

# Andrew D Maynard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8194750/publications.pdf>

Version: 2024-02-01

119  
papers

15,247  
citations

70961

41  
h-index

32761

100  
g-index

127  
all docs

127  
docs citations

127  
times ranked

13546  
citing authors

#	ARTICLE	IF	CITATIONS
1	How to Succeed as an Academic on YouTube. <i>Frontiers in Communication</i> , 2021, 5, .	0.6	12
2	Survey of industrial perceptions for the use of nanomaterials for in-home drinking water purification devices. <i>NanoImpact</i> , 2021, 22, 100320.	2.4	13
3	State of knowledge on the occupational exposure to carbon nanotubes. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 225, 113472.	2.1	31
4	Public perceptions for the use of nanomaterials for in-home drinking water purification devices. <i>NanoImpact</i> , 2020, 18, 100220.	2.4	15
5	The Ethical and Responsible Development and Application of Advanced Brain Machine Interfaces. <i>Journal of Medical Internet Research</i> , 2019, 21, e16321.	2.1	10
6	Responsible innovation in a culture of entrepreneurship: a US perspective. , 2019, , .		2
7	Thinking Differently about Risk. <i>Astrobiology</i> , 2018, 18, 244-245.	1.5	1
8	Exploring Boundaries Around the Safe Use of Advanced Materials. , 2018, , 427-452.		1
9	A "resolution-focused" comparative risk assessment of conventional and synthetic biology approaches to control mosquitoes carrying the dengue fever virus. <i>Environment Systems and Decisions</i> , 2018, 38, 177-197.	1.9	18
10	Are assumptions of consumer views impeding nano-based water treatment technologies?. <i>Nature Nanotechnology</i> , 2018, 13, 673-674.	15.6	27
11	Nanomaterials in Cosmetics. , 2018, , 289-302.		6
12	A critical analysis of the environmental dossiers from the OECD sponsorship programme for the testing of manufactured nanomaterials. <i>Environmental Science: Nano</i> , 2017, 4, 282-291.	2.2	38
13	'Safe handling of nanotechnology' ten years on. <i>Nature Nanotechnology</i> , 2016, 11, 998-1000.	15.6	53
14	Protein corona-induced modification of silver nanoparticle aggregation in simulated gastric fluid. <i>Environmental Science: Nano</i> , 2016, 3, 1510-1520.	2.2	59
15	Navigating the risk landscape. <i>Nature Nanotechnology</i> , 2016, 11, 211-212.	15.6	6
16	Exposure to Power-Frequency Magnetic Fields and the Risk of Infertility and Adverse Pregnancy Outcomes: Update on the Human Evidence and Recommendations for Future Study Designs. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 29-45.	2.9	23
17	Is nanotech failing casual learners?. <i>Nature Nanotechnology</i> , 2016, 11, 734-735.	15.6	4
18	Mitigating Risks to Pregnant Teens from Zika Virus. <i>Journal of Law, Medicine and Ethics</i> , 2016, 44, 657-659.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Are we ready for spray-on carbon nanotubes?. Nature Nanotechnology, 2016, 11, 490-491.	15.6	10
20	Repeated dose (28-day) administration of silver nanoparticles of varied size and coating does not significantly alter the indigenous murine gut microbiome. Nanotoxicology, 2016, 10, 513-520.	1.6	88
21	The Challenge of Nanomaterial Risk Assessment. , 2016, , 1-20.		1
22	PERSONAL MEASURES OF POWER-FREQUENCY MAGNETIC FIELD EXPOSURE AMONG MEN FROM AN INFERTILITY CLINIC: DISTRIBUTION, TEMPORAL VARIABILITY AND CORRELATION WITH THEIR FEMALE PARTNERS' EXPOSURE. Radiation Protection Dosimetry, 2016, 172, 401-408.	0.4	2
23	Effects of particle size and coating on toxicologic parameters, fecal elimination kinetics and tissue distribution of acutely ingested silver nanoparticles in a mouse model. Nanotoxicology, 2016, 10, 352-360.	1.6	65
24	Learning from the past. Nature Nanotechnology, 2015, 10, 482-483.	15.6	3
25	The (nano) entrepreneur's dilemma. Nature Nanotechnology, 2015, 10, 199-200.	15.6	16
26	Navigating the fourth industrial revolution. Nature Nanotechnology, 2015, 10, 1005-1006.	15.6	173
27	Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science. Journal of Physics: Conference Series, 2015, 617, 012026.	0.3	50
28	Rapid Kinetics of Size and pH-Dependent Dissolution and Aggregation of Silver Nanoparticles in Simulated Gastric Fluid. Journal of Physical Chemistry C, 2015, 119, 20632-20641.	1.5	120
29	Why we need risk innovation. Nature Nanotechnology, 2015, 10, 730-731.	15.6	13
30	The psychology of "regrettable substitutions"™: examining consumer judgements of Bisphenol A and its alternatives. Health, Risk and Society, 2014, 16, 649-666.	0.9	23
31	Could we 3D print an artificial mind?. Nature Nanotechnology, 2014, 9, 955-956.	15.6	9
32	Nanotechnology: Rhetoric, risk and regulation. Science and Public Policy, 2014, 41, 1-14.	1.2	31
33	What Are the Warning Signs That We Should Be Looking For?. , 2014, , 9-24.		1
34	Exploring Boundaries Around the Safe Use of Advanced Materials. , 2014, , 339-363.		1
35	A decade of uncertainty. Nature Nanotechnology, 2014, 9, 159-160.	15.6	23
36	Old materials, new challenges?. Nature Nanotechnology, 2014, 9, 658-659.	15.6	23

