sugar-coated chewing gum. *Small*, **2013**, 9, 1765-74	11	173
426	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. *ACS Nano*, **2015**, 9, 6532-47	16.7	171
425	Reversal of pancreatic desmoplasia by re-educating stellate cells with a tumour microenvironment-activated nanosystem. *Nature Communications*, **2018**, 9, 3390	17.4	166
424	Red-emitting upconverting nanoparticles for photodynamic therapy in cancer cells under near-infrared excitation. *Small*, **2013**, 9, 1929-38, 1928	11	163
423	Development of a mild mercaptoethanol extraction method for determination of mercury species in biological samples by HPLC-ICP-MS. *Talanta*, **2007**, 71, 2034-9	6.2	163
422	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. *Advanced Functional Materials*, **2015**, 25, 3049-3056	15.6	161
421	Facile Fabrication of Rare-Earth-Doped Gd2O3 Hollow Spheres with Upconversion Luminescence, Magnetic Resonance, and Drug Delivery Properties. *Journal of Physical Chemistry C*, **2011**, 115, 23790-23796	3.8	159

420	The effect of Gd@C82(OH)22 nanoparticles on the release of Th1/Th2 cytokines and induction of TNF-alpha mediated cellular immunity. *Biomaterials*, **2009**, 30, 3934-45	15.6	159
419	Functionalized MoS Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. *Small*, **2018**, 14, e1802290	11	158
418	TPGS-stabilized NaYbF4:Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. *Biomaterials*, **2015**, 40, 107-16	15.6	157
417	Graphene-Based Smart Platforms for Combined Cancer Therapy. *Advanced Materials*, **2019**, 31, e1800662	24	156
416	Size-tunable synthesis of lanthanide-doped Gd2O3 nanoparticles and their applications for optical and magnetic resonance imaging. *Journal of Materials Chemistry*, **2012**, 22, 966-974		154
415	Interfacing engineered nanoparticles with biological systems: anticipating adverse nano-bio interactions. *Small*, **2013**, 9, 1573-84	11	154
414	One-pot synthesis of PEGylated plasmonic MoO(3-x) hollow nanospheres for photoacoustic imaging guided chemo-photothermal combinational therapy of cancer. *Biomaterials*, **2016**, 76, 11-24	15.6	149
413	A Size-Reducible Nanodrug with an Aggregation-Enhanced Photodynamic Effect for Deep Chemo-Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2018**, 57, 11384-11388	16.4	148
412	Enhanced red emission from GdF3:Yb3+,Er3+ upconversion nanocrystals by Li+ doping and their application for bioimaging. *Chemistry - A European Journal*, **2012**, 18, 9239-45	4.8	148
411	Acquired superoxide-scavenging ability of ceria nanoparticles. *Angewandte Chemie - International Edition*, **2015**, 54, 1832-5	16.4	143
410	Comparative toxicity of nanoparticulate/bulk YbO and YbCl to cucumber (Cucumis sativus). *Environmental Science & Technology*, **2012**, 46, 1834-41	10.3	140
409	Bifunctional Platinated Nanoparticles for Photoinduced Tumor Ablation. *Advanced Materials*, **2016**, 28, 10155-10164	24	140
408	Antioxidative function and biodistribution of [Gd@C82(OH)22]n nanoparticles in tumor-bearing mice. *Biochemical Pharmacology*, **2006**, 71, 872-81	6	138
407	The nano-plasma interface: Implications of the protein corona. *Colloids and Surfaces B: Biointerfaces* , **2014**, 124, 17-24	6	135
406	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. *Nature Communications*, **2015**, 6, 5988	17.4	135
405	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. *Toxicology and Applied Pharmacology*, **2008**, 230, 364-71	4.6	135
404	Poly(Vinylpyrollidone)- and Selenocysteine-Modified Bi Se Nanoparticles Enhance Radiotherapy Efficacy in Tumors and Promote Radioprotection in Normal Tissues. *Advanced Materials*, **2017**, 29, 1701268	24	134
403	Potent angiogenesis inhibition by the particulate form of fullerene derivatives. *ACS Nano*, **2010**, 4, 2773-83	13.7	134

402	Phytotoxicity and biotransformation of La□□anoparticles in a terrestrial plant cucumber (Cucumis sativus). *Nanotoxicology*, **2011**, 5, 743-53	5.3	134
401	Protein-Nanoreactor-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. *Advanced Materials*, **2016**, 28, 5923-30	24	133
400	Influences of Structural Properties on Stability of Fullerenols. *Journal of Physical Chemistry B*, **2004**, 108, 11473-11479	3.4	130
