Bing Yan

List of Publications by Citations

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
237	Chemical basis of interactions between engineered nanoparticles and biological systems. *Chemical Reviews*, **2014**, 114, 7740-81	68.1	398
236	Impact of silver nanoparticles on human cells: effect of particle size. *Nanotoxicology*, **2010**, 4, 319-30	5.3	367
235	Functionalized carbon nanotubes for potential medicinal applications. *Drug Discovery Today*, **2010**, 15, 428-35	8.8	297
234	Size-dependent cell uptake of protein-coated graphene oxide nanosheets. *ACS Applied Materials & Interfaces*, **2012**, 4, 2259-66	9.5	290
233	Repeated administrations of carbon nanotubes in male mice cause reversible testis damage without affecting fertility. *Nature Nanotechnology*, **2010**, 5, 683-9	28.7	226
232	Endosomal leakage and nuclear translocation of multiwalled carbon nanotubes: developing a model for cell uptake. *Nano Letters*, **2009**, 9, 4370-5	11.5	200
231	Clioquinol, a therapeutic agent for Alzheimer's disease, has proteasome-inhibitory, androgen receptor-suppressing, apoptosis-inducing, and antitumor activities in human prostate cancer cells and xenografts. *Cancer Research*, **2007**, 67, 1636-44	10.1	170
230	Design, synthesis, cytoselective toxicity, structure-activity relationships, and pharmacophore of thiazolidinone derivatives targeting drug-resistant lung cancer cells. *Journal of Medicinal Chemistry*, **2008**, 51, 1242-51	8.3	133
229	A nano-combinatorial library strategy for the discovery of nanotubes with reduced protein-binding, cytotoxicity, and immune response. *Nano Letters*, **2008**, 8, 859-65	11.5	122
228	The proteasome as a potential target for novel anticancer drugs and chemosensitizers. *Drug Resistance Updates*, **2006**, 9, 263-73	23.2	119
227	Infrared spectrum of a single resin bead for real-time monitoring of solid-phase reactions. *Journal of Organic Chemistry*, **1995**, 60, 5736-5738	4.2	117
226	Color regulation in the archaebacterial phototaxis receptor phoborhodopsin (sensory rhodopsin II). *Biochemistry*, **1990**, 29, 8467-74	3.2	115
225	Tumor cellular proteasome inhibition and growth suppression by 8-hydroxyquinoline and clioquinol requires their capabilities to bind copper and transport copper into cells. *Journal of Biological Inorganic Chemistry*, **2010**, 15, 259-69	3.7	104
224	Perturbation of physiological systems by nanoparticles. *Chemical Society Reviews*, **2014**, 43, 3762-809	58.5	102
223	Permission to enter cell by shape: nanodisk vs nanosphere. *ACS Applied Materials & Interfaces*, **2012**, 4, 4099-105	9.5	101
222	Monitoring the Progress and the Yield of Solid-Phase Organic Reactions Directly on Resin Supports. *Accounts of Chemical Research*, **1998**, 31, 621-630	24.3	101

221	Tuning cell autophagy by diversifying carbon nanotube surface chemistry. *ACS Nano*, **2014**, 8, 2087-99	16.7	96
220	Regulation of enzyme activity through interactions with nanoparticles. *International Journal of Molecular Sciences*, **2009**, 10, 4198-209	6.3	94
219	Functionalized carbon nanotubes specifically bind to alpha-chymotrypsin's catalytic site and regulate its enzymatic function. *Nano Letters*, **2009**, 9, 2280-4	11.5	93
218	Analytical strategies for detecting nanoparticle-protein interactions. *Analyst, The*, **2010**, 135, 1519-30	5	89
217	Enhancement of cell recognition in vitro by dual-ligand cancer targeting gold nanoparticles. *Biomaterials*, **2011**, 32, 2540-5	15.6	85
