

# Chunying Chen

## List of Publications by Year in descending order

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463  
papers

40,687  
citations

1457

107  
h-index

3476

182  
g-index

497  
all docs

497  
docs citations

497  
times ranked

41680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
2	Cellular Uptake, Intracellular Trafficking, and Cytotoxicity of Nanomaterials. Small, 2011, 7, 1322-1337.	5.2	975
3	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. Toxicology Letters, 2007, 168, 176-185.	0.4	973
4	Mesoporous Silica-Coated Gold Nanorods as a Light-Mediated Multifunctional Theranostic Platform for Cancer Treatment. Advanced Materials, 2012, 24, 1418-1423.	11.1	881
5	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16968-16973.	3.3	839
6	Acute toxicological effects of copper nanoparticles in vivo. Toxicology Letters, 2006, 163, 109-120.	0.4	825
7	Understanding the Toxicity of Carbon Nanotubes. Accounts of Chemical Research, 2013, 46, 702-713.	7.6	623
8	Surface chemistry and aspect ratio mediated cellular uptake of Au nanorods. Biomaterials, 2010, 31, 7606-7619.	5.7	613
9	Near-Infrared Light-Mediated Nanoplatforms for Cancer Thermo-Chemotherapy and Optical Imaging. Advanced Materials, 2013, 25, 3869-3880.	11.1	580
10	Near Infrared Laser-Induced Targeted Cancer Therapy Using Thermoresponsive Polymer Encapsulated Gold Nanorods. Journal of the American Chemical Society, 2014, 136, 7317-7326.	6.6	569
11	Au@Pt nanostructures as oxidase and peroxidase mimetics for use in immunoassays. Biomaterials, 2011, 32, 1139-1147.	5.7	531
12	Bismuth Sulfide Nanorods as a Precision Nanomedicine for <i>in Vivo</i> Multimodal Imaging-Guided Photothermal Therapy of Tumor. ACS Nano, 2015, 9, 696-707.	7.3	503
13	Selective Targeting of Gold Nanorods at the Mitochondria of Cancer Cells: Implications for Cancer Therapy. Nano Letters, 2011, 11, 772-780.	4.5	475
14	The triggering of apoptosis in macrophages by pristine graphene through the MAPK and TGF-beta signaling pathways. Biomaterials, 2012, 33, 402-411.	5.7	444
15	Differential Pd-nanocrystal facets demonstrate distinct antibacterial activity against Gram-positive and Gram-negative bacteria. Nature Communications, 2018, 9, 129.	5.8	414
16	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. Biomaterials, 2009, 30, 611-621.	5.7	388
17	Time-dependent translocation and potential impairment on central nervous system by intranasally instilled TiO <sub>2</sub> nanoparticles. Toxicology, 2008, 254, 82-90.	2.0	386
18	Safety of Nanoparticles in Medicine. Current Drug Targets, 2015, 16, 1671-1681.	1.0	384