#	ARTICLE	IF	CITATIONS
37	Is novelty overrated?. Nature Nanotechnology, 2014, 9, 409-410.	15.6	10
38	Responsible Innovation, Global Governance, and Emerging Technologies. , 2013, , 192-211.		1
39	Recommendations for Nanomedicine Human Subjects Research Oversight: An Evolutionary Approach for an Emerging Field. Journal of Law, Medicine and Ethics, 2012, 40, 716-750.	0.4	22
40	Handling Worker and Third-Party Exposures to Nanotherapeutics During Clinical Trials. Journal of Law, Medicine and Ethics, 2012, 40, 856-864.	0.4	7
41	Challenges of Trainees in a Multidisciplinary Research Program: Nano-Biotechnology. Journal of Chemical Education, 2011, 88, 53-55.	1.1	4
42	A Strategy for Assessing Workplace Exposures to Nanomaterials. Journal of Occupational and Environmental Hygiene, 2011, 8, 673-685.	0.4	93
43	Don't define nanomaterials. Nature, 2011, 475, 31-31.	13.7	158
44	Challenges in Nanoparticle Risk Assessment. , 2011, , 1-19.		2
45	The problem of regulating sophisticated materials. Nature Materials, 2011, 10, 554-557.	13.3	27
46	The New Toxicology of Sophisticated Materials: Nanotoxicology and Beyond. Toxicological Sciences, 2011, 120, S109-S129.	1.4	287
47	Exposure Assessment Approaches for Engineered Nanomaterials. Risk Analysis, 2010, 30, 1634-1644.	1.5	108
48	Nano Risk Analysis: Advancing the Science for Nanomaterials Risk Management. Risk Analysis, 2010, 30, 1680-1687.	1.5	22
49	Introduction: The Regulatory Challenges for Nanotechnologies. , 2010, , .		3
50	Conclusions: Triggers, Gaps, Risks and Trust. , 2010, , .		3
51	Nanoparticles "one word: A multiplicity of different hazards. Nanotoxicology, 2009, 3, 263-264.	1.6	11
52	Comparison of two estimation methods for surface area concentration using number concentration and mass concentration of combustion-related ultrafine particles. Atmospheric Environment, 2009, 43, 502-509.	1.9	19
53	Too small to overlook. Nature, 2009, 460, 174-174.	13.7	36
54	Commentary: Oversight of Engineered Nanomaterials in the Workplace. Journal of Law, Medicine and Ethics, 2009, 37, 651-658.	0.4	5