216	Identification of signaling states of a sensory receptor by modulation of lifetimes of stimulus-induced conformations: the case of sensory rhodopsin II. *Biochemistry*, **1991**, 30, 10686-92	3.2	79
215	Charge, size, and cellular selectivity for multiwall carbon nanotubes by maize and soybean. *Environmental Science & Technology*, **2015**, 49, 7380-90	10.3	77
214	Progression of Organic Reactions on Resin Supports Monitored by Single Bead FTIR Microspectroscopy. *Journal of Organic Chemistry*, **1996**, 61, 7467-7472	4.2	77
213	Steering carbon nanotubes to scavenger receptor recognition by nanotube surface chemistry modification partially alleviates NFB activation and reduces its immunotoxicity. *ACS Nano*, **2011**, 5, 4581-91	16.7	76
212	The adsorption of biomolecules to multi-walled carbon nanotubes is influenced by both pulmonary surfactant lipids and surface chemistry. *Journal of Nanobiotechnology*, **2010**, 8, 31	9.4	76
211	Effects of Polymer Supports on the Kinetics of Solid-Phase Organic Reactions: A Comparison of Polystyrene- and TentaGel-Based Resins. *Journal of Organic Chemistry*, **1998**, 63, 4092-4097	4.2	76
210	Use of cyclohexylisocyanide and methyl 2-isocyanoacetate as convertible isocyanides for microwave-assisted fluorous synthesis of 1,4-benzodiazepine-2,5-dione library. *ACS Combinatorial Science*, **2010**, 12, 206-14		74
209	Automated high-throughput system to fractionate plant natural products for drug discovery. *Journal of Natural Products*, **2010**, 73, 751-4	4.9	73
208	Nanotoxicity overview: nano-threat to susceptible populations. *International Journal of Molecular Sciences*, **2014**, 15, 3671-97	6.3	72
207	Quality control in combinatorial chemistry: determination of the quantity, purity, and quantitative purity of compounds in combinatorial libraries. *ACS Combinatorial Science*, **2003**, 5, 547-59		72
206	A Comparison of Various FTIR and FT Raman Methods:Applications in the Reaction Optimization Stage of Combinatorial Chemistry. *ACS Combinatorial Science*, **1999**, 1, 46-54		71
205	Effective Surface Charge Density Determines the Electrostatic Attraction between Nanoparticles and Cells. *Journal of Physical Chemistry C*, **2012**, 116, 4993-4998	3.8	66
204	Interactions between silver nanoparticles and other metal nanoparticles under environmentally relevant conditions: A review. *Science of the Total Environment*, **2019**, 653, 1042-1051	10.2	66

203	Pulmonary surfactant coating of multi-walled carbon nanotubes (MWCNTs) influences their oxidative and pro-inflammatory potential in vitro. *Particle and Fibre Toxicology*, **2012**, 9, 17	8.4	64
202	Suppression of human bone morphogenetic protein signaling by carboxylated single-walled carbon nanotubes. *ACS Nano*, **2009**, 3, 1139-44	16.7	64
201	Probing solid-phase reactions by monitoring the IR bands of compounds on a single flattened resin bead. *Tetrahedron*, **1996**, 52, 843-848	2.4	64
200	Interactions Between Nanoparticles and Dendritic Cells: From the Perspective of Cancer Immunotherapy. *Frontiers in Oncology*, **2018**, 8, 404	5.3	64
199	Effects of nanotoxicity on female reproductivity and fetal development in animal models. *International Journal of Molecular Sciences*, **2013**, 14, 9319-37	6.3	63
198	Analytical strategies for characterizing the surface chemistry of nanoparticles. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 973-82	4.4	60
197	Predicting Nano-Bio Interactions by Integrating Nanoparticle Libraries and Quantitative Nanostructure Activity Relationship Modeling. *ACS Nano*, **2017**, 11, 12641-12649	16.7	58
