

Liang Yan

List of Publications by Citations

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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	Cytotoxicity of carbon nanomaterials: single-wall nanotube, multi-wall nanotube, and fullerene. <i>Environmental Science & Technology</i> , 2005 , 39, 1378-83	10.3	1191
209	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. <i>Toxicology Letters</i> , 2007 , 168, 176-85	4.4	861
208	Cellular uptake, intracellular trafficking, and cytotoxicity of nanomaterials. <i>Small</i> , 2011 , 7, 1322-37	11	823
207	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, 16968-73	11.5	738
206	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
205	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
204	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
203	Mn ²⁺ dopant-controlled synthesis of NaYF ₄ :Yb/Er upconversion nanoparticles for in vivo imaging and drug delivery. <i>Advanced Materials</i> , 2012 , 24, 1226-31	24	690
202	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
201	Understanding the toxicity of carbon nanotubes. <i>Accounts of Chemical Research</i> , 2013 , 46, 702-13	24.3	516
200	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
199	Physicochemical properties determine nanomaterial cellular uptake, transport, and fate. <i>Accounts of Chemical Research</i> , 2013 , 46, 622-31	24.3	489
198	Chemistry and physics of a single atomic layer: strategies and challenges for functionalization of graphene and graphene-based materials. <i>Chemical Society Reviews</i> , 2012 , 41, 97-114	58.5	432
197	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
196	Recent advances in design and fabrication of upconversion nanoparticles and their safe theranostic applications. <i>Advanced Materials</i> , 2013 , 25, 3758-79	24	400
195	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
194	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. <i>Biomaterials</i> , 2009 , 30, 611-21	15.6	337

193	Metabolism of nanomaterials in vivo: blood circulation and organ clearance. <i>Accounts of Chemical Research</i> , 2013 , 46, 761-9	24.3	336
192	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
191	Biodistribution of carbon single-wall carbon nanotubes in mice. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 1019-24	1.3	311
190	Potential neurological lesion after nasal instillation of TiO ₂ nanoparticles in the anatase and rutile crystal phases. <i>Toxicology Letters</i> , 2008 , 183, 72-80	4.4	279
189	Multihydroxylated [Gd@C ₈₂ (OH) ₂₂] _n nanoparticles: antineoplastic activity of high efficiency and low toxicity. <i>Nano Letters</i> , 2005 , 5, 2050-7	11.5	256
188	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
187	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
186	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> , 2011 , 133, 8617-24	16.4	239
185	Low-toxic and safe nanomaterials by surface-chemical design, carbon nanotubes, fullerenes, metallofullerenes, and graphenes. <i>Nanoscale</i> , 2011 , 3, 362-82	7.7	233
184	Chemistry of carbon nanotubes in biomedical applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1036-1052	211	
183	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, 7449-54	11.5	206
182	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <i>Advanced Materials</i> , 2015 , 27, 7692-712	24	199
181	Smart MoS ₂ /Fe ₃ O ₄ Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. <i>Theranostics</i> , 2015 , 5, 931-45	12.1	196
180	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
179	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, 17359-68	16.4	191
178	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
177	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, 3174-83	11.5	188
176	Chirality of glutathione surface coating affects the cytotoxicity of quantum dots. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5860-4	16.4	184

175	Molecular mechanism of pancreatic tumor metastasis inhibition by Gd@C82(OH)22 and its implication for de novo design of nanomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15431-6	11.5	177
174	Characterization and preliminary toxicity assay of nano-titanium dioxide additive in sugar-coated chewing gum. <i>Small</i> , 2013 , 9, 1765-74	11	173
173	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
172	Red-emitting upconverting nanoparticles for photodynamic therapy in cancer cells under near-infrared excitation. <i>Small</i> , 2013 , 9, 1929-38, 1928	11	163
171	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
170	Facile Fabrication of Rare-Earth-Doped Gd2O3 Hollow Spheres with Upconversion Luminescence, Magnetic Resonance, and Drug Delivery Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23790-23796	13.8	159
169	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> , 2009 , 30, 3934-45	15.6	159
168	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
167	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
166	Graphene-Based Smart Platforms for Combined Cancer Therapy. <i>Advanced Materials</i> , 2019 , 31, e1800662	11.4	156
165	Size-tunable synthesis of lanthanide-doped Gd2O3 nanoparticles and their applications for optical and magnetic resonance imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 966-974		154
164	Interfacing engineered nanoparticles with biological systems: anticipating adverse nano-bio interactions. <i>Small</i> , 2013 , 9, 1573-84	11	154
163	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
162	Enhanced red emission from GdF3:Yb3+,Er3+ upconversion nanocrystals by Li+ doping and their application for bioimaging. <i>Chemistry - A European Journal</i> , 2012 , 18, 9239-45	4.8	148
161	Comparative toxicity of nanoparticulate/bulk Yb2O3 and YbCl3 to cucumber (<i>Cucumis sativus</i>). <i>Environmental Science & Technology</i> , 2012 , 46, 1834-41	10.3	140
160	Antioxidative function and biodistribution of [Gd@C82(OH)22]n nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , 2006 , 71, 872-81	6	138
159	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , 2015 , 6, 5988	17.4	135
158	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. <i>Toxicology and Applied Pharmacology</i> , 2008 , 230, 364-71	4.6	135