#	ARTICLE	IF	CITATIONS
55	Living with nanoparticles. Nano Today, 2008, 3, 64.	6.2	1
56	Carbon nanotubes introduced into the abdominal cavity of mice show asbestos-like pathogenicity in a pilot study. Nature Nanotechnology, 2008, 3, 423-428.	15.6	2,349
57	Late lessons from early warnings for nanotechnology. Nature Nanotechnology, 2008, 3, 444-447.	15.6	132
58	Inhalation vs. aspiration of single-walled carbon nanotubes in C57BL/6 mice: inflammation, fibrosis, oxidative stress, and mutagenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L552-L565.	1.3	562
59	Recirculating Air Filtration Significantly Reduces Exposure to Airborne Nanoparticles. Environmental Health Perspectives, 2008, 116, 863-866.	2.8	70
60	Relationships Among Particle Number, Surface Area, and Respirable Mass Concentrations in Automotive Engine Manufacturing. Journal of Occupational and Environmental Hygiene, 2008, 6, 19-31.	0.4	73
61	Assessing exposure to airborne nanomaterials: Current abilities and future requirements. Nanotoxicology, 2007, 1, 26-41.	1.6	235
62	Observation and measurement of anomalous responses in a differential mobility analyzer caused by ultrafine fibrous carbon aerosols. Journal of Electrostatics, 2007, 65, 542-548.	1.0	22
63	Nanotechnologies: Overview and Issues. , 2007, , 1-14.		7
64	Nanotoxicology. , 2007, , 1-6.		3
65	Nanotechnology: The Next Big Thing, or Much Ado about Nothing?. Annals of Occupational Hygiene, 2006, 51, 1-12.	1.9	231
66	Research Strategies for Safety Evaluation of Nanomaterials, Part IV: Risk Assessment of Nanoparticles. Toxicological Sciences, 2006, 89, 42-50.	1.4	421
67	Translocation of Inhaled Ultrafine Manganese Oxide Particles to the Central Nervous System. Environmental Health Perspectives, 2006, 114, 1172-1178.	2.8	968
68	Generation and investigation of airborne silver nanoparticles with specific size and morphology by homogeneous nucleation, coagulation and sintering. Journal of Aerosol Science, 2006, 37, 452-470.	1.8	62
69	Nanotechnology: assessing the risks. Nano Today, 2006, 1, 22-33.	6.2	193
70	Safe handling of nanotechnology. Nature, 2006, 444, 267-269.	13.7	1,352
71	Health risk assessment for nanoparticles: A case for using expert judgment. Journal of Nanoparticle Research, 2006, 9, 137-156.	0.8	98
72	Phospholipid lung surfactant and nanoparticle surface toxicity: Lessons from diesel soots and silicate dusts. Journal of Nanoparticle Research, 2006, 9, 23-38.	0.8	77