196	Enhancing cell recognition by scrutinizing cell surfaces with a nanoparticle array. *Journal of the American Chemical Society*, **2011**, 133, 680-2	16.4	58
195	Oral Exposure to Silver Nanoparticles or Silver Ions May Aggravate Fatty Liver Disease in Overweight Mice. *Environmental Science & Technology*, **2017**, 51, 9334-9343	10.3	57
194	Single bead IR monitoring of a novel benzimidazole synthesis. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 361-4	2.9	53
193	Advances in HPLC detection--towards universal detection. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 299-301	4.4	53
192	Real-Time Monitoring of the Catalytic Oxidation of Alcohols to Aldehydes and Ketones on Resin Support by Single-Bead Fourier Transform Infrared Microspectroscopy. *Journal of Organic Chemistry*, **1996**, 61, 8765-8770	4.2	50
191	Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. *International Journal of Biological Macromolecules*, **2020**, 143, 665-676	7.9	50
190	Spectral tuning in bacteriorhodopsin in the absence of counterion and coplanarization effects. *Journal of Biological Chemistry*, **1995**, 270, 29668-70	5.4	49
189	Enabling anticancer therapeutics by nanoparticle carriers: the delivery of Paclitaxel. *International Journal of Molecular Sciences*, **2011**, 12, 4395-413	6.3	48
188	Characterization of Protein Clusters of Diverse Magnetic Nanoparticles and Their Dynamic Interactions with Human Cells. *Journal of Physical Chemistry C*, **2009**, 113, 5390-5395	3.8	46
187	Novel Natural Product- and Privileged Scaffold-Based Tubulin Inhibitors Targeting the Colchicine Binding Site. *Molecules*, **2016**, 21,	4.8	46
186	Rapid Fluorescence Determination of the Absolute Amount of Aldehyde and Ketone Groups on Resin Supports. *Journal of Organic Chemistry*, **1997**, 62, 9354-9357	4.2	44

185	An indazole synthesis on solid support monitored by single bead FTIR microspectroscopy. *Tetrahedron Letters*, **1996**, 37, 8325-8328	2	43
184	Natural product-inspired synthesis of thiazolidine and thiazolidinone compounds and their anticancer activities. *Current Pharmaceutical Design*, **2010**, 16, 1826-42	3.3	42
183	Characterization of Organic Molecules Attached to Gold Nanoparticle Surface Using High Resolution Magic Angle Spinning 1H NMR. *Journal of Physical Chemistry C*, **2008**, 112, 19360-19366	3.8	41
182	High-throughput purification of combinatorial libraries I: a high-throughput purification system using an accelerated retention window approach. *ACS Combinatorial Science*, **2004**, 6, 255-61		39
181	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. *Environmental Science: Nano*, **2019**, 6, 1283-1302	7.1	38
180	Exploring the immunotoxicity of carbon nanotubes. *Nanoscale Research Letters*, **2008**, 3, 271-7	5	38
179	Evidence that the repellent receptor form of sensory rhodopsin I is an attractant signaling state. *Photochemistry and Photobiology*, **1991**, 54, 1023-6	3.6	38
178	Regulation of Cell Uptake and Cytotoxicity by Nanoparticle Core under the Controlled Shape, Size, and Surface Chemistries. *ACS Nano*, **2020**, 14, 289-302	16.7	38
177	Toward a systematic exploration of nano-bio interactions. *Toxicology and Applied Pharmacology*, **2017**, 323, 66-73	4.6	37
176	Construction of a web-based nanomaterial database by big data curation and modeling friendly nanostructure annotations. *Nature Communications*, **2020**, 11, 2519	17.4	37
175	In silico profiling nanoparticles: predictive nanomodeling using universal nanodescriptors and various machine learning approaches. *Nanoscale*, **2019**, 11, 8352-8362	7.7	36
