

Bing Yan

List of Publications by Year in Descending Order

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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.

238
papers

11,722
citations

49
h-index

103
g-index

248
ext. papers

13,449
ext. citations

8.4
avg, IF

6.2
L-index

#	Paper	IF	Citations
238	Simple Extraction and Ultrasensitive Determination of Nanoscale Silver from Environmental Waters. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1863-1870	8.3	0
237	Multi-walled carbon nanotubes inhibit potential detoxification of dioxin-mediated toxicity by blocking the nuclear translocation of aryl hydrocarbon receptor.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128458	12.8	1
236	The ZrO NPs enhanced the risk of arsenate by promoting its accumulation and reducing its detoxification during food chain transfer from <i>Daphnia magna</i> to zebrafish. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127338	12.8	1
235	Predicting cytotoxicity of binary pollutants towards a human cell panel in environmental water by experimentation and deep learning methods. <i>Chemosphere</i> , 2022 , 287, 132324	8.4	0
234	A TbPO-based capturer for environmental extracellular antibiotic genes by interrogating lanthanide phosphates nanoneedles. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127139	12.8	0
233	Triclosan detoxification through dechlorination and oxidation via microbial Pd-NPs under aerobic conditions. <i>Chemosphere</i> , 2022 , 286, 131836	8.4	1
232	Bridging the Gap Between Nanotoxicological Data and the Critical Structure-Activity Relationships 2022 , 161-183		
231	Arsenic bioaccumulation and biotransformation in aquatic organisms.. <i>Environment International</i> , 2022 , 163, 107221	12.9	2
230	The interaction between biochars from distinct pyrolysis temperatures and multiple pollutants determines their combined cytotoxicity.. <i>Chemosphere</i> , 2022 , 133999	8.4	0
229	Construction of K and Tb Co-doped MnO nanoparticles for enhanced oxidation and detoxication of organic dye waste.. <i>Chemosphere</i> , 2022 , 134104	8.4	2
228	Comparative toxicity of [Cmim]Br and [Cpy]Br in early developmental stages of zebrafish (<i>Danio rerio</i>) with focus on oxidative stress, apoptosis, and neurotoxicity.. <i>Environmental Toxicology and Pharmacology</i> , 2022 , 92, 103864	5.8	0
227	Intestinal uptake and low transformation increase the bioaccumulation of inorganic arsenic in freshwater zebrafish.. <i>Journal of Hazardous Materials</i> , 2022 , 434, 128904	12.8	0
226	The effect of macrophage polarization on the expression of the oxytocin signalling system in enteric neurons. <i>Journal of Neuroinflammation</i> , 2021 , 18, 261	10.1	2
225	Intracellular Exposure Dose-Associated Susceptibility of Steatotic Hepatocytes to Metallic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
224	Carbon nanomaterials as emerging nanotherapeutic platforms to tackle the rising tide of cancer - A review. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 51, 116493	3.4	4
223	Emerging impacts of ionic liquids on eco-environmental safety and human health. <i>Chemical Society Reviews</i> , 2021 ,	58.5	2
222	Comparison of the Cytokine Profile in Mesenchymal Stem Cells from Human Adipose, Umbilical Cord, and Placental Tissues. <i>Cellular Reprogramming</i> , 2021 , 23, 336-348	2.1	2