157	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
156	Potent angiogenesis inhibition by the particulate form of fullerene derivatives. <i>ACS Nano</i> , 2010 , 4, 2773-867	3.7	134
155	Protein-Nanoreactor-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2016 , 28, 5923-30	24	133
154	Influences of Structural Properties on Stability of Fullerenols. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11473-11479	3.4	130
153	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. <i>Advanced Materials</i> , 2019 , 31, e1802244	24	128
152	Lung deposition and extrapulmonary translocation of nano-ceria after intratracheal instillation. <i>Nanotechnology</i> , 2010 , 21, 285103	3.4	123
151	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
150	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
149	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
148	[Gd@C(82)(OH)(22)](n) nanoparticles induce dendritic cell maturation and activate Th1 immune responses. <i>ACS Nano</i> , 2010 , 4, 1178-86	16.7	116
147	Lanthanide-doped GdVO ₄ upconversion nanophosphors with tunable emissions and their applications for biomedical imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6974		114
146	Interactions between proteins and carbon-based nanoparticles: exploring the origin of nanotoxicity at the molecular level. <i>Small</i> , 2013 , 9, 1546-56	11	113
145	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
144	Towards understanding of nanoparticle-protein corona. <i>Archives of Toxicology</i> , 2015 , 89, 519-39	5.8	112
143	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
142	Inhibition of tumor growth by endohedral metallofullerenol nanoparticles optimized as reactive oxygen species scavenger. <i>Molecular Pharmacology</i> , 2008 , 74, 1132-40	4.3	109
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	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

139	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
138	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
137	Multiwall carbon nanotubes mediate macrophage activation and promote pulmonary fibrosis through TGF- β /Smad signaling pathway. <i>Small</i> , 2013 , 9, 3799-811	11	103
136	Efficient Near Infrared Light Triggered Nitric Oxide Release Nanocomposites for Sensitizing Mild Photothermal Therapy. <i>Advanced Science</i> , 2019 , 6, 1801122	13.6	102
135	Lanthanide ion-doped GdPO ₄ nanorods with dual-modal bio-optical and magnetic resonance imaging properties. <i>Nanoscale</i> , 2012 , 4, 3754-60	7.7	100
134	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
133	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
132	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
131	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
130	Ultrasml [(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
129	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
128	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. <i>Biomaterials</i> , 2019 , 189, 11-22	15.6	91
127	Effects of gestational age and surface modification on materno-fetal transfer of nanoparticles in murine pregnancy. <i>Scientific Reports</i> , 2012 , 2, 847	4.9	90
126	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , 2013 , 42, 8266-303	58.5	88
125	Two-dimensional transition metal dichalcogenide nanomaterials for combination cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1873-1895	7.3	87
124	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, 136-46	6	86
123	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
122	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

121	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
120	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. <i>Carbon</i> , 2013 , 57, 120-129	10.4	82
119	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
118	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
117	Polyhydroxylated metallofullerenols stimulate IL-1 β secretion of macrophage through TLRs/MyD88/NF- κ B pathway and NLRP3 inflammasome activation. <i>Small</i> , 2014 , 10, 2362-72	11	80
116	TWEEN coated NaYF ₄ :Yb,Er/NaYF ₄ core/shell upconversion nanoparticles for bioimaging and drug delivery. <i>RSC Advances</i> , 2012 , 2, 7037	3.7	79
115	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF ₄ :Ce Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , 2018 , 30, e1804046	24	78
114	Nanomedicine-Based Immunotherapy for the Treatment of Cancer Metastasis. <i>Advanced Materials</i> , 2019 , 31, e1904156	24	76
113	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2579-2590	9.5	76
112	A new near infrared photosensitizing nanoplatfrom containing blue-emitting up-conversion nanoparticles and hypocrellin A for photodynamic therapy of cancer cells. <i>Nanoscale</i> , 2013 , 5, 11910-8	7.7	74
111	Multifunctional Rbx WO ₃ nanorods for simultaneous combined chemo-photothermal therapy and photoacoustic/CT imaging. <i>Small</i> , 2014 , 10, 4160-70	11	74
110	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , 2020 , 10, 757-781	12.1	72
109	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <i>Advanced Materials</i> , 2019 , 31, e1804386	24	71
108	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , 2019 , 31, e1805391	24	70
107	Chemical mechanisms of the toxicological properties of nanomaterials: generation of intracellular reactive oxygen species. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2342-53	4.5	66
106	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> , 2008 , 23, 1121	3.7	66
105	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
104	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