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19	The Crown and the Scepter: Roles of the Protein Corona in Nanomedicine. <i>Advanced Materials</i> , 2019, 31, e1805740.	11.1	355
20	Core-Shell Upconversion Nanoparticle@Metal-Organic Framework Nanoprobes for Luminescent/Magnetic Dual-Mode Targeted Imaging. <i>Advanced Materials</i> , 2015, 27, 4075-4080.	11.1	348
21	Cytotoxic Potential of Silver Nanoparticles. <i>Yonsei Medical Journal</i> , 2014, 55, 283.	0.9	340
22	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	4.2	336
23	Elimination efficiency of different reagents for the memory effect of mercury using ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 94-96.	1.6	322
24	Potential neurological lesion after nasal instillation of TiO <sub>2</sub> nanoparticles in the anatase and rutile crystal phases. <i>Toxicology Letters</i> , 2008, 183, 72-80.	0.4	310
25	Arginine-Rich Manganese Silicate Nanobubbles as a Ferroptosis-Inducing Agent for Tumor-Targeted Theranostics. <i>ACS Nano</i> , 2018, 12, 12380-12392.	7.3	292
26	Surface-Engineered Gold Nanorods: Promising DNA Vaccine Adjuvant for HIV-1 Treatment. <i>Nano Letters</i> , 2012, 12, 2003-2012.	4.5	282
27	Multihydroxylated [Gd@C82(OH)22] <sub>n</sub> Nanoparticles: Antineoplastic Activity of High Efficiency and Low Toxicity. <i>Nano Letters</i> , 2005, 5, 2050-2057.	4.5	281
28	Smart Albumin-Biomaterialized Nanocomposites for Multimodal Imaging and Photothermal Tumor Ablation. <i>Advanced Materials</i> , 2015, 27, 3874-3882.	11.1	278
29	Circumventing Tumor Resistance to Chemotherapy by Nanotechnology. <i>Methods in Molecular Biology</i> , 2010, 596, 467-488.	0.4	259
30	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, 8617-8624.	6.6	258
31	Beyond PM <sub>2.5</sub> : The role of ultrafine particles on adverse health effects of air pollution. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2844-2855.	1.1	257
32	Facet Energy versus Enzyme-like Activities: The Unexpected Protection of Palladium Nanocrystals against Oxidative Damage. <i>ACS Nano</i> , 2016, 10, 10436-10445.	7.3	247
33	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
34	Ultrahigh reactivity provokes nanotoxicity: Explanation of oral toxicity of nano-copper particles. <i>Toxicology Letters</i> , 2007, 175, 102-110.	0.4	243
35	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
36	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

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37	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, 7449-7454.	3.3	233
38	Nano- <sup>bio</sup> effects: interaction of nanomaterials with cells. Nanoscale, 2013, 5, 3547.	2.8	223
39	Tailoring Nanomaterials for Targeting Tumor-Associated Macrophages. Advanced Materials, 2019, 31, e1808303.	11.1	223
40	Endoplasmic Reticulum Stress Induced by Zinc Oxide Nanoparticles Is an Earlier Biomarker for Nanotoxicological Evaluation. ACS Nano, 2014, 8, 2562-2574.	7.3	221
41	An All-Organic Semiconductor C <sub>3</sub> N <sub>4</sub> /PDINH Heterostructure with Advanced Antibacterial Photocatalytic Therapy Activity. Advanced Materials, 2019, 31, e1901965.	11.1	215
42	Full Assessment of Fate and Physiological Behavior of Quantum Dots Utilizing <i>Caenorhabditis elegans</i> as a Model Organism. Nano Letters, 2011, 11, 3174-3183.	4.5	212
43	Applications of Functionalized Fullerenes in Tumor Theranostics. Theranostics, 2012, 2, 238-250.	4.6	212
44	Review of Research on Template Methods in Preparation of Nanomaterials. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	212
45	The Nano-Bio Interactions of Nanomedicines: Understanding the Biochemical Driving Forces and Redox Reactions. Accounts of Chemical Research, 2019, 52, 1507-1518.	7.6	211
46	Imaging-Guided Combined Photothermal and Radiotherapy to Treat Subcutaneous and Metastatic Tumors Using Iodine-131-Doped Copper Sulfide Nanoparticles. Advanced Functional Materials, 2015, 25, 4689-4699.	7.8	207
47	Defect-Rich Adhesive Molybdenum Disulfide/rGO Vertical Heterostructures with Enhanced Nanozyme Activity for Smart Bacterial Killing Application. Advanced Materials, 2020, 32, e2005423.	11.1	207
48	Synthesis of Pt Hollow Nanodendrites with Enhanced Peroxidase-Like Activity against Bacterial Infections: Implication for Wound Healing. Advanced Functional Materials, 2018, 28, 1801484.	7.8	205
49	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
50	Fate and Toxicity of Metallic and Metal-Containing Nanoparticles for Biomedical Applications. Small, 2011, 7, 2965-2980.	5.2	199
51	Functionalized graphene with Co-ZIF adsorbed borate ions as an effective flame retardant and smoke suppression agent for epoxy resin. Journal of Hazardous Materials, 2019, 363, 138-151.	6.5	199
52	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. Advanced Functional Materials, 2015, 25, 3049-3056.	7.8	194
53	Gold Nanorods Based Platforms for Light-Mediated Theranostics. Theranostics, 2013, 3, 223-238.	4.6	189
54	Crossover between Anti- and Pro-oxidant Activities of Graphene Quantum Dots in the Absence or Presence of Light. ACS Nano, 2016, 10, 8690-8699.	7.3	188