221	Comprehensive Interrogation on Acetylcholinesterase Inhibition by Ionic Liquids Using Machine Learning and Molecular Modeling. <i>Environmental Science & Technology</i> , 2021 , 55, 14720-14731	10.3	6
220	Biosafety-inspired structural optimization of triazolium ionic liquids based on structure-toxicity relationships. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127521	12.8	1
219	Physiologically based pharmacokinetic model revealed the distinct bio-transportation and turnover of arsenobetaine and arsenate in marine fish. <i>Aquatic Toxicology</i> , 2021 , 240, 105991	5.1	2
218	Relative comparison of strobilurin fungicides at environmental levels: Focus on mitochondrial function and larval activity in early staged zebrafish (<i>Danio rerio</i>). <i>Toxicology</i> , 2021 , 452, 152706	4.4	3
217	Al3+ reduces PM2.5-induced cytotoxicity in human bronchial epithelial cells via reducing ROS production. <i>Air Quality, Atmosphere and Health</i> , 2021 , 14, 903-909	5.6	1
216	Reciprocal Expression of Differentiated Embryonic Chondrocyte Expressed Genes Result in Functional Antagonism in Gastric Cancer. <i>Digestive Diseases and Sciences</i> , 2021 , 1	4	1
215	A comprehensive review of strobilurin fungicide toxicity in aquatic species: Emphasis on mode of action from the zebrafish model. <i>Environmental Pollution</i> , 2021 , 275, 116671	9.3	8
214	Elucidation of the Critical Role of Core Materials in PM-Induced Cytotoxicity by Interrogating Silica- and Carbon-Based Model PM Particle Libraries. <i>Environmental Science & Technology</i> , 2021 , 55, 6128-6139	10.3	0
213	Protein Corona-Mediated Extraction for Quantitative Analysis of Nanoplastics in Environmental Waters by Pyrolysis Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 6698-6705	7.8	15
212	Vincristine leads to colonic myenteric neurons injury via pro-inflammatory macrophages activation. <i>Biochemical Pharmacology</i> , 2021 , 186, 114479	6	1
211	Cytotoxicity Induction by the Oxidative Reactivity of Nanoparticles Revealed by a Combinatorial GNP Library with Diverse Redox Properties. <i>Molecules</i> , 2021 , 26,	4.8	2
210	Synergistic effects of carbon nanoparticle-Cr-Pb in PM cause cell cycle arrest via upregulating a novel lncRNA NONHSAT074301.2 in human bronchial epithelial cells. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125070	12.8	1
209	Quantification of Nanoplastic Uptake in Cucumber Plants by Pyrolysis Gas Chromatography/Mass Spectrometry. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 633-638	11	21
208	Progresses and emerging trends of arsenic research in the past 120 years. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1306-1353	11.1	9
207	Breakthrough of ZrO nanoparticles into fetal brains depends on developmental stage of maternal placental barrier and fetal blood-brain-barrier. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123563	12.8	15
206	Protamine assisted rapid synthesis of carbon dots for living nucleolus imaging and gene delivery applications. <i>Journal of Materials Science</i> , 2021 , 56, 4396-4406	4.3	5
205	Quantitative Analysis of Polystyrene and Poly(methyl methacrylate) Nanoplastics in Tissues of Aquatic Animals. <i>Environmental Science & Technology</i> , 2021 , 55, 3032-3040	10.3	19
204	Mitigation of Obesity-Related Systemic Low-Grade Inflammation and Gut Microbial Dysbiosis in Mice with Nanosilver Supplement.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2570-2582	4.1	1

203	Harmful algal blooms and their eco-environmental indication. <i>Chemosphere</i> , 2021 , 274, 129912	8.4	16
202	Prognostic and pharmacologic value of cystatin SN for chronic rhinosinusitis with nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 450-460	11.5	5
201	The leading role of adsorbed lead in PM-induced hippocampal neuronal apoptosis and synaptic damage. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125867	12.8	6
200	Co-exposures of TiO nanoparticles and cadmium ions at non-lethal doses aggravates liver injury in mice with ConA-induced hepatitis. <i>Environmental Toxicology and Pharmacology</i> , 2021 , 86, 103669	5.8	
199	Comprehensive Interrogation of Metabolic and Bioenergetic Responses of Early-Staged Zebrafish () to a Commercial Copper Hydroxide Nanopesticide. <i>Environmental Science & Technology</i> , 2021 , 55, 13033-13044	10.3	0
198	Toxic effects of acute exposure to polystyrene microplastics and nanoplastics on the model insect, silkworm <i>Bombyx mori</i> . <i>Environmental Pollution</i> , 2021 , 285, 117255	9.3	11
197	Nano-cell and nano-pollutant interactions constitute key elements in nanoparticle-pollutant combined cytotoxicity. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126259	12.8	2
196	Fe@C activated peroxymonosulfate system for effectively degrading emerging contaminants: Analysis of the formation and activation mechanism of Fe coordinately unsaturated metal sites. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126535	12.8	5
195	Effects of chemical and natural ageing on the release of potentially toxic metal additives in commercial PVC microplastics. <i>Chemosphere</i> , 2021 , 283, 131274	8.4	9
194	Electrostatic attraction of cationic pollutants by microplastics reduces their joint cytotoxicity. <i>Chemosphere</i> , 2021 , 282, 131121	8.4	5
193	Construction of a web-based nanomaterial database by big data curation and modeling friendly nanostructure annotations. <i>Nature Communications</i> , 2020 , 11, 2519	17.4	37
192	Oral intake of ZrO nanoparticles by pregnant mice results in nanoparticles' deposition in fetal brains. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110884	7	6
191	Regulating Protein Corona Formation and Dynamic Protein Exchange by Controlling Nanoparticle Hydrophobicity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 210	5.8	31
190	Coexposed nanoparticulate Ag alleviates the acute toxicity induced by ionic Agin vivo. <i>Science of the Total Environment</i> , 2020 , 723, 138050	10.2	15
189	Polyvinylidene fluoride micropore membrane for removal of the released nanoparticles during the application of nanoparticle-loaded water treatment materials. <i>Journal of Cleaner Production</i> , 2020 , 261, 121246	10.3	6
188	Crossing Biological Barriers by Engineered Nanoparticles. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1054-1060	15	15
187	A 2D-2D heterojunction BiWO/WS as a broad-spectrum bactericide: Sulfur vacancies mediate the interface interactions between biology and nanomaterials. <i>Biomaterials</i> , 2020 , 243, 119937	15.6	18
186	Cytotoxic Free Radicals on Air-Borne Soot Particles Generated by Burning Wood or Low-Maturity Coals. <i>Environmental Science & Technology</i> , 2020 , 54, 5608-5618	10.3	16

