

# Nachiket Vaze

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/777736/publications.pdf>

Version: 2024-02-01

139  
papers

6,528  
citations

43973

48  
h-index

76769

74  
g-index

140  
all docs

140  
docs citations

140  
times ranked

6608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Release of particulate matter from nano-enabled building materials (NEBMs) across their lifecycle: Potential occupational health and safety implications. <i>Journal of Hazardous Materials</i> , 2022, 422, 126771.	6.5	17
2	Quaternized chitosan as a biopolymer sanitizer for leafy vegetables: synthesis, characteristics, and traditional vs. dry nano-aerosol applications. <i>Food Chemistry</i> , 2022, 378, 132056.	4.2	7
3	Printer center nanoparticles alter the DNA repair capacity of human bronchial airway epithelial cells. <i>NanoImpact</i> , 2022, 25, 100379.	2.4	6
4	Elevated Urinary Biomarkers of Oxidative Damage in Photocopier Operators following Acute and Chronic Exposures. <i>Nanomaterials</i> , 2022, 12, 715.	1.9	7
5	Using engineered water nanostructures (EWNS) for wound disinfection: Case study of <i>Acinetobacter baumannii</i> inactivation on skin and the inhibition of biofilm formation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 42, 102537.	1.7	1
6	Association of nanoparticle exposure with serum metabolic disorders of healthy adults in printing centers. <i>Journal of Hazardous Materials</i> , 2022, 432, 128710.	6.5	6
7	Differential modulation of endothelial cytoplasmic protrusions after exposure to graphene-family nanomaterials. <i>NanoImpact</i> , 2022, 26, 100401.	2.4	3
8	Enhancing Agrichemical Delivery and Plant Development with Biopolymer-Based Stimuli Responsive Core-Shell Nanostructures. <i>ACS Nano</i> , 2022, 16, 6034-6048.	7.3	35
9	E-Cigarette (E-Cig) Liquid Composition and Operational Voltage Define the <i>In Vitro</i> Toxicity of $\delta^9$ -Tetrahydrocannabinol/Vitamin E Acetate ( $\delta^9$ THC/VEA) E-Cig Aerosols. <i>Toxicological Sciences</i> , 2022, 187, 279-297.	1.4	3
10	Inactivating SARS-CoV-2 Surrogates on Surfaces Using Engineered Water Nanostructures Incorporated with Nature Derived Antimicrobials. <i>Nanomaterials</i> , 2022, 12, 1735.	1.9	2
11	Biological Impacts of Reduced Graphene Oxide Affected by Protein Corona Formation. <i>Chemical Research in Toxicology</i> , 2022, 35, 1244-1256.	1.7	11
12	Sustainable Nutrient Substrates for Enhanced Seedling Development in Hydroponics. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8506-8516.	3.2	9
13	E-cigarette vaping associated acute lung injury (EVALI): state of science and future research needs. <i>Critical Reviews in Toxicology</i> , 2022, 52, 188-220.	1.9	12
14	Effects of ingested nanomaterials on tissue distribution of co-ingested zinc and iron in normal and zinc-deficient mice. <i>NanoImpact</i> , 2021, 21, 100279.	2.4	2
15	An overview of methods of fine and ultrafine particle collection for physicochemical characterisation and toxicity assessments. <i>Science of the Total Environment</i> , 2021, 756, 143553.	3.9	47
16	A novel antimicrobial technology to enhance food safety and quality of leafy vegetables using engineered water nanostructures. <i>Environmental Science: Nano</i> , 2021, 8, 514-526.	2.2	10
17	Effects of ingested nanocellulose and nanochitosan materials on carbohydrate digestion and absorption in an <i>in vitro</i> small intestinal epithelium model. <i>Environmental Science: Nano</i> , 2021, 8, 2554-2568.	2.2	6
18	High-Throughput Screening Platform for Nanoparticle-Mediated Alterations of DNA Repair Capacity. <i>ACS Nano</i> , 2021, 15, 4728-4746.	7.3	14