103	Biological characterizations of [Gd@C82(OH)22]n nanoparticles as fullerene derivatives for cancer therapy. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 43-7	3.7	60
102	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018 , 90, 589-614	4.8	60
101	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
100	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
99	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
98	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
97	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
96	Strategies based on metal-based nanoparticles for hypoxic-tumor radiotherapy. <i>Chemical Science</i> , 2019 , 10, 6932-6943	9.4	53
95	Evaluation of the toxicity of graphene oxide exposure to the eye. <i>Nanotoxicology</i> , 2016 , 10, 1329-40	5.3	52
94	Nanoparticle Ligand Exchange and Its Effects at the Nanoparticle-Cell Membrane Interface. <i>Nano Letters</i> , 2019 , 19, 8-18	11.5	52
93	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
92	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
91	Elemental Bismuth/Graphene Heterostructures for Photocatalysis from Ultraviolet to Infrared Light. <i>ACS Catalysis</i> , 2017 , 7, 7043-7050	13.1	49
90	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
89	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
88	Short multiwall carbon nanotubes promote neuronal differentiation of PC12 cells via up-regulation of the neurotrophin signaling pathway. <i>Small</i> , 2013 , 9, 1786-98	11	43
87	Biosafety assessment of Gd@C82(OH)22 nanoparticles on <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , 2011 , 3, 2636-41	7.7	42
86	An overview of the use of nanozymes in antibacterial applications. <i>Chemical Engineering Journal</i> , 2021 , 418, 129431	14.7	41

85	Ultrasmall BiOI Quantum Dots with Efficient Renal Clearance for Enhanced Radiotherapy of Cancer. <i>Advanced Science</i> , 2020 , 7, 1902561	13.6	40
84	Reactive Oxygen Species-Regulating Strategies Based on Nanomaterials for Disease Treatment. <i>Advanced Science</i> , 2021 , 8, 2002797	13.6	40
83	MoS-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
82	Regioselectivity control of graphene functionalization by ripples. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19449-53	3.6	39
81	Phytotoxicity, Translocation, and Biotransformation of NaYF ₄ Upconversion Nanoparticles in a Soybean Plant. <i>Small</i> , 2015 , 11, 4774-84	11	38
80	Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. <i>ACS Nano</i> , 2020 , 14, 10001-10017	16.7	38
79	Application of Multifunctional Nanomaterials in Radioprotection of Healthy Tissues. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800421	10.1	37
78	Ultrasmall Superparamagnetic Iron Oxide Nanoparticle for T-Weighted Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28959-28966	9.5	37
77	Emerging Delivery Strategies of Carbon Monoxide for Therapeutic Applications: from CO Gas to CO Releasing Nanomaterials. <i>Small</i> , 2019 , 15, e1904382	11	36
76	Tuning electronic properties of metallic atom in bondage to a nanospace. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8779-85	3.4	36
75	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
74	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
73	Ecotoxicological assessment of lanthanum with <i>Caenorhabditis elegans</i> in liquid medium. <i>Metallomics</i> , 2010 , 2, 806-10	4.5	35
72	Progress, challenges, and future of nanomedicine. <i>Nano Today</i> , 2020 , 35, 101008	17.9	32
71	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
70	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
69	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
68	Translocation, biotransformation-related degradation, and toxicity assessment of polyvinylpyrrolidone-modified 2H-phase nano-MoS. <i>Nanoscale</i> , 2019 , 11, 4767-4780	7.7	28

67	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
66	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
65	Epigenetic modulation of human breast cancer by metallofullerenol nanoparticles: in vivo treatment and in vitro analysis. <i>Nanoscale</i> , 2011 , 3, 4713-9	7.7	27
64	Toxicological Evaluation of Graphene-Family Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1993-2006	1.3	27
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