185	Speciation Analysis of AgS and ZnS Nanoparticles at the ng/L Level in Environmental Waters by Cloud Point Extraction Coupled with LC-ICPMS. <i>Analytical Chemistry</i> , 2020 , 92, 4765-4770	7.8	11
184	Analysis of model PM-induced inflammation and cytotoxicity by the combination of a virtual carbon nanoparticle library and computational modeling. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 191, 110216	7	13
183	The clinicopathological features and prognosis of serum AFP positive gastric cancer: a report of 16 cases. <i>International Journal of Clinical and Experimental Pathology</i> , 2020 , 13, 2439-2446	1.4	1
182	Regulation of Cell Uptake and Cytotoxicity by Nanoparticle Core under the Controlled Shape, Size, and Surface Chemistries. <i>ACS Nano</i> , 2020 , 14, 289-302	16.7	38
181	Regulation of Aryl Hydrocarbon Receptor Signaling Pathway and Dioxin Toxicity by Novel Agonists and Antagonists. <i>Chemical Research in Toxicology</i> , 2020 , 33, 614-624	4	3
180	Oral Co-Exposures to zinc oxide nanoparticles and CdCl induced maternal-fetal pollutant transfer and embryotoxicity by damaging placental barriers. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 109956	7	15
179	Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 665-676	7.9	50
178	The pyrethroid esfenvalerate induces hypoactivity and decreases dopamine transporter expression in embryonic/larval zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020 , 243, 125416	8.4	10
177	Virtual Molecular Projections and Convolutional Neural Networks for the End-to-End Modeling of Nanoparticle Activities and Properties. <i>Analytical Chemistry</i> , 2020 , 92, 13971-13979	7.8	7
176	The biodistribution and transformation of nanoparticulate and ionic silver in rat organs in vivo. <i>NanoImpact</i> , 2020 , 20, 100265	5.6	3
175	Reduced Beige Adipogenic Potential in Subcutaneous Adipocytes Derived from Obese Chinese Individuals. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020 , 13, 2551-2562	3.4	2
174	Opportunities and challenges of phyto-nanotechnology. <i>Environmental Science: Nano</i> , 2020 , 7, 2863-2874	4.1	7
173	Prediction of NanoBio Interactions through Convolutional Neural Network Analysis of Nanostructure Images. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 19096-19104	8.3	8
172	Remote Induction of Cell Autophagy by 2D MoS Nanosheets via Perturbing Cell Surface Receptors and mTOR Pathway from Outside of Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6829-6839	9.5	17
171	Universal nanohydrophobicity predictions using virtual nanoparticle library. <i>Journal of Cheminformatics</i> , 2019 , 11, 6	8.6	9
170	Cr(VI)/Pb are responsible for PM2.5-induced cytotoxicity in A549 cells while pulmonary surfactant alleviates such toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 172, 152-158	7	20
169	Design of Small Nanoparticles Decorated with Amphiphilic Ligands: Self-Preservation Effect and Translocation into a Plasma Membrane. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23822-23831	9.5	21
168	Induction of mTOR-dependent autophagy by WS nanosheets from both inside and outside of human cells. <i>Nanoscale</i> , 2019 , 11, 10684-10694	7.7	10