#	ARTICLE	IF	CITATIONS
19	Aerosol transmission of SARS-CoV-2 by children and adults during the COVID-19 pandemic. <i>Pediatric Pulmonology</i> , 2021, 56, 1389-1394.	1.0	27
20	Chronic upper airway and systemic inflammation from copier emitted particles in healthy operators at six Singaporean workplaces. <i>NanoImpact</i> , 2021, 22, 100325.	2.4	10
21	Fluorescently Labeled Cellulose Nanofibers for Environmental Health and Safety Studies. <i>Nanomaterials</i> , 2021, 11, 1015.	1.9	13
22	Co-exposure to boscalid and TiO <sub>2</sub> (E171) or SiO <sub>2</sub> (E551) downregulates cell junction gene expression in small intestinal epithelium cellular model and increases pesticide translocation. <i>NanoImpact</i> , 2021, 22, 100306.	2.4	12
23	New Multiscale Characterization Methodology for Effective Determination of Isolation-Structure-Function Relationship of Extracellular Vesicles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 669537.	2.0	7
24	Fate, cytotoxicity and cellular metabolomic impact of ingested nanoscale carbon dots using simulated digestion and a triculture small intestinal epithelial model. <i>NanoImpact</i> , 2021, 23, 100349.	2.4	10
25	Silica encapsulation of ZnO nanoparticles reduces their toxicity for cumulus cell-oocyte-complex expansion. <i>Particle and Fibre Toxicology</i> , 2021, 18, 33.	2.8	9
26	Predictors of indoor radon levels in the Midwest United States. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1515-1528.	0.9	4
27	Transcorneal delivery of topically applied silver nanoparticles does not delay epithelial wound healing. <i>NanoImpact</i> , 2021, 24, 100352.	2.4	7
28	Biotransformations and cytotoxicity of graphene and inorganic two-dimensional nanomaterials using simulated digestions coupled with a triculture <i>in vitro</i> model of the human gastrointestinal epithelium. <i>Environmental Science: Nano</i> , 2021, 8, 3233-3249.	2.2	10
29	Enzyme- and Relative Humidity-Responsive Antimicrobial Fibers for Active Food Packaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50298-50308.	4.0	33
30	Oxidized carbon black nanoparticles induce endothelial damage through C-X-C chemokine receptor 3-mediated pathway. <i>Redox Biology</i> , 2021, 47, 102161.	3.9	7
31	Toxicity, uptake, and nuclear translocation of ingested micro-nanoplastics in an <i>in vitro</i> model of the small intestinal epithelium. <i>Food and Chemical Toxicology</i> , 2021, 158, 112609.	1.8	31
32	Synthesis of Precision Gold Nanoparticles Using Turkevich Method. <i>KONA Powder and Particle Journal</i> , 2020, 37, 224-232.	0.9	143
33	Evaluation of the cytotoxic and cellular proteome impacts of food-grade TiO <sub>2</sub> (E171) using simulated gastrointestinal digestions and a tri-culture small intestinal epithelial model. <i>NanoImpact</i> , 2020, 17, 100202.	2.4	30
34	Physicochemical and Morphological Transformations of Chitosan Nanoparticles across the Gastrointestinal Tract and Cellular Toxicity in an <i>In Vitro</i> Model of the Small Intestinal Epithelium. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 358-368.	2.4	19
35	Effects of ingested food-grade titanium dioxide, silicon dioxide, iron (III) oxide and zinc oxide nanoparticles on an <i>in vitro</i> model of intestinal epithelium: Comparison between monoculture vs. a mucus-secreting coculture model. <i>NanoImpact</i> , 2020, 17, 100209.	2.4	24
36	Pilot deep RNA sequencing of worker blood samples from Singapore printing industry for occupational risk assessment. <i>NanoImpact</i> , 2020, 19, 100248.	2.4	8