#	ARTICLE	IF	CITATIONS
73	Nanotechnology and occupational health: New technologies â€“ new challenges. Journal of Nanoparticle Research, 2006, 9, 1-3.	0.8	28
74	Measuring particle size-dependent physicochemical structure in airborne single walled carbon nanotube agglomerates. Journal of Nanoparticle Research, 2006, 9, 85-92.	0.8	39
75	In situ structure characterization of airborne carbon nanofibres by a tandem mobilityâ€™ mass analysis. Nanotechnology, 2006, 17, 3613-3621.	1.3	61
76	Phospholipid lung surfactant and nanoparticle surface toxicity: Lessons from diesel soots and silicate dusts. , 2006, , 23-38.		3
77	Nanotechnology and occupational health: New technologies â€™ new challenges. , 2006, , 1-3.		1
78	Health risk assessment for nanoparticles: A case for using expert judgment. , 2006, , 137-156.		14
79	Women's personal and indoor exposures to PM2.5 in Mysore, India: Impact of domestic fuel usage. Atmospheric Environment, 2005, 39, 5500-5508.	1.9	40
80	Fine particle number and mass concentration measurements in urban Indian households. Science of the Total Environment, 2005, 347, 131-147.	3.9	32
81	Airborne Nanostructured Particles and Occupational Health. Journal of Nanoparticle Research, 2005, 7, 587-614.	0.8	464
82	Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy. Particle and Fibre Toxicology, 2005, 2, 8.	2.8	1,678
83	Thoracic Size-Selective Sampling of Fibres: Performance of Four Types of Thoracic Sampler in Laboratory Tests. Annals of Occupational Hygiene, 2005, 49, 481-92.	1.9	10
84	Laboratory and Field Evaluation of a New Personal Sampling System for Assessing the Protection Provided by the N95 Filtering Facepiece Respirators against Particles. Annals of Occupational Hygiene, 2005, 49, 245-57.	1.9	40
85	Evaluation of Misting Controls to Reduce Respirable Silica Exposure for Brick Cutting. Annals of Occupational Hygiene, 2005, 49, 503-10.	1.9	9
86	The Mapping of Fine and Ultrafine Particle Concentrations in an Engine Machining and Assembly Facility. Annals of Occupational Hygiene, 2005, 50, 249-57.	1.9	90
87	Unusual inflammatory and fibrogenic pulmonary responses to single-walled carbon nanotubes in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L698-L708.	1.3	1,144
88	Comparing aerosol surface-area measurements of monodisperse ultrafine silver agglomerates by mobility analysis, transmission electron microscopy and diffusion charging. Journal of Aerosol Science, 2005, 36, 1108-1124.	1.8	96
89	Responsible nanotech at work. Materials Today, 2004, 7, 56.	8.3	1
90	Exposure to Carbon Nanotube Material: Aerosol Release During the Handling of Unrefined Single-Walled Carbon Nanotube Material. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2004, 67, 87-107.	1.1	675