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55	Using Hollow Carbon Nanospheres as a Light-Induced Free Radical Generator To Overcome Chemotherapy Resistance. <i>Journal of the American Chemical Society</i> , 2015, 137, 1947-1955.	6.6	182
56	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, 3934-3945.	5.7	177
57	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , 2016, 10, 9646-9658.	7.3	175
58	Protein-Assisted Synthesis of Semiconductor Nanocrystals for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2016, 28, 5923-5930.	11.1	175
59	The inhibition of migration and invasion of cancer cells by graphene via the impairment of mitochondrial respiration. <i>Biomaterials</i> , 2014, 35, 1597-1607.	5.7	174
60	Rapid Degradation and High Renal Clearance of Cu <sub>3</sub> Bi <sub>3</sub> Nanodots for Efficient Cancer Diagnosis and Photothermal Therapy <i>in Vivo</i> . <i>ACS Nano</i> , 2016, 10, 4587-4598.	7.3	173
61	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. <i>Advanced Materials</i> , 2017, 29, 1701268.	11.1	171
62	Bifunctional Platinated Nanoparticles for Photoinduced Tumor Ablation. <i>Advanced Materials</i> , 2016, 28, 10155-10164.	11.1	170
63	Coordination-responsive drug release inside gold nanorod@metal-organic framework core-shell nanostructures for near-infrared-induced synergistic chemo-photothermal therapy. <i>Nano Research</i> , 2018, 11, 3294-3305.	5.8	170
64	Bactericidal Effects of Silver Nanoparticles on Lactobacilli and the Underlying Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8443-8450.	4.0	165
65	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , 2015, 6, 5988.	5.8	164
66	The Roles of Serum Selenium and Selenoproteins on Mercury Toxicity in Environmental and Occupational Exposure. <i>Environmental Health Perspectives</i> , 2006, 114, 297-301.	2.8	163
67	Carbon-Based Nanomaterials for Cancer Therapy via Targeting Tumor Microenvironment. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800525.	3.9	161
68	Intracellular dynamics of cationic and anionic polystyrene nanoparticles without direct interaction with mitotic spindle and chromosomes. <i>Biomaterials</i> , 2011, 32, 8291-8303.	5.7	160
69	The interactions between pristine graphene and macrophages and the production of cytokines/chemokines via TLR- and NF- $\kappa$ B-related signaling pathways. <i>Biomaterials</i> , 2012, 33, 6933-6942.	5.7	160
70	Anti-tumor activity of paclitaxel through dual-targeting carrier of cyclic RGD and transferrin conjugated hyperbranched copolymer nanoparticles. <i>Biomaterials</i> , 2012, 33, 1627-1639.	5.7	159
71	Fast intracellular dissolution and persistent cellular uptake of silver nanoparticles in CHO-K1 cells: implication for cytotoxicity. <i>Nanotoxicology</i> , 2015, 9, 181-189.	1.6	159
72	The nano-plasma interface: Implications of the protein corona. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 124, 17-24.	2.5	155