174	Microwave-assisted fluorous synthesis of a 1,4-benzodiazepine-2,5-dione library. *ACS Combinatorial Science*, **2009**, 11, 1083-93		35
173	Microwave-assisted fluorous synthesis of 2-aryl-substituted 4-thiazolidinone and 4-thiazinanone libraries. *ACS Combinatorial Science*, **2008**, 10, 303-12		34
172	Size-dependent maternal-fetal transfer and fetal developmental toxicity of ZnO nanoparticles after oral exposures in pregnant mice. *Ecotoxicology and Environmental Safety*, **2019**, 182, 109439	7	33
171	High-throughput liquid chromatography ultraviolet/mass spectrometric analysis of combinatorial libraries using an eight-channel multiplexed electrospray time-of-flight mass spectrometer. *Rapid Communications in Mass Spectrometry*, **2002**, 16, 1440-7	2.2	33
170	Induction of oxidative stress and sensitization of cancer cells to paclitaxel by gold nanoparticles with different charge densities and hydrophobicities. *Journal of Materials Chemistry B*, **2018**, 6, 1633-1639	7.3	32
169	Single-bead analysis in combinatorial chemistry. *Current Opinion in Chemical Biology*, **2002**, 6, 328-32	9.7	32
168	Regulating Protein Corona Formation and Dynamic Protein Exchange by Controlling Nanoparticle Hydrophobicity. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 210	5.8	31

167	Kinetic Comparison of Trifluoroacetic Acid Cleavage Reactions of Resin-Bound Carbamates, Ureas, Secondary Amides, and Sulfonamides from Benzyl-, Benzhydryl-, and Indole-Based Linkers. *ACS Combinatorial Science*, **2000**, 2, 66-74		31
166	Competitive Inhibition Mechanism of Acetylcholinesterase without Catalytic Active Site Interaction: Study on Functionalized C Nanoparticles via in Vitro and in Silico Assays. *ACS Applied Materials & Interfaces*, **2017**, 9, 18626-18638	9.5	29
165	Biocompatibility of polymer grafted core/shell iron/carbon nanoparticles. *Biomaterials*, **2010**, 31, 5083-90	15.6	29
164	Induction of size-dependent breakdown of blood-milk barrier in lactating mice by TiO2 nanoparticles. *PLoS ONE*, **2015**, 10, e0122591	3.7	29
163	Experimental modulation and computational model of nano-hydrophobicity. *Biomaterials*, **2015**, 52, 312-7	15.6	28
162	Susceptibility of Overweight Mice to Liver Injury as a Result of the ZnO Nanoparticle-Enhanced Liver Deposition of Pb. *Environmental Science & Technology*, **2017**, 51, 1775-1784	10.3	27
161	LncRNA LINC00341 mediates PM-induced cell cycle arrest in human bronchial epithelial cells. *Toxicology Letters*, **2017**, 276, 1-10	4.4	27
160	Induction of Inflammatory Responses in Human Bronchial Epithelial Cells by Pb-Containing Model PM Particles via Downregulation of a Novel Long Noncoding RNA lnc-PCK1-2:1. *Environmental Science & Technology*, **2019**, 53, 4566-4578	10.3	27
159	Structural confirmation and quantification of individual ligands from the surface of multi-functionalized gold nanoparticles. *Analyst, The*, **2010**, 135, 1210-3	5	27
158	Crucial Factors Regulating Site Interactions in Resin Supports Determined by Single Bead IR. *Journal of Organic Chemistry*, **1998**, 63, 55-58	4.2	27
157	PD-1/PD-L1 Inhibitors for Immuno-oncology: From Antibodies to Small Molecules. *Current Pharmaceutical Design*, **2018**, 23, 6033-6041	3.3	27
156	Biotransformation and detoxification of the neonicotinoid insecticides nitenpyram and dinotefuran by Phanerochaete sordida YK-624. *Environmental Pollution*, **2019**, 252, 856-862	9.3	26
155	Probing enzyme-nanoparticle interactions using combinatorial gold nanoparticle libraries. *Nano Research*, **2015**, 8, 1293-1308	10	26