167	Alleviation of Pb pollution-induced oxidative stress and toxicity in microglial cells and zebrafish larvae by chicoric acid. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 180, 396-402	7	8
166	Induction of Inflammatory Responses in Human Bronchial Epithelial Cells by Pb-Containing Model PM Particles via Downregulation of a Novel Long Noncoding RNA Inc-PCK1-2:1. <i>Environmental Science & Technology</i> , 2019 , 53, 4566-4578	10.3	27
165	Why are nanoparticles trapped at cell junctions when the cell density is high?. <i>Nanoscale</i> , 2019 , 11, 6602-6609	14	
164	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019 , 6, 1283-1302	7.1	38
163	In silico profiling nanoparticles: predictive nanomodeling using universal nanodescriptors and various machine learning approaches. <i>Nanoscale</i> , 2019 , 11, 8352-8362	7.7	36
162	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. <i>Journal of Drug Targeting</i> , 2019 , 27, 201-210	5.4	19
161	Scattered Light Imaging Enables Real-Time Monitoring of Label-Free Nanoparticles and Fluorescent Biomolecules in Live Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14043-14047	16.4	19
160	Biotransformation and detoxification of the neonicotinoid insecticides nitenpyram and dinotefuran by <i>Phanerochaete sordida</i> YK-624. <i>Environmental Pollution</i> , 2019 , 252, 856-862	9.3	26
159	Size-dependent maternal-fetal transfer and fetal developmental toxicity of ZnO nanoparticles after oral exposures in pregnant mice. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109439	7	33
158	New thiazolidinones reduce iron overload in mouse models of hereditary hemochromatosis and β -thalassemia. <i>Haematologica</i> , 2019 , 104, 1768-1781	6.6	15
157	Interactions between silver nanoparticles and other metal nanoparticles under environmentally relevant conditions: A review. <i>Science of the Total Environment</i> , 2019 , 653, 1042-1051	10.2	66
156	Small Molecules as PD-1/PD-L1 Pathway Modulators for Cancer Immunotherapy. <i>Current Pharmaceutical Design</i> , 2018 , 24, 4911-4920	3.3	16
155	Ultrafine particle libraries for exploring mechanisms of PM-induced toxicity in human cells. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 157, 380-387	7	25
154	Induction of oxidative stress and sensitization of cancer cells to paclitaxel by gold nanoparticles with different charge densities and hydrophobicities. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1633-1639	3.3	32
153	China's Fight for Clean Air and Human Health. <i>Environmental Science & Technology</i> , 2018 , 52, 8063-8064	15	
152	PD-1/PD-L1 Inhibitors for Immuno-oncology: From Antibodies to Small Molecules. <i>Current Pharmaceutical Design</i> , 2018 , 23, 6033-6041	3.3	27
151	A human cell panel for evaluating safe application of nano-ZrO/polymer composite in water remediation. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 474-481	7	5
150	Interactions Between Nanoparticles and Dendritic Cells: From the Perspective of Cancer Immunotherapy. <i>Frontiers in Oncology</i> , 2018 , 8, 404	5.3	64

149	Susceptibility of Overweight Mice to Liver Injury as a Result of the ZnO Nanoparticle-Enhanced Liver Deposition of Pb. <i>Environmental Science & Technology</i> , 2017 , 51, 1775-1784	10.3	27
148	Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portal-of-Entry. <i>Small</i> , 2017 , 13, 1603830	11	20
147	Carbon Nanotubes: Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portal-of-Entry (Small 15/2017). <i>Small</i> , 2017 , 13,	11	1
146	Competitive Inhibition Mechanism of Acetylcholinesterase without Catalytic Active Site Interaction: Study on Functionalized C Nanoparticles via in Vitro and in Silico Assays. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18626-18638	9.5	29
145	Elucidation of the Molecular Determinants for Optimal Perfluorooctanesulfonate Adsorption Using a Combinatorial Nanoparticle Library Approach. <i>Environmental Science & Technology</i> , 2017 , 51, 7120-7127	10.3	7
144	LncRNA LINC00341 mediates PM-induced cell cycle arrest in human bronchial epithelial cells. <i>Toxicology Letters</i> , 2017 , 276, 1-10	4.4	27
143	Toward a systematic exploration of nano-bio interactions. <i>Toxicology and Applied Pharmacology</i> , 2017 , 323, 66-73	4.6	37
142	Hepatic Injuries Induced by Engineered Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2017 , 321-338.	3	1
141	Oral Exposure to Silver Nanoparticles or Silver Ions May Aggravate Fatty Liver Disease in Overweight Mice. <i>Environmental Science & Technology</i> , 2017 , 51, 9334-9343	10.3	57
140	Correction to Competitive Inhibition Mechanism of Acetylcholinesterase without Catalytic Active Site Interaction: Study on Functionalized C Nanoparticles via in Vitro and in Silico Assays. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44954	9.5	
139	Predicting Nano-Bio Interactions by Integrating Nanoparticle Libraries and Quantitative Nanostructure Activity Relationship Modeling. <i>ACS Nano</i> , 2017 , 11, 12641-12649	16.7	58
138	The small-molecule IAP antagonist AT406 inhibits pancreatic cancer cells in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 293-299	3.4	10
137	Fine particle-induced birth defects: Impacts of size, payload, and beyond. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2016 , 108, 196-206		19
136	Carbon nanotubes stimulate synovial inflammation by inducing systemic pro-inflammatory cytokines. <i>Nanoscale</i> , 2016 , 8, 18070-18086	7.7	20
135	Size-Dependent Facilitation of Cancer Cell Targeting by Proteins Adsorbed on Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30037-30047	9.5	19
134	The antinociception of oxytocin on colonic hypersensitivity in rats was mediated by inhibition of mast cell degranulation via Ca(2+)-NOS pathway. <i>Scientific Reports</i> , 2016 , 6, 31452	4.9	15
133	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
132	Enhancing both CT imaging and natural killer cell-mediated cancer cell killing by a GD2-targeting nanoconstruct. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 513-520	7.3	19