#	ARTICLE	IF	CITATIONS
37	Development of Biodegradable and Antimicrobial Electrospun Zein Fibers for Food Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15354-15365.	3.2	63
38	A high-throughput method to characterize the gut bacteria growth upon engineered nanomaterial treatment. <i>Environmental Science: Nano</i> , 2020, 7, 3155-3166.	2.2	2
39	Cytotoxicity and cellular proteome impact of cellulose nanocrystals using simulated digestion and an in vitro small intestinal epithelium cellular model. <i>NanoImpact</i> , 2020, 20, 100269.	2.4	10
40	Lipid and protein corona of food-grade TiO <sub>2</sub> nanoparticles in simulated gastrointestinal digestion. <i>NanoImpact</i> , 2020, 20, 100272.	2.4	32
41	Enhancing Agrichemical Delivery and Seedling Development with Biodegradable, Tunable, Biopolymer-Based Nanofiber Seed Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9537-9548.	3.2	59
42	Synthesis and Physicochemical Transformations of Size-Sorted Graphene Oxide during Simulated Digestion and Its Toxicological Assessment against an In Vitro Model of the Human Intestinal Epithelium. <i>Small</i> , 2020, 16, e1907640.	5.2	20
43	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , 2020, 15, 164-166.	15.6	69
44	Human brain microvascular endothelial cell pairs model tissue-level blood-brain barrier function. <i>Integrative Biology (United Kingdom)</i> , 2020, 12, 64-79.	0.6	8
45	Safeguarding human and planetary health demands a fertilizer sector transformation. <i>Plants People Planet</i> , 2020, 2, 302-309.	1.6	31
46	Effects of ingested nanocellulose on intestinal microbiota and homeostasis in Wistar Han rats. <i>NanoImpact</i> , 2020, 18, 100216.	2.4	44
47	Occupational Inhalation Exposures to Nanoparticles at Six Singapore Printing Centers. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2389-2400.	4.6	36
48	Mapping 2D- and 3D-distributions of metal/metal oxide nanoparticles within cleared human ex vivo skin tissues. <i>NanoImpact</i> , 2020, 17, 100208.	2.4	11
49	Prediction of protein corona on nanomaterials by machine learning using novel descriptors. <i>NanoImpact</i> , 2020, 17, 100207.	2.4	62
50	Inhalation of printer-emitted particles impairs cardiac conduction, hemodynamics, and autonomic regulation and induces arrhythmia and electrical remodeling in rats. <i>Particle and Fibre Toxicology</i> , 2020, 17, 7.	2.8	19
51	Inflammation Increases Susceptibility of Human Small Airway Epithelial Cells to Pneumonic Nanotoxicity. <i>Small</i> , 2020, 16, 2000963.	5.2	15
52	Co-exposure to the food additives SiO <sub>2</sub> (E551) or TiO <sub>2</sub> (E171) and the pesticide boscalid increases cytotoxicity and bioavailability of the pesticide in a tri-culture small intestinal epithelium model: potential health implications. <i>Environmental Science: Nano</i> , 2019, 6, 2786-2800.	2.2	29
53	Small-Intestine-Specific Delivery of Antidiabetic Extracts from <i>Withania coagulans</i> Using Polysaccharide-Based Enteric-Coated Nanoparticles. <i>ACS Omega</i> , 2019, 4, 12049-12057.	1.6	21
54	Iron Oxide Nanoparticle-Induced Neoplastic-Like Cell Transformation <i>In Vitro</i> Is Reduced with a Protective Amorphous Silica Coating. <i>Chemical Research in Toxicology</i> , 2019, 32, 2382-2397.	1.7	10