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73	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021, 16, 708-716.	15.6	153
74	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
75	Bacteria-Activated Theranostic Nanoprobes against Methicillin-Resistant <i>Staphylococcus aureus</i> Infection. <i>ACS Nano</i> , 2017, 11, 4428-4438.	7.3	152
76	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , 2020, 10, 757-781.	4.6	152
77	Bifunctional Tellurium Nanodots for Photo-Induced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 10012-10024.	7.3	151
78	Interaction of gold nanoparticles with proteins and cells. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 034610.	2.8	149
79	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	15.6	149
80	Potent Angiogenesis Inhibition by the Particulate Form of Fullerene Derivatives. <i>ACS Nano</i> , 2010, 4, 2773-2783.	7.3	148
81	Parallel Comparative Studies on Mouse Toxicity of Oxide Nanoparticle- and Gadolinium-Based T1 MRI Contrast Agents. <i>ACS Nano</i> , 2015, 9, 12425-12435.	7.3	145
82	Designing Stimuli-Responsive Upconversion Nanoparticles that Exploit the Tumor Microenvironment. <i>Advanced Materials</i> , 2020, 32, e2000055.	11.1	143
83	Surface chemistry of gold nanorods: origin of cell membrane damage and cytotoxicity. <i>Nanoscale</i> , 2013, 5, 8384.	2.8	141
84	Treatment of metastatic breast cancer by combination of chemotherapy and photothermal ablation using doxorubicin-loaded DNA wrapped gold nanorods. <i>Biomaterials</i> , 2014, 35, 8374-8384.	5.7	140
85	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
86	Photoacoustic Imaging Guided Near-Infrared Photothermal Therapy Using Highly Water-Dispersible Single-Walled Carbon Nanohorns as Theranostic Agents. <i>Advanced Functional Materials</i> , 2014, 24, 6621-6628.	7.8	137
87	Comprehensive In Vitro Toxicity Testing of a Panel of Representative Oxide Nanomaterials: First Steps towards an Intelligent Testing Strategy. <i>PLoS ONE</i> , 2015, 10, e0127174.	1.1	136
88	Towards understanding of nanoparticle-protein corona. <i>Archives of Toxicology</i> , 2015, 89, 519-539.	1.9	135
89	Progress, challenges, and future of nanomedicine. <i>Nano Today</i> , 2020, 35, 101008.	6.2	135
90	A Versatile Imaging and Therapeutic Platform Based on Dual-Band Luminescent Lanthanide Nanoparticles toward Tumor Metastasis Inhibition. <i>ACS Nano</i> , 2016, 10, 2766-2773.	7.3	131

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91	Light-Enhanced Antibacterial Activity of Graphene Oxide, Mainly via Accelerated Electron Transfer. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10154-10161.	4.6	131
92	Long-term pulmonary exposure to multi-walled carbon nanotubes promotes breast cancer metastatic cascades. <i>Nature Nanotechnology</i> , 2019, 14, 719-727.	15.6	131
93	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.	7.8	130
94	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8436-8442.	4.0	130
95	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. <i>Nanoscale</i> , 2015, 7, 8607-8618.	2.8	128
96	Quantitative Analysis of Metal Impurities in Carbon Nanotubes: Efficacy of Different Pretreatment Protocols for ICPMS Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 9426-9434.	3.2	125
97	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , 2017, 11, 4606-4616.	7.3	125
98	Walking the line: The fate of nanomaterials at biological barriers. <i>Biomaterials</i> , 2018, 174, 41-53.	5.7	125
99	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <i>Advanced Materials</i> , 2019, 31, e1804386.	11.1	124
100	Multiwalled Carbon Nanotubes Mediate Macrophage Activation and Promote Pulmonary Fibrosis Through TGF $\beta$ 2/Smad Signaling Pathway. <i>Small</i> , 2013, 9, 3799-3811.	5.2	121
101	Inhibitory effect of silver nanomaterials on transmissible virus-induced host cell infections. <i>Biomaterials</i> , 2014, 35, 4195-4203.	5.7	121
102	Silver nanoparticles activate endoplasmic reticulum stress signaling pathway in cell and mouse models: The role in toxicity evaluation. <i>Biomaterials</i> , 2015, 61, 307-315.	5.7	121
103	Morphologically Virus-Like Fullerenol Nanoparticles Act as the Dual-Functional Nanoadjuvant for HIV-1 Vaccine. <i>Advanced Materials</i> , 2013, 25, 5928-5936.	11.1	120
104	Multifunctional Graphdiyne-Cerium Oxide Nanozymes Facilitate MicroRNA Delivery and Attenuate Tumor Hypoxia for Highly Efficient Radiotherapy of Esophageal Cancer. <i>Advanced Materials</i> , 2021, 33, e2100556.	11.1	119
105	Inhibition of Tumor Growth by Endohedral Metallofullerenol Nanoparticles Optimized as Reactive Oxygen Species Scavenger. <i>Molecular Pharmacology</i> , 2008, 74, 1132-1140.	1.0	117
106	Fullerene Nanoparticles Selectively Enter Oxidation-Damaged Cerebral Microvessel Endothelial Cells and Inhibit JNK-Related Apoptosis. <i>ACS Nano</i> , 2009, 3, 3358-3368.	7.3	117
107	Silver nanoparticles "wolves in sheep's clothing?". <i>Toxicology Research</i> , 2015, 4, 563-575.	0.9	116
108	Increased Oxidative DNA Damage, as Assessed by Urinary 8-Hydroxy-2-Deoxyguanosine Concentrations, and Serum Redox Status in Persons Exposed to Mercury. <i>Clinical Chemistry</i> , 2005, 51, 759-767.	1.5	113