154	Leading neuroblastoma cells to die by multiple premeditated attacks from a multifunctionalized nanoconstruct. *Journal of the American Chemical Society*, **2011**, 133, 13918-21	16.4	26
153	Structure elucidation of nanoparticle-bound organic molecules by 1H NMR. *TrAC - Trends in Analytical Chemistry*, **2009**, 28, 88-95	14.6	26
152	Ultrafine particle libraries for exploring mechanisms of PM-induced toxicity in human cells. *Ecotoxicology and Environmental Safety*, **2018**, 157, 380-387	7	25
151	Color test for the detection of resin-bound aldehyde in solid-phase combinatorial synthesis. *ACS Combinatorial Science*, **2002**, 4, 120-4		25
150	High-throughput determination of identity, purity, and quantity of combinatorial library members using LC/MS/UV/ELSD. *Biotechnology and Bioengineering*, **2000**, 71, 162-71	4.9	25

149	Single-Bead Fluorescence Microspectroscopy:Detection of Self-Quenching in Fluorescence-Labeled Resin Beads. *ACS Combinatorial Science*, **1999**, 1, 78-81		25
148	Computer-aided design of carbon nanotubes with the desired bioactivity and safety profiles. *Nanotoxicology*, **2016**, 10, 374-83	5.3	24
147	Anti-tumor selectivity of a novel tubulin and HSP90 dual-targeting inhibitor in non-small cell lung cancer models. *Biochemical Pharmacology*, **2013**, 86, 351-60	6	24
146	Structure-dependent response of a chemiluminescence nitrogen detector for organic compounds with adjacent nitrogen atoms connected by a single bond. *Analytical Chemistry*, **2007**, 79, 718-26	7.8	24
145	Nanoadduct relieves: Alleviation of developmental toxicity of Cr(VI) due to its spontaneous adsorption to Mg(OH)2 nanoflakes. *Journal of Hazardous Materials*, **2015**, 287, 296-305	12.8	23
144	Solid-Phase Synthesis via 5-Oxazolidinones. Ring-Opening Reactions with Amines and Reaction Monitoring by Single-Bead FT-IR Microspectroscopy. *Journal of Organic Chemistry*, **1997**, 62, 5615-5618	4.2	23
143	A direct comparison of the mixing efficiency in solid-phase organic synthesis by single bead IR and fluorescence spectroscopy. *Tetrahedron Letters*, **1997**, 38, 6485-6488	2	23
142	The potential health risk of titania nanoparticles. *Journal of Hazardous Materials*, **2012**, 211-212, 404-13	12.8	22
141	Design of Small Nanoparticles Decorated with Amphiphilic Ligands: Self-Preservation Effect and Translocation into a Plasma Membrane. *ACS Applied Materials & Interfaces*, **2019**, 11, 23822-23831	9.5	21
140	Proteome interrogation using nanoprobes to identify targets of a cancer-killing molecule. *Journal of the American Chemical Society*, **2011**, 133, 6886-9	16.4	21
139	Determination of the Absolute Amount of Resin-Bound Hydroxyl or Carboxyl Groups for the Optimization of Solid-Phase Combinatorial and Parallel Organic Synthesis. *Analytical Chemistry*, **1999**, 71, 4564-4571	7.8	21
138	Quantification of Nanoplastic Uptake in Cucumber Plants by Pyrolysis Gas Chromatography/Mass Spectrometry. *Environmental Science and Technology Letters*, **2021**, 8, 633-638	11	21
137	Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portal-of-Entry. *Small*, **2017**, 13, 1603830	11	20
136	Cr(VI)/Pb are responsible for PM2.5-induced cytotoxicity in A549 cells while pulmonary surfactant alleviates such toxicity. *Ecotoxicology and Environmental Safety*, **2019**, 172, 152-158	7	20
135	Carbon nanotubes stimulate synovial inflammation by inducing systemic pro-inflammatory cytokines. *Nanoscale*, **2016**, 8, 18070-18086	7.7	20