399	Intracellular dynamics of cationic and anionic polystyrene nanoparticles without direct interaction with mitotic spindle and chromosomes. *Biomaterials*, **2011**, 32, 8291-303	15.6	128
398	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. *Advanced Materials*, **2019**, 31, e1802244	24	128
397	Bifunctional peptides that precisely biomineralize Au clusters and specifically stain cell nuclei. *Chemical Communications*, **2012**, 48, 871-3	5.8	124
396	Rational Design of Conjugated Photosensitizers with Controllable Photoconversion for Dually Cooperative Phototherapy. *Advanced Materials*, **2018**, 30, e1801216	24	123
395	Lung deposition and extrapulmonary translocation of nano-ceria after intratracheal instillation. *Nanotechnology*, **2010**, 21, 285103	3.4	123
394	Parallel Comparative Studies on Mouse Toxicity of Oxide Nanoparticle- and Gadolinium-Based T1 MRI Contrast Agents. *ACS Nano*, **2015**, 9, 12425-35	16.7	121
393	Near-infrared light remote-controlled intracellular anti-cancer drug delivery using thermo/pH sensitive nanovehicle. *Acta Biomaterialia*, **2015**, 17, 201-9	10.8	120
392	Serial silver clusters biomineralized by one peptide. *ACS Nano*, **2011**, 5, 8684-9	16.7	119
391	Gd-Hybridized Plasmonic Au-Nanocomposites Enhanced Tumor-Interior Drug Permeability in Multimodal Imaging-Guided Therapy. *Advanced Materials*, **2016**, 28, 8950-8958	24	117
390	Neurotoxicological consequence of long-term exposure to lanthanum. *Toxicology Letters*, **2006**, 165, 112-20	4.4	117
389	[Gd@C(82)(OH)(22)](n) nanoparticles induce dendritic cell maturation and activate Th1 immune responses. *ACS Nano*, **2010**, 4, 1178-86	16.7	116
388	Lanthanide-doped GdVO4 upconversion nanophosphors with tunable emissions and their applications for biomedical imaging. *Journal of Materials Chemistry*, **2012**, 22, 6974		114
387	Quantitative analysis of metal impurities in carbon nanotubes: efficacy of different pretreatment protocols for ICPMS spectroscopy. *Analytical Chemistry*, **2008**, 80, 9426-34	7.8	114
386	Interactions between proteins and carbon-based nanoparticles: exploring the origin of nanotoxicity at the molecular level. *Small*, **2013**, 9, 1546-56	11	113
385	Polyoxometalate-Based Radiosensitization Platform for Treating Hypoxic Tumors by Attenuating Radioresistance and Enhancing Radiation Response. *ACS Nano*, **2017**, 11, 7164-7176	16.7	112

384	Bifunctional Tellurium Nanodots for Photo-Induced Synergistic Cancer Therapy. *ACS Nano*, **2017**, 11, 10012-10024	16.7	112
383	Surface chemistry of gold nanorods: origin of cell membrane damage and cytotoxicity. *Nanoscale*, **2013**, 5, 8384-91	7.7	112
382	Towards understanding of nanoparticle-protein corona. *Archives of Toxicology*, **2015**, 89, 519-39	5.8	112
381	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	15.6	110
380	Age-related differences in pulmonary and cardiovascular responses to SiO2 nanoparticle inhalation: nanotoxicity has susceptible population. *Environmental Science & Technology*, **2008**, 42, 8985-92	10.3	109
379	Inhibition of tumor growth by endohedral metallofullerenol nanoparticles optimized as reactive oxygen species scavenger. *Molecular Pharmacology*, **2008**, 74, 1132-40	4.3	109
378	Biodegradable MoO nanoparticles with efficient near-infrared photothermal and photodynamic synergetic cancer therapy at the second biological window. *Nanoscale*, **2018**, 10, 1517-1531	7.7	108
377	Physicochemical Origin for Free Radical Generation of Iron Oxide Nanoparticles in Biomicroenvironment: Catalytic Activities Mediated by Surface Chemical States. *Journal of Physical Chemistry C*, **2013**, 117, 383-392	3.8	106
376	Transformable Peptide Nanocarriers for Expeditious Drug Release and Effective Cancer Therapy via Cancer-Associated Fibroblast Activation. *Angewandte Chemie - International Edition*, **2016**, 55, 1050-5	16.4	106
375	Hyaluronic acid functional amphipathic and redox-responsive polymer particles for the co-delivery of doxorubicin and cyclopamine to eradicate breast cancer cells and cancer stem cells. *Nanoscale*, **2015**, 7, 8607-18	7.7	105