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109	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
110	Understanding the Chemical Nature of Nanoparticle-Protein Interactions. <i>Bioconjugate Chemistry</i> , 2019, 30, 1923-1937.	1.8	109
111	Characterization of gold nanorods in vivo by integrated analytical techniques: their uptake, retention, and chemical forms. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1105-1114.	1.9	108
112	Biopharmaceutics and Therapeutic Potential of Engineered Nanomaterials. <i>Current Drug Metabolism</i> , 2008, 9, 697-709.	0.7	105
113	Blood cadmium, mercury, and lead in children: An international comparison of cities in six European countries, and China, Ecuador, and Morocco. <i>Environment International</i> , 2012, 41, 29-34.	4.8	105
114	Effects of gestational age and surface modification on materno-fetal transfer of nanoparticles in murine pregnancy. <i>Scientific Reports</i> , 2012, 2, 847.	1.6	104
115	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , 2013, 42, 8266.	18.7	104
116	The translocation of fullerene nanoparticles into lysosome via the pathway of clathrin-mediated endocytosis. <i>Nanotechnology</i> , 2008, 19, 145102.	1.3	103
117	Multi-platform genotoxicity analysis of silver nanoparticles in the model cell line CHO-K1. <i>Toxicology Letters</i> , 2013, 222, 55-63.	0.4	103
118	Gadolinium metallofullerene 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
119	Selenium Nanoparticles as an Efficient Nanomedicine for the Therapy of Huntington's Disease. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34725-34735.	4.0	101
120	New power of self-assembling carbonic anhydrase inhibitor: Short peptide-constructed nanofibers inspire hypoxic cancer therapy. <i>Science Advances</i> , 2019, 5, eaax0937.	4.7	100
121	Corona of Thorns: The Surface Chemistry-Mediated Protein Corona Perturbs the Recognition and Immune Response of Macrophages. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1997-2008.	4.0	100
122	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.	5.7	99
123	Self-Assembling Peptide-Based Hydrogels for Wound Tissue Repair. <i>Advanced Science</i> , 2022, 9, e2104165.	5.6	99
124	Chemical and Biophysical Signatures of the Protein Corona in Nanomedicine. <i>Journal of the American Chemical Society</i> , 2022, 144, 9184-9205.	6.6	98
125	Photogenerated Charge Carriers in Molybdenum Disulfide Quantum Dots with Enhanced Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4858-4866.	4.0	97
126	Immunostimulatory properties and enhanced TNF- $\alpha$ mediated cellular immunity for tumor therapy by $\text{C}_{60}(\text{OH})_{20}$ nanoparticles. <i>Nanotechnology</i> , 2009, 20, 415102.	1.3	96