134	Parallel high-throughput accurate mass measurement using a nine-channel multiplexed electrospray liquid chromatography ultraviolet time-of-flight mass spectrometry system. *Rapid Communications in Mass Spectrometry*, **2003**, 17, 1425-32	2.2	20
133	Fine particle-induced birth defects: Impacts of size, payload, and beyond. *Birth Defects Research Part C: Embryo Today Reviews*, **2016**, 108, 196-206		19
132	Size-Dependent Facilitation of Cancer Cell Targeting by Proteins Adsorbed on Nanoparticles. *ACS Applied Materials & Interfaces*, **2016**, 8, 30037-30047	9.5	19

131	Enhancing both CT imaging and natural killer cell-mediated cancer cell killing by a GD2-targeting nanoconstruct. *Journal of Materials Chemistry B*, **2016**, 4, 513-520	7.3	19
130	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. *Journal of Drug Targeting*, **2019**, 27, 201-210	5.4	19
129	Scattered Light Imaging Enables Real-Time Monitoring of Label-Free Nanoparticles and Fluorescent Biomolecules in Live Cells. *Journal of the American Chemical Society*, **2019**, 141, 14043-14047	16.4	19
128	Cell rescue by nanosequestration: reduced cytotoxicity of an environmental remediation residue, Mg(OH)2 nanoflake/Cr(VI) adduct. *Environmental Science & Technology*, **2014**, 48, 1984-92	10.3	19
127	Cell cycle regulation by carboxylated multiwalled carbon nanotubes through p53-independent induction of p21 under the control of the BMP signaling pathway. *Chemical Research in Toxicology*, **2012**, 25, 1212-21	4	19
126	Aggravated hepatotoxicity occurs in aged mice but not in young mice after oral exposure to zinc oxide nanoparticles. *NanoImpact*, **2016**, 3-4, 1-11	5.6	19
125	Quantitative Analysis of Polystyrene and Poly(methyl methacrylate) Nanoplastics in Tissues of Aquatic Animals. *Environmental Science & Technology*, **2021**, 55, 3032-3040	10.3	19
124	A 2D-2D heterojunction BiWO/WS as a broad-spectrum bactericide: Sulfur vacancies mediate the interface interactions between biology and nanomaterials. *Biomaterials*, **2020**, 243, 119937	15.6	18
123	Nano-combinatorial chemistry strategy for nanotechnology research. *ACS Combinatorial Science*, **2010**, 12, 215-21		18
122	Quantitatively monitoring of solid-phase organic synthesis by combustion elemental analysis. *Tetrahedron*, **1998**, 54, 11755-11766	2.4	18
121	Combination of Single Bead FTIR and Chemometrics in Combinatorial Chemistry: Application of the Multivariate Calibration Method in Monitoring Solid-Phase Organic Synthesis. *ACS Combinatorial Science*, **2001**, 3, 78-84		18
120	Remote Induction of Cell Autophagy by 2D MoS Nanosheets via Perturbing Cell Surface Receptors and mTOR Pathway from Outside of Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 6829-6839	9.5	17
119	Negatively charged silver nanoparticles cause retinal vascular permeability by activating plasma contact system and disrupting adherens junction. *Nanotoxicology*, **2016**, 10, 501-11	5.3	17
118	Steric constraints in the retinal binding pocket of sensory rhodopsin I. *Biochemistry*, **1993**, 32, 10224-32	3.2	17
117	Small Molecules as PD-1/PD-L1 Pathway Modulators for Cancer Immunotherapy. *Current Pharmaceutical Design*, **2018**, 24, 4911-4920	3.3	16
116	Cytotoxic Free Radicals on Air-Borne Soot Particles Generated by Burning Wood or Low-Maturity Coals. *Environmental Science & Technology*, **2020**, 54, 5608-5618	10.3	16
115	Harmful algal blooms and their eco-environmental indication. *Chemosphere*, **2021**, 274, 129912	8.4	16
114	Coexposed nanoparticulate Ag alleviates the acute toxicity induced by ionic Agin vivo. *Science of the Total Environment*, **2020**, 723, 138050	10.2	15