374	Fullerene nanoparticles selectively enter oxidation-damaged cerebral microvessel endothelial cells and inhibit JNK-related apoptosis. *ACS Nano*, **2009**, 3, 3358-68	16.7	105
373	Photothermal Effect Enhanced Cascade-Targeting Strategy for Improved Pancreatic Cancer Therapy by Gold Nanoshell@Mesoporous Silica Nanorod. *ACS Nano*, **2017**, 11, 8103-8113	16.7	104
372	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. *Journal of Materials Chemistry B*, **2018**, 6, 487-498	7.3	103
371	Multiwall carbon nanotubes mediate macrophage activation and promote pulmonary fibrosis through TGF-β/Smad signaling pathway. *Small*, **2013**, 9, 3799-811	11	103
370	Origin of the different phytotoxicity and biotransformation of cerium and lanthanum oxide nanoparticles in cucumber. *Nanotoxicology*, **2015**, 9, 262-70	5.3	102
369	Efficient Near Infrared Light Triggered Nitric Oxide Release Nanocomposites for Sensitizing Mild Photothermal Therapy. *Advanced Science*, **2019**, 6, 1801122	13.6	102
368	Lanthanide ion-doped GdPO4 nanorods with dual-modal bio-optical and magnetic resonance imaging properties. *Nanoscale*, **2012**, 4, 3754-60	7.7	100
367	Nd -Sensitized Upconversion Metal-Organic Frameworks for Mitochondria-Targeted Amplified Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 2634-2638	16.4	99

366	Tumor Microenvironment-Responsive Cu(OH)PO Nanocrystals for Selective and Controllable Radiosentization via the X-ray-Triggered Fenton-like Reaction. *Nano Letters*, **2019**, 19, 1749-1757	11.5	98
365	Silver nanoparticles activate endoplasmic reticulum stress signaling pathway in cell and mouse models: The role in toxicity evaluation. *Biomaterials*, **2015**, 61, 307-15	15.6	97
364	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. *ACS Applied Materials & Interfaces*, **2018**, 10, 8436-8442	9.5	96
363	Morphologically virus-like fullerenol nanoparticles act as the dual-functional nanoadjuvant for HIV-1 vaccine. *Advanced Materials*, **2013**, 25, 5928-36	24	95
362	Highly sensitive simultaneous detection of lead(II) and barium(II) with G-quadruplex DNA in □hemolysin nanopore. *Analytical Chemistry*, **2013**, 85, 7302-7	7.8	95
361	Carbon nanotube based artificial water channel protein: membrane perturbation and water transportation. *Nano Letters*, **2009**, 9, 1386-94	11.5	95
360	A magnetic graphene hybrid functionalized with beta-cyclodextrins for fast and efficient removal of organic dyes. *Journal of Materials Chemistry A*, **2014**, 2, 12296	13	94
359	Ultrasmall [(64)Cu]Cu nanoclusters for targeting orthotopic lung tumors using accurate positron emission tomography imaging. *ACS Nano*, **2015**, 9, 4976-86	16.7	93
358	Intelligent MoS 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	9.5	93
357	Walking the line: The fate of nanomaterials at biological barriers. *Biomaterials*, **2018**, 174, 41-53	15.6	93
356	The effects of orally administered Ag, TiO2 and SiO2 nanoparticles on gut microbiota composition and colitis induction in mice. *NanoImpact*, **2017**, 8, 80-88	5.6	93
355	Neurotoxicity of low-dose repeatedly intranasal instillation of nano- and submicron-sized ferric oxide particles in mice. *Journal of Nanoparticle Research*, **2009**, 11, 41-53	2.3	92
354	Species-specific toxicity of ceria nanoparticles to Lactuca plants. *Nanotoxicology*, **2015**, 9, 1-8	5.3	91
353	Biopharmaceutics and therapeutic potential of engineered nanomaterials. *Current Drug Metabolism* , **2008**, 9, 697-709	3.5	91
352	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. *Biomaterials*, **2019**, 189, 11-22	15.6	91
351	Effects of gestational age and surface modification on materno-fetal transfer of nanoparticles in murine pregnancy. *Scientific Reports*, **2012**, 2, 847	4.9	90
350	Ag cluster-aptamer hybrid: specifically marking the nucleus of live cells. *Chemical Communications*, **2011**, 47, 11960-2	5.8	90
349	Neurotoxicological evaluation of long-term lanthanum chloride exposure in rats. *Toxicological Sciences*, **2008**, 103, 354-61	4.4	90

348	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. *Angewandte Chemie - International Edition*, **2019**, 58, 14877-14881	16.4	89