#	ARTICLE	IF	CITATIONS
55	Comprehensive Assessment of Short-Lived ROS and H <sub>2</sub> O <sub>2</sub> in Laser Printer Emissions: Assessing the Relative Contribution of Metal Oxides and Organic Constituents. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7574-7583.	4.6	25
56	Toxicological effects of ingested nanocellulose in <i>in vitro</i> intestinal epithelium and <i>in vivo</i> rat models. <i>Environmental Science: Nano</i> , 2019, 6, 2105-2115.	2.2	93
57	Dispersion preparation, characterization, and dosimetric analysis of cellulose nano-fibrils and nano-crystals: Implications for cellular toxicological studies. <i>NanoImpact</i> , 2019, 15, 100171.	2.4	25
58	Development & characterization of fluorescently tagged nanocellulose for nanotoxicological studies. <i>Environmental Science: Nano</i> , 2019, 6, 1516-1526.	2.2	21
59	Inactivation of common hospital acquired pathogens on surfaces and in air utilizing engineered water nanostructures (EWNS) based nano-sanitizers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 234-242.	1.7	42
60	Inactivation of Hand Hygiene-Related Pathogens Using Engineered Water Nanostructures. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19761-19769.	3.2	13
61	Integrated Transcriptomics, Metabolomics, and Lipidomics Profiling in Rat Lung, Blood, and Serum for Assessment of Laser Printer-Emitted Nanoparticle Inhalation Exposure-Induced Disease Risks. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6348.	1.8	20
62	Thermal decomposition/incineration of nano-enabled coatings and effects of nanofiller/matrix properties and operational conditions on byproduct release dynamics: Potential environmental health implications. <i>NanoImpact</i> , 2019, 13, 44-55.	2.4	19
63	Scatter Enhanced Phase Contrast Microscopy for Discriminating Mechanisms of Active Nanoparticle Transport in Living Cells. <i>Nano Letters</i> , 2019, 19, 793-804.	4.5	17
64	Development of a standardized food model for studying the impact of food matrix effects on the gastrointestinal fate and toxicity of ingested nanomaterials. <i>NanoImpact</i> , 2019, 13, 13-25.	2.4	77
65	A nano-carrier platform for the targeted delivery of nature-inspired antimicrobials using Engineered Water Nanostructures for food safety applications. <i>Food Control</i> , 2019, 96, 365-374.	2.8	37
66	Development of high throughput, high precision synthesis platforms and characterization methodologies for toxicological studies of nanocellulose. <i>Cellulose</i> , 2018, 25, 2303-2319.	2.4	45
67	Assessing electronic cigarette emissions: linking physico-chemical properties to product brand, e-liquid flavoring additives, operational voltage and user puffing patterns. <i>Inhalation Toxicology</i> , 2018, 30, 78-88.	0.8	55
68	An integrated electrolysis “electrospray” ionization antimicrobial platform using Engineered Water Nanostructures (EWNS) for food safety applications. <i>Food Control</i> , 2018, 85, 151-160.	2.8	34
69	Effective delivery of sonication energy to fast settling and agglomerating nanomaterial suspensions for cellular studies: Implications for stability, particle kinetics, dosimetry and toxicity. <i>NanoImpact</i> , 2018, 10, 81-86.	2.4	47
70	Development of reference metal and metal oxide engineered nanomaterials for nanotoxicology research using high throughput and precision flame spray synthesis approaches. <i>NanoImpact</i> , 2018, 10, 26-37.	2.4	35
71	Assessment of reactive oxygen species generated by electronic cigarettes using acellular and cellular approaches. <i>Journal of Hazardous Materials</i> , 2018, 344, 549-557.	6.5	77
72	Analysis of lipid adsorption on nanoparticles by nanoflow liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6155-6164.	1.9	43