113	Crossing Biological Barriers by Engineered Nanoparticles. *Chemical Research in Toxicology*, **2020**, 33, 1055-1060	4	15
112	The antinociception of oxytocin on colonic hypersensitivity in rats was mediated by inhibition of mast cell degranulation via Ca(2+)-NOS pathway. *Scientific Reports*, **2016**, 6, 31452	4.9	15
111	China's Fight for Clean Air and Human Health. *Environmental Science & Technology*, **2018**, 52, 8063-8064	10.9	15
110	Robust Prediction of Personalized Cell Recognition from a Cancer Population by a Dual Targeting Nanoparticle Library. *Advanced Functional Materials*, **2015**, 25, 6927-6935	15.6	15
109	Oral Co-Exposures to zinc oxide nanoparticles and CdCl induced maternal-fetal pollutant transfer and embryotoxicity by damaging placental barriers. *Ecotoxicology and Environmental Safety*, **2020**, 189, 109956	7	15
108	Protein Corona-Mediated Extraction for Quantitative Analysis of Nanoplastics in Environmental Waters by Pyrolysis Gas Chromatography/Mass Spectrometry. *Analytical Chemistry*, **2021**, 93, 6698-6705	7.8	15
107	Modulation of Carbon Nanotubes' Perturbation to the Metabolic Activity of CYP3A4 in the Liver. *Advanced Functional Materials*, **2016**, 26, 841-850	15.6	15
106	New thiazolidinones reduce iron overload in mouse models of hereditary hemochromatosis and Ethalassemia. *Haematologica*, **2019**, 104, 1768-1781	6.6	15
105	Breakthrough of ZrO nanoparticles into fetal brains depends on developmental stage of maternal placental barrier and fetal blood-brain-barrier. *Journal of Hazardous Materials*, **2021**, 402, 123563	12.8	15
104	Why are nanoparticles trapped at cell junctions when the cell density is high?. *Nanoscale*, **2019**, 11, 6602-6609	7.7	14
103	Comparison of cancer cell survival triggered by microtubule damage after turning Dyrk1B kinase on and off. *ACS Chemical Biology*, **2014**, 9, 731-42	4.9	14
102	Dual detection approach to a more accurate measure of relative purity in high-throughput characterization of compound collections. *ACS Combinatorial Science*, **2008**, 10, 746-51		14
101	Analytical Methods in Combinatorial Chemistry. *Critical Reviews in Combinatorial Chemistry*, **2000**,		14
100	Analysis of model PM-induced inflammation and cytotoxicity by the combination of a virtual carbon nanoparticle library and computational modeling. *Ecotoxicology and Environmental Safety*, **2020**, 191, 110216	7	13
99	Enhanced cancer cell killing by a targeting gold nanoconstruct with doxorubicin payload under X-ray irradiation. *RSC Advances*, **2013**, 3, 21596	3.7	13
98	Reducing Both Pgp Overexpression and Drug Efflux with Anti-Cancer Gold-Paclitaxel Nanoconjugates. *PLoS ONE*, **2016**, 11, e0160042	3.7	12
97	Speciation Analysis of AgS and ZnS Nanoparticles at the ng/L Level in Environmental Waters by Cloud Point Extraction Coupled with LC-ICPMS. *Analytical Chemistry*, **2020**, 92, 4765-4770	7.8	11
96	P-glycoprotein-evading anti-tumor activity of a novel tubulin and HSP90 dual inhibitor in a non-small-cell lung cancer model. *Journal of Pharmacological Sciences*, **2014**, 126, 66-76	3.7	11

95	Safety Profile of TiO-Based Photocatalytic Nanofabrics for Indoor Formaldehyde Degradation. *International Journal of Molecular Sciences*, **2015**, 16, 27721-9	6.3	11
94	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. *Journal of Pharmacological Sciences*, **2013**, 122, 223-31	3.7	11
93	Advances in preclinical small molecules for the treatment of NSCLC. *Expert Opinion on Therapeutic Patents*, **2009**, 19, 731-51	6.8	11