347	The contributions of metal impurities and tube structure to the toxicity of carbon nanotube materials. *NPG Asia Materials*, **2012**, 4, e32-e32	10.3	89
346	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. *Chemical Society Reviews*, **2013**, 42, 8266-303	58.5	88
345	The translocation of fullerenic nanoparticles into lysosome via the pathway of clathrin-mediated endocytosis. *Nanotechnology*, **2008**, 19, 145102	3.4	88
344	Engineering Multifunctional DNA Hybrid Nanospheres through Coordination-Driven Self-Assembly. *Angewandte Chemie - International Edition*, **2019**, 58, 1350-1354	16.4	88
343	Carboxylic acid functionalization prevents the translocation of multi-walled carbon nanotubes at predicted environmentally relevant concentrations into targeted organs of nematode Caenorhabditis elegans. *Nanoscale*, **2013**, 5, 6088-96	7.7	87
342	Detection of trace Hg2+ via induced circular dichroism of DNA wrapped around single-walled carbon nanotubes. *Journal of the American Chemical Society*, **2008**, 130, 9190-1	16.4	87
341	Enhanced endosomal/lysosomal escape by distearoyl phosphoethanolamine-polycarboxybetaine lipid for systemic delivery of siRNA. *Journal of Controlled Release*, **2014**, 176, 104-14	11.7	86
340	Gadolinium metallofullerenol nanoparticles inhibit cancer metastasis through matrix metalloproteinase inhibition: imprisoning instead of poisoning cancer cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2012**, 8, 136-46	6	86
339	Nanosurface chemistry and dose govern the bioaccumulation and toxicity of carbon nanotubes, metal nanomaterials and quantum dots in vivo. *Science Bulletin*, **2015**, 60, 3-20	10.6	85
338	Graphene covalently binding aryl groups: conductivity increases rather than decreases. *ACS Nano*, **2011**, 5, 7945-9	16.7	85
337	A tumour-selective cascade activatable self-detained system for drug delivery and cancer imaging. *Nature Communications*, **2019**, 10, 4861	17.4	85
336	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunsorbant Assay of Integrin Expression Level on Cell Membrane. *ACS Nano*, **2015**, 9, 10979-90	16.7	84
335	Mesoporous NaYbF4@NaGdF4 core-shell up-conversion nanoparticles for targeted drug delivery and multimodal imaging. *Biomaterials*, **2014**, 35, 7666-78	15.6	84
334	Enhanced Generation of Non-Oxygen Dependent Free Radicals by Schottky-type Heterostructures of Au-BiS Nanoparticles via X-ray-Induced Catalytic Reaction for Radiosensitization. *ACS Nano*, **2019**, 13, 5947-5958	16.7	82
333	The use of polyethylenimine-modified graphene oxide as a nanocarrier for transferring hydrophobic nanocrystals into water to produce water-dispersible hybrids for use in drug delivery. *Carbon*, **2013**, 57, 120-129	10.4	82
332	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. *ACS Nano*, **2017**, 11, 4606-4616	16.7	81
331	Efficient delivery of antitumor drug to the nuclei of tumor cells by amphiphilic biodegradable poly(L-aspartic acid-co-lactic acid)/DPPE co-polymer nanoparticles. *Small*, **2012**, 8, 1596-606	11	81

330	Polyhydroxylated metallofullerenols stimulate IL-1β secretion of macrophage through TLRs/MyD88/NF-κB pathway and NLRP3 inflammasome activation. *Small*, **2014**, 10, 2362-72	11	80
329	Exosomes as extrapulmonary signaling conveyors for nanoparticle-induced systemic immune activation. *Small*, **2012**, 8, 404-12	11	80
328	Shrinkage of pegylated and non-pegylated liposomes in serum. *Colloids and Surfaces B: Biointerfaces*, **2014**, 114, 294-300	6	79
327	TWEEN coated NaYF4:Yb,Er/NaYF4 core/shell upconversion nanoparticles for bioimaging and drug delivery. *RSC Advances*, **2012**, 2, 7037	3.7	79
326	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF :Ce Scintillators and their Applications for Radiosensitization. *Advanced Materials*, **2018**, 30, e1804046	24	78
325	Ultrasensitive, Multiplex Raman Frequency Shift Immunoassay of Liver Cancer Biomarkers in Physiological Media. *ACS Nano*, **2016**, 10, 871-9	16.7	77
324	Toxicity of inorganic nanomaterials in biomedical imaging. *Biotechnology Advances*, **2014**, 32, 727-43	17.8	77
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