#	ARTICLE	IF	CITATIONS
73	Nano-TiO <sub>2</sub> Drives Epithelial-Mesenchymal Transition in Intestinal Epithelial Cancer Cells. <i>Small</i> , 2018, 14, e1800922.	5.2	53
74	Ingested engineered nanomaterials: state of science in nanotoxicity testing and future research needs. <i>Particle and Fibre Toxicology</i> , 2018, 15, 29.	2.8	128
75	Dissolution Behavior and Biodurability of Ingested Engineered Nanomaterials in the Gastrointestinal Environment. <i>ACS Nano</i> , 2018, 12, 8115-8128.	7.3	81
76	ISD3: a particokinetic model for predicting the combined effects of particle sedimentation, diffusion and dissolution on cellular dosimetry for in vitro systems. <i>Particle and Fibre Toxicology</i> , 2018, 15, 6.	2.8	65
77	Mussel-inspired 3D fiber scaffolds for heart-on-a-chip toxicity studies of engineered nanomaterials. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6141-6154.	1.9	66
78	Reducing Intestinal Digestion and Absorption of Fat Using a Nature-Derived Biopolymer: Interference of Triglyceride Hydrolysis by Nanocellulose. <i>ACS Nano</i> , 2018, 12, 6469-6479.	7.3	148
79	Development of high throughput, high precision synthesis platforms and characterization methodologies for toxicological studies of nanocellulose. <i>Cellulose</i> , 2018, 25, 2303-2319.	2.4	13
80	Preparation, characterization, and in vitro dosimetry of dispersed, engineered nanomaterials. <i>Nature Protocols</i> , 2017, 12, 355-371.	5.5	224
81	Toxicological implications of released particulate matter during thermal decomposition of nano-enabled thermoplastics. <i>NanoImpact</i> , 2017, 5, 29-40.	2.4	24
82	Nanotechnology for sustainable food production: promising opportunities and scientific challenges. <i>Environmental Science: Nano</i> , 2017, 4, 767-781.	2.2	202
83	Indoor Air Quality in Photocopy Centers, Nanoparticle Exposures at Photocopy Workstations, and the Need for Exposure Controls. <i>Annals of Occupational Hygiene</i> , 2017, 61, 110-122.	1.9	14
84	Nanofiller Presence Enhances Polycyclic Aromatic Hydrocarbon (PAH) Profile on Nanoparticles Released during Thermal Decomposition of Nano-enabled Thermoplastics: Potential Environmental Health Implications. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5222-5232.	4.6	26
85	Physicochemical and colloidal aspects of food matrix effects on gastrointestinal fate of ingested inorganic nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 165-180.	7.0	100
86	Evaluation of tumorigenic potential of CeO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> engineered nanoparticles by a human cell in vitro screening model. <i>NanoImpact</i> , 2017, 6, 39-54.	2.4	25
87	Nanoparticle exposures from nano-enabled toner-based printing equipment and human health: state of science and future research needs. <i>Critical Reviews in Toxicology</i> , 2017, 47, 683-709.	1.9	56
88	Cold plasma-activated hydrogen peroxide aerosol inactivates Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria innocua and maintains quality of grape tomato, spinach and cantaloupe. <i>International Journal of Food Microbiology</i> , 2017, 249, 53-60.	2.1	87
89	Nanotechnology to the rescue: using nano-enabled approaches in microbiological food safety and quality. <i>Current Opinion in Biotechnology</i> , 2017, 44, 87-93.	3.3	130
90	Synergistic effects of engineered nanoparticles and organics released from laser printers using nano-enabled toners: potential health implications from exposures to the emitted organic aerosol. <i>Environmental Science: Nano</i> , 2017, 4, 2144-2156.	2.2	26