131	Negatively charged silver nanoparticles cause retinal vascular permeability by activating plasma contact system and disrupting adherens junction. <i>Nanotoxicology</i> , 2016 , 10, 501-11	5.3	17
130	Computer-aided design of carbon nanotubes with the desired bioactivity and safety profiles. <i>Nanotoxicology</i> , 2016 , 10, 374-83	5.3	24
129	Novel Natural Product- and Privileged Scaffold-Based Tubulin Inhibitors Targeting the Colchicine Binding Site. <i>Molecules</i> , 2016 , 21,	4.8	46
128	Reducing Both Pgp Overexpression and Drug Efflux with Anti-Cancer Gold-Paclitaxel Nanoconjugates. <i>PLoS ONE</i> , 2016 , 11, e0160042	3.7	12
127	Modulation of Carbon Nanotubes' Perturbation to the Metabolic Activity of CYP3A4 in the Liver. <i>Advanced Functional Materials</i> , 2016 , 26, 841-850	15.6	15
126	Carbon Nanotubes: Modulation of Carbon Nanotube's Perturbation to the Metabolic Activity of CYP3A4 in the Liver (Adv. Funct. Mater. 6/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 980-980	15.6	
125	Discovery of Novel Tricyclic Thiazepine Derivatives as Anti-Drug-Resistant Cancer Agents by Combining Diversity-Oriented Synthesis and Converging Screening Approach. <i>ACS Combinatorial Science</i> , 2016 , 18, 230-5	3.9	11
124	Aggravated hepatotoxicity occurs in aged mice but not in young mice after oral exposure to zinc oxide nanoparticles. <i>NanoImpact</i> , 2016 , 3-4, 1-11	5.6	19
123	Experimental modulation and computational model of nano-hydrophobicity. <i>Biomaterials</i> , 2015 , 52, 312-75.6	7.6	28
122	Improving both aqueous solubility and anti-cancer activity by assessing progressive lead optimization libraries. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1971-5	2.9	6
121	Robust Prediction of Personalized Cell Recognition from a Cancer Population by a Dual Targeting Nanoparticle Library. <i>Advanced Functional Materials</i> , 2015 , 25, 6927-6935	15.6	15
120	Safety Profile of TiO ₂ Based Photocatalytic Nanofabrics for Indoor Formaldehyde Degradation. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27721-9	6.3	11
119	Charge, size, and cellular selectivity for multiwall carbon nanotubes by maize and soybean. <i>Environmental Science & Technology</i> , 2015 , 49, 7380-90	10.3	77
118	Probing enzyme-nanoparticle interactions using combinatorial gold nanoparticle libraries. <i>Nano Research</i> , 2015 , 8, 1293-1308	10	26
117	Nanoadduct relieves: Alleviation of developmental toxicity of Cr(VI) due to its spontaneous adsorption to Mg(OH) ₂ nanoflakes. <i>Journal of Hazardous Materials</i> , 2015 , 287, 296-305	12.8	23
116	Reprogramming cellular signaling machinery using surface-modified carbon nanotubes. <i>Chemical Research in Toxicology</i> , 2015 , 28, 296-305	4	6
115	The novel tubulin polymerization inhibitor MHPT exhibits selective anti-tumor activity against rhabdomyosarcoma in vitro and in vivo. <i>PLoS ONE</i> , 2015 , 10, e0121806	3.7	10
114	Induction of size-dependent breakdown of blood-milk barrier in lactating mice by TiO ₂ nanoparticles. <i>PLoS ONE</i> , 2015 , 10, e0122591	3.7	29