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127	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
128	Remote Control and Modulation of Cellular Events by Plasmonic Gold Nanoparticles: Implications and Opportunities for Biomedical Applications. <i>ACS Nano</i> , 2017, 11, 2403-2409.	7.3	93
129	Efficient Delivery of Antitumor Drug to the Nuclei of Tumor Cells by Amphiphilic Biodegradable Poly(L-aspartic Acid-co-L-lactic Acid)/DPPE Co-polymer Nanoparticles. <i>Small</i> , 2012, 8, 1596-1606.	5.2	91
130	Hypoxia-Triggered Self-Assembly of Ultrasmall Iron Oxide Nanoparticles to Amplify the Imaging Signal of a Tumor. <i>Journal of the American Chemical Society</i> , 2021, 143, 1846-1853.	6.6	91
131	Studies on anti-tumor and antimetastatic activities of fullerene in a mouse breast cancer model. <i>Carbon</i> , 2010, 48, 2231-2243.	5.4	90
132	Enzyme-Triggered Disassembly of Perylene Monoimide-based Nanoclusters for Activatable and Deep Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14014-14018.	7.2	89
133	Photothermal conversion-coordinated Fenton-like and photocatalytic reactions of Cu <sub>2-x</sub> Se-Au Janus nanoparticles for tri-combination antitumor therapy. <i>Biomaterials</i> , 2020, 255, 120167.	5.7	89
134	A Titanium Nitride Nanozyme for pH-Responsive and Irradiation-Enhanced Cascade Catalytic Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25328-25338.	7.2	88
135	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
136	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
137	Perturbation of gut microbiota plays an important role in micro/nanoplastics-induced gut barrier dysfunction. <i>Nanoscale</i> , 2021, 13, 8806-8816.	2.8	86
138	Exploiting the 21st amino acid"purifying and labeling proteins by selenolate targeting. <i>Nature Methods</i> , 2004, 1, 61-66.	9.0	85
139	Right or Left: The Role of Nanoparticles in Pulmonary Diseases. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17577-17600.	1.8	85
140	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018, 90, 589-614.	3.2	85
141	Rutile TiO <sub>2</sub> particles exert size and surface coating dependent retention and lesions on the murine brain. <i>Toxicology Letters</i> , 2011, 207, 73-81.	0.4	84
142	Gd-Dots with Strong Ligand-Water Interaction for Ultrasensitive Magnetic Resonance Renography. <i>ACS Nano</i> , 2017, 11, 3642-3650.	7.3	84
143	Palladium concave nanocrystals with high-index facets accelerate ascorbate oxidation in cancer treatment. <i>Nature Communications</i> , 2018, 9, 4861.	5.8	84
144	Engineered Graphene Oxide Nanocomposite Capable of Preventing the Evolution of Antimicrobial Resistance. <i>ACS Nano</i> , 2019, 13, 11488-11499.	7.3	84

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145	Nanoparticle Ligand Exchange and Its Effects at the Nanoparticle-Cell Membrane Interface. <i>Nano Letters</i> , 2019, 19, 8-18.	4.5	84
146	Immunological Responses Induced by Blood Protein Coronas on Two-Dimensional MoS <sub>2</sub> Nanosheets. <i>ACS Nano</i> , 2020, 14, 5529-5542.	7.3	82
147	Selective inhibition of breast cancer stem cells by gold nanorods mediated plasmonic hyperthermia. <i>Biomaterials</i> , 2014, 35, 4667-4677.	5.7	81
148	Biocompatible PEGylated bismuth nanocrystals: "All-in-one"theranostic agent with triple-modal imaging and efficient in vivo photothermal ablation of tumors. <i>Biomaterials</i> , 2017, 141, 284-295.	5.7	81
149	Reducing the cytotoxicity of ZnO nanoparticles by a pre-formed protein corona in a supplemented cell culture medium. <i>RSC Advances</i> , 2015, 5, 73963-73973.	1.7	80
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