#	ARTICLE	IF	CITATIONS
91	Potential impact of inorganic nanoparticles on macronutrient digestion: titanium dioxide nanoparticles slightly reduce lipid digestion under simulated gastrointestinal conditions. <i>Nanotoxicology</i> , 2017, 11, 1087-1101.	1.6	29
92	Protein corona: implications for nanoparticle interactions with pulmonary cells. <i>Particle and Fibre Toxicology</i> , 2017, 14, 42.	2.8	99
93	An integrated methodology for assessing the impact of food matrix and gastrointestinal effects on the biokinetics and cellular toxicity of ingested engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , 2017, 14, 40.	2.8	112
94	Short-term exposure to engineered nanomaterials affects cellular epigenome. <i>Nanotoxicology</i> , 2016, 10, 1-11.	1.6	82
95	Effects of engineered nanomaterial exposure on macrophage innate immune function. <i>NanoImpact</i> , 2016, 2, 70-81.	2.4	34
96	End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. <i>Environmental Science: Nano</i> , 2016, 3, 1293-1305.	2.2	31
97	The role of the food matrix and gastrointestinal tract in the assessment of biological properties of ingested engineered nanomaterials (iENMs): State of the science and knowledge gaps. <i>NanoImpact</i> , 2016, 3-4, 47-57.	2.4	103
98	Development and characterization of electronic-cigarette exposure generation system (Ecig-EGS) for the physico-chemical and toxicological assessment of electronic cigarette emissions. <i>Inhalation Toxicology</i> , 2016, 28, 658-669.	0.8	37
99	Optimization of a nanotechnology based antimicrobial platform for food safety applications using Engineered Water Nanostructures (EWNS). <i>Scientific Reports</i> , 2016, 6, 21073.	1.6	60
100	Toxicological Assessment of CoO and La <sub>2</sub> O <sub>3</sub> Metal Oxide Nanoparticles in Human Small Airway Epithelial Cells. <i>Toxicological Sciences</i> , 2016, 150, 418-428.	1.4	30
101	Thermal decomposition of nano-enabled thermoplastics: Possible environmental health and safety implications. <i>Journal of Hazardous Materials</i> , 2016, 305, 87-95.	6.5	55
102	Effects of intratracheally instilled laser printer-emitted engineered nanoparticles in a mouse model: A case study of toxicological implications from nanomaterials released during consumer use. <i>NanoImpact</i> , 2016, 1, 1-8.	2.4	41
103	Surface modification of zinc oxide nanoparticles with amorphous silica alters their fate in the circulation. <i>Nanotoxicology</i> , 2016, 10, 720-727.	1.6	32
104	<i>In vivo</i> epigenetic effects induced by engineered nanomaterials: A case study of copper oxide and laser printer-emitted engineered nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 629-639.	1.6	83
105	NanoEHS “defining fundamental science needs: no easy feat when the simple itself is complex. <i>Environmental Science: Nano</i> , 2016, 3, 15-27.	2.2	53
106	Direct stimulation of human fibroblasts by nCeO <sub>2</sub> in vitro is attenuated with an amorphous silica coating. <i>Particle and Fibre Toxicology</i> , 2015, 13, 23.	2.8	14
107	Advanced computational modeling for in vitro nanomaterial dosimetry. <i>Particle and Fibre Toxicology</i> , 2015, 12, 32.	2.8	131
108	Silica coating influences the corona and biokinetics of cerium oxide nanoparticles. <i>Particle and Fibre Toxicology</i> , 2015, 12, 31.	2.8	44

#	ARTICLE	IF	CITATIONS
109	Linking Exposures of Particles Released From Nano-Enabled Products to Toxicology: An Integrated Methodology for Particle Sampling, Extraction, Dispersion, and Dosing. <i>Toxicological Sciences</i> , 2015, 146, 321-333.	1.4	38
110	Implications of <i>in vitro</i> dosimetry on toxicological ranking of low aspect ratio engineered nanomaterials. <i>Nanotoxicology</i> , 2015, 9, 871-885.	1.6	63
111	Inactivation of Foodborne Microorganisms Using Engineered Water Nanostructures (EWNS). <i>Environmental Science &amp; Technology</i> , 2015, 49, 3737-3745.	4.6	70
112	Occupational exposure to nanoparticles at commercial photocopy centers. <i>Journal of Hazardous Materials</i> , 2015, 298, 351-360.	6.5	63
113	A critical review of <i>in vitro</i> dosimetry for engineered nanomaterials. <i>Nanomedicine</i> , 2015, 10, 3015-3032.	1.7	82
114	An integrated methodology for the assessment of environmental health implications during thermal decomposition of nano-enabled products. <i>Environmental Science: Nano</i> , 2015, 2, 262-272.	2.2	39
115	<i>In Vitro</i> Toxicity and Epigenotoxicity of Different Types of Ambient Particulate Matter. <i>Toxicological Sciences</i> , 2015, 148, 473-487.	1.4	29
116	Effects of amorphous silica coating on cerium oxide nanoparticles induced pulmonary responses. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 63-73.	1.3	58
117	Small airway epithelial cells exposure to printer-emitted engineered nanoparticles induces cellular effects on human microvascular endothelial cells in an alveolar-capillary co-culture model. <i>Nanotoxicology</i> , 2015, 9, 769-779.	1.6	45
118	Engineering safer-by-design silica-coated ZnO nanorods with reduced DNA damage potential. <i>Environmental Science: Nano</i> , 2014, 1, 144.	2.2	85
119	Screening for oxidative damage by engineered nanomaterials: a comparative evaluation of FRAS and DCFH. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	20
120	Mycobacteria inactivation using Engineered Water Nanostructures (EWNS). <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1175-1183.	1.7	30
121	The yin: an adverse health perspective of nanoceria: uptake, distribution, accumulation, and mechanisms of its toxicity. <i>Environmental Science: Nano</i> , 2014, 1, 406-428.	2.2	106
122	A chemical free, nanotechnology-based method for airborne bacterial inactivation using engineered water nanostructures. <i>Environmental Science: Nano</i> , 2014, 1, 15-26.	2.2	49
123	Capture, isolation and electrochemical detection of industrially-relevant engineered aerosol nanoparticles using poly (amic) acid, phase-inverted, nano-membranes. <i>Journal of Hazardous Materials</i> , 2014, 279, 365-374.	6.5	3
124	Estimating the effective density of engineered nanomaterials for <i>in vitro</i> dosimetry. <i>Nature Communications</i> , 2014, 5, 3514.	5.8	247
125	Real-Time Nanoparticle-Cell Interactions in Physiological Media by Atomic Force Microscopy. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1681-1690.	3.2	62
126	An integrated approach for the <i>in vitro</i> dosimetry of engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , 2014, 11, 20.	2.8	184