113	Perturbation of physiological systems by nanoparticles. <i>Chemical Society Reviews</i> , 2014 , 43, 3762-809	58.5	102
112	Comparison of cancer cell survival triggered by microtubule damage after turning Dyrk1B kinase on and off. <i>ACS Chemical Biology</i> , 2014 , 9, 731-42	4.9	14
111	Cell rescue by nanosequestration: reduced cytotoxicity of an environmental remediation residue, Mg(OH) ₂ nanoflake/Cr(VI) adduct. <i>Environmental Science & Technology</i> , 2014 , 48, 1984-92	10.3	19
110	Tuning cell autophagy by diversifying carbon nanotube surface chemistry. <i>ACS Nano</i> , 2014 , 8, 2087-99	16.7	96
109	Chemical basis of interactions between engineered nanoparticles and biological systems. <i>Chemical Reviews</i> , 2014 , 114, 7740-81	68.1	398
108	P-glycoprotein-evading anti-tumor activity of a novel tubulin and HSP90 dual inhibitor in a non-small-cell lung cancer model. <i>Journal of Pharmacological Sciences</i> , 2014 , 126, 66-76	3.7	11
107	Nanotoxicity overview: nano-threat to susceptible populations. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 3671-97	6.3	72
106	Anti-tumor selectivity of a novel tubulin and HSP90 dual-targeting inhibitor in non-small cell lung cancer models. <i>Biochemical Pharmacology</i> , 2013 , 86, 351-60	6	24
105	Effects of nanotoxicity on female reproductivity and fetal development in animal models. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9319-37	6.3	63
104	Enhanced cancer cell killing by a targeting gold nanoconstruct with doxorubicin payload under X-ray irradiation. <i>RSC Advances</i> , 2013 , 3, 21596	3.7	13
103	Antitumor activity of (2E,5Z)-5-(2-hydroxybenzylidene)-2-((4-phenoxyphenyl)imino)thiazolidin-4-one, a novel microtubule-depolymerizing agent, in U87MG human glioblastoma cells and corresponding mouse xenograft model. <i>Journal of Pharmacological Sciences</i> , 2013 , 122, 223-31	3.7	11
102	Toward a better understanding of pharmacokinetics of nanomaterials. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6667-80	3.3	5
101	The potential health risk of titania nanoparticles. <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 404-13	12.8	22
100	Effective Surface Charge Density Determines the Electrostatic Attraction between Nanoparticles and Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4993-4998	3.8	66
99	Cell cycle regulation by carboxylated multiwalled carbon nanotubes through p53-independent induction of p21 under the control of the BMP signaling pathway. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1212-21	4	19
98	Pulmonary surfactant coating of multi-walled carbon nanotubes (MWCNTs) influences their oxidative and pro-inflammatory potential in vitro. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 17	8.4	64
97	Permission to enter cell by shape: nanodisk vs nanosphere. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4099-105	9.5	101
96	Size-dependent cell uptake of protein-coated graphene oxide nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2259-66	9.5	290

95	A nano-combinatorial approach to developing cancer diagnostics: nano-combinatorial diagnostics discovery. <i>Nanomedicine</i> , 2012 , 7, 937-40	5.6	3
94	Leading neuroblastoma cells to die by multiple premeditated attacks from a multifunctionalized nanoconstruct. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13918-21	16.4	26
93	Characterizing the surface chemistry of nanoparticles: an analogy to solid-phase synthesis samples. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011 , 14, 191-7	1.3	7
92	Safety profile and cellular uptake of biotemplated nanocapsules with nanometre-thin walls. <i>Nanoscale</i> , 2011 , 3, 2576-82	7.7	10
91	Enabling anticancer therapeutics by nanoparticle carriers: the delivery of Paclitaxel. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 4395-413	6.3	48
90	Enhancing cell recognition by scrutinizing cell surfaces with a nanoparticle array. <i>Journal of the American Chemical Society</i> , 2011 , 133, 680-2	16.4	58
89	Proteome interrogation using nanoprobe to identify targets of a cancer-killing molecule. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6886-9	16.4	21
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