#	ARTICLE	IF	CITATIONS
91	Development of a Personal Sampler for Collecting Fungal Spores. <i>Aerosol Science and Technology</i> , 2004, 38, 926-937.	1.5	40
92	Examining Elemental Surface Enrichment in Ultrafine Aerosol Particles Using Analytical Scanning Transmission Electron Microscopy. <i>Aerosol Science and Technology</i> , 2004, 38, 365-381.	1.5	21
93	Aerosols in the industrial environment. , 2004, , 220-259.		1
94	Exposure to Carbon Nanotube Material: Assessment of Nanotube Cytotoxicity using Human Keratinocyte Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 1909-1926.	1.1	1,104
95	Development and Validation of a Simple Numerical Model for Estimating Workplace Aerosol Size Distribution Evolution Through Coagulation, Settling, and Diffusion. <i>Aerosol Science and Technology</i> , 2003, 37, 804-817.	1.5	10
96	Estimating Aerosol Surface Area from Number and Mass Concentration Measurements. <i>Annals of Occupational Hygiene</i> , 2003, 47, 123-44.	1.9	46
97	OVERVIEW OF METHODS FOR ANALYSING SINGLE ULTRAFINE PARTICLES. , 2003, , 37-60.		0
98	Investigation of the Aerosols Produced by a High-speed, Hand-held Grinder Using Various Substrates. <i>Annals of Occupational Hygiene</i> , 2002, 46, 663-72.	1.9	57
99	Thoracic Size-selection of Fibres: Dependence of Penetration on Fibre Length for Five Thoracic Sampler Types. <i>Annals of Occupational Hygiene</i> , 2002, 46, 511-22.	1.9	10
100	A derived association between ambient aerosol surface area and excess mortality using historic time series data. <i>Atmospheric Environment</i> , 2002, 36, 5561-5567.	1.9	63
101	Overview of methods for analysing single ultrafine particles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 2593-2610.	1.6	32
102	A SIMPLE MODEL OF AXIAL FLOW CYCLONE PERFORMANCE UNDER LAMINAR FLOW CONDITIONS. <i>Journal of Aerosol Science</i> , 2000, 31, 151-167.	1.8	25
103	THE SAMPLING EFFICIENCY OF PERSONAL INHALABLE AEROSOL SAMPLERS IN LOW AIR MOVEMENT ENVIRONMENTS. <i>Journal of Aerosol Science</i> , 1999, 30, 627-638.	1.8	81
104	AEROSOL INHALABILITY IN LOW AIR MOVEMENT ENVIRONMENTS. <i>Journal of Aerosol Science</i> , 1999, 30, 613-626.	1.8	82
105	Development of a system to rapidly measure sampler penetration up to 20 $\hat{1}$ / <sub>4</sub> m aerodynamic diameter in calm air, using the aerodynamic particle sizer. <i>Journal of Aerosol Science</i> , 1999, 30, 1215-1226.	1.8	13
106	Measurement of aerosol penetration through six personal thoracic samplers under calm air conditions. <i>Journal of Aerosol Science</i> , 1999, 30, 1227-1242.	1.8	26
107	A Survey of Wind Speeds in Indoor Workplaces. <i>Annals of Occupational Hygiene</i> , 1998, 42, 303-313.	1.9	134
108	An Investigation of Short-Term Gravimetric Sampling in Pig Farms and Bakeries. <i>Journal of Occupational and Environmental Hygiene</i> , 1997, 12, 662-669.	0.5	1

#	ARTICLE	IF	CITATIONS
109	Measurement of short-term exposure to airborne soluble platinum in the platinum industry. <i>Annals of Occupational Hygiene</i> , 1997, 41, 77-94.	1.9	18
110	Sampling errors associated with sampling plate-like particles using the Higgins- and Dewell-type personal respirable cyclone. <i>Journal of Aerosol Science</i> , 1996, 27, 575-585.	1.8	4
111	The Development of a New Thermophoretic Precipitator for Scanning Transmission Electron Microscope Analysis of Ultrafine Aerosol Particles. <i>Aerosol Science and Technology</i> , 1995, 23, 521-533.	1.5	33
112	Performance assessment of three personal cyclone models, using an Aerodynamic Particle Sizer. <i>Journal of Aerosol Science</i> , 1995, 26, 671-684.	1.8	57
113	The application of electron energy-loss spectroscopy to the analysis of ultrafine aerosol particles. <i>Journal of Aerosol Science</i> , 1995, 26, 757-777.	1.8	16
114	26.P.06 The generation of micro-machined particle aerosols for characterising aerosol samplers. <i>Journal of Aerosol Science</i> , 1994, 25, 445-446.	1.8	0
115	Microscopy in solid state science. <i>Microscopy Research and Technique</i> , 1993, 24, 299-315.	1.2	3
116	36 P 06 Respirable dust sampler characterisation: Efficiency curve reproducibility. <i>Journal of Aerosol Science</i> , 1993, 24, S457-S458.	1.8	6
117	Electron energy loss spectroscopy of ultrafine aerosol particles in the scanning transmission electron microscope. <i>Journal of Aerosol Science</i> , 1992, 23, 433-436.	1.8	9
118	The collection of ultrafine aerosol particles for analysis by transmission electron microscopy, using a new thermophoretic precipitator. <i>Journal of Aerosol Science</i> , 1991, 22, S379-S382.	1.8	5
119	Chapter 7. Nanoparticle Safety – A Perspective from the United States. <i>Issues in Environmental Science and Technology</i> , 0, , 118-131.	0.4	4