#	ARTICLE	IF	CITATIONS
127	Bioavailability, distribution and clearance of tracheally instilled, gavaged or injected cerium dioxide nanoparticles and ionic cerium. <i>Environmental Science: Nano</i> , 2014, 1, 561-573.	2.2	62
128	Physicochemical and morphological characterisation of nanoparticles from photocopiers: implications for environmental health. <i>Nanotoxicology</i> , 2013, 7, 989-1003.	1.6	80
129	An <i>in vivo</i> and <i>in vitro</i> toxicological characterisation of realistic nanoscale CeO <sub>2</sub> inhalation exposures. <i>Nanotoxicology</i> , 2013, 7, 1338-1350.	1.6	135
130	Interactions of engineered nanomaterials in physiological media and implications for <i>in vitro</i> dosimetry. <i>Nanotoxicology</i> , 2013, 7, 417-431.	1.6	190
131	A novel method for bacterial inactivation using electrosprayed water nanostructures. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	30
132	An advanced numerical model for the assessment of airborne transmission of influenza in bus microenvironments. <i>Building and Environment</i> , 2012, 47, 67-75.	3.0	102
133	Experimental and numerical investigation of micro-environmental conditions in public transportation buses. <i>Building and Environment</i> , 2010, 45, 2077-2088.	3.0	59
134	Development and characterization of a Versatile Engineered Nanomaterial Generation System (VENGES) suitable for toxicological studies. <i>Inhalation Toxicology</i> , 2010, 22, 107-116.	0.8	55
135	Development and Evaluation of a High Loading PM <sub>2.5</sub> Speciation Sampler. <i>Aerosol Science and Technology</i> , 2004, 38, 111-119.	1.5	21
136	Effects of Physicochemical Properties of Ultrafine Particles on the Performance of an Ultrafine Particle Concentrator. <i>Aerosol Science and Technology</i> , 2004, 38, 37-45.	1.5	19
137	Development of a High-Volume Concentrated Ambient Particles System (CAPS) for Human and Animal Inhalation Toxicological Studies. <i>Inhalation Toxicology</i> , 2003, 15, 111-129.	0.8	29
138	Development and Laboratory Performance Evaluation of a Personal Cascade Impactor. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 1230-1237.	0.9	38
139	Development and Evaluation of an Impactor for a PM <sub>2.5</sub> Speciation Sampler. <i>Journal of the Air and Waste Management Association</i> , 2001, 51, 514-523.	0.9	27