92	Complexation of the Signal Transducing Protein HtrI to Sensory Rhodopsin I and Its Effect on Thermodynamics of Signaling State Deactivation. *Journal of Physical Chemistry B*, **1997**, 101, 109-113	3.4	11
91	Site-Site Isolation and Site-Site Interaction - Two Sides of the Same Coin. *International Journal of Peptide Research and Therapeutics*, **2007**, 13, 213-219	2.1	11
90	Discovery of Novel Tricyclic Thiazepine Derivatives as Anti-Drug-Resistant Cancer Agents by Combining Diversity-Oriented Synthesis and Converging Screening Approach. *ACS Combinatorial Science*, **2016**, 18, 230-5	3.9	11
89	Toxic effects of acute exposure to polystyrene microplastics and nanoplastics on the model insect, silkworm Bombyx mori. *Environmental Pollution*, **2021**, 285, 117255	9.3	11
88	Induction of mTOR-dependent autophagy by WS nanosheets from both inside and outside of human cells. *Nanoscale*, **2019**, 11, 10684-10694	7.7	10
87	The small-molecule IAP antagonist AT406 inhibits pancreatic cancer cells in vitro and in vivo. *Biochemical and Biophysical Research Communications*, **2016**, 478, 293-299	3.4	10
86	Safety profile and cellular uptake of biotemplated nanocapsules with nanometre-thin walls. *Nanoscale*, **2011**, 3, 2576-82	7.7	10
85	Kinetics study of amine cleavage reactions of various resin-bound thiophenol esters from marshall linker. *ACS Combinatorial Science*, **2002**, 4, 362-8		10
84	The novel tubulin polymerization inhibitor MHPT exhibits selective anti-tumor activity against rhabdomyosarcoma in vitro and in vivo. *PLoS ONE*, **2015**, 10, e0121806	3.7	10
83	The pyrethroid esfenvalerate induces hypoactivity and decreases dopamine transporter expression in embryonic/larval zebrafish (Danio rerio). *Chemosphere*, **2020**, 243, 125416	8.4	10
82	Universal nanohydrophobicity predictions using virtual nanoparticle library. *Journal of Cheminformatics*, **2019**, 11, 6	8.6	9
81	Role of Fourier transform infrared spectroscopy in the rehearsal phase of combinatorial chemistry: a thin-layer chromatography equivalent for on-support monitoring of solid-phase organic synthesis. *Biomedical Applications*, **1999**, 725, 91-102		9
80	Progresses and emerging trends of arsenic research in the past 120 years. *Critical Reviews in Environmental Science and Technology*, **2021**, 51, 1306-1353	11.1	9
79	Effects of chemical and natural ageing on the release of potentially toxic metal additives in commercial PVC microplastics. *Chemosphere*, **2021**, 283, 131274	8.4	9
78	Alleviation of Pb pollution-induced oxidative stress and toxicity in microglial cells and zebrafish larvae by chicoric acid. *Ecotoxicology and Environmental Safety*, **2019**, 180, 396-402	7	8

77	Sensitivity increase in the photophobic response of Halobacterium halobium reconstituted with retinal analogs: a novel interpretation for the fluence-response relationship and a kinetic modeling. *Photochemistry and Photobiology*, **1992**, 56, 1119-28	3.6	8
76	Prediction of Nano-Bio Interactions through Convolutional Neural Network Analysis of Nanostructure Images. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 19096-19104	8.3	8
75	A comprehensive review of strobilurin fungicide toxicity in aquatic species: Emphasis on mode of action from the zebrafish model. *Environmental Pollution*, **2021**, 275, 116671	9.3	8
74	Elucidation of the Molecular Determinants for Optimal Perfluorooctanesulfonate Adsorption Using a Combinatorial Nanoparticle Library Approach. *Environmental Science & Technology*, **2017**, 51, 7120-7127	10.3	7
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