

Andrew D Maynard

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.

116
papers

12,989
citations

39
h-index

113
g-index

127
ext. papers

13,854
ext. citations

10.1
avg, IF

6.32
L-index

#	Paper	IF	Citations
116	Survey of industrial perceptions for the use of nanomaterials for in-home drinking water purification devices.. <i>NanoImpact</i> , 2021 , 22, 100320	5.6	6
115	How to Succeed as an Academic on YouTube. <i>Frontiers in Communication</i> , 2021 , 5,	2.5	7
114	State of knowledge on the occupational exposure to carbon nanotubes. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 225, 113472	6.9	21
113	Public perceptions for the use of nanomaterials for in-home drinking water purification devices. <i>NanoImpact</i> , 2020 , 18, 100220	5.6	8
112	The Ethical and Responsible Development and Application of Advanced Brain Machine Interfaces. <i>Journal of Medical Internet Research</i> , 2019 , 21, e16321	7.6	4
111	Thinking Differently about Risk. <i>Astrobiology</i> , 2018 , 18, 244-245	3.7	1
110	Are assumptions of consumer views impeding nano-based water treatment technologies?. <i>Nature Nanotechnology</i> , 2018 , 13, 673-674	28.7	18
109	Nanomaterials in Cosmetics 2018 , 289-302		3
108	Exploring Boundaries Around the Safe Use of Advanced Materials 2018 , 427-452		
107	A Solution-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	4.1	16
106	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	7.1	32
105	Effects of particle size and coating on toxicologic parameters, fecal elimination kinetics and tissue distribution of acutely ingested silver nanoparticles in a mouse model. <i>Nanotoxicology</i> , 2016 , 10, 352-60	5.3	53
104	Mitigating Risks to Pregnant Teens from Zika Virus. <i>Journal of Law, Medicine and Ethics</i> , 2016 , 44, 657-659	2	
103	Are we ready for spray-on carbon nanotubes?. <i>Nature Nanotechnology</i> , 2016 , 11, 490-491	28.7	8
102	Repeated dose (28-day) administration of silver nanoparticles of varied size and coating does not significantly alter the indigenous murine gut microbiome. <i>Nanotoxicology</i> , 2016 , 10, 513-20	5.3	73
101	The Challenge of Nanomaterial Risk Assessment 2016 , 1-20		1
100	PERSONAL MEASURES OF POWER-FREQUENCY MAGNETIC FIELD EXPOSURE AMONG MEN FROM AN INFERTILITY CLINIC: DISTRIBUTION, TEMPORAL VARIABILITY AND CORRELATION WITH THEIR FEMALE PARTNERS' EXPOSURE. <i>Radiation Protection Dosimetry</i> , 2016 , 172, 401-408	0.9	2

99	'Safe handling of nanotechnology' ten years on. <i>Nature Nanotechnology</i> , 2016 , 11, 998-1000	28.7	50
98	Protein Corona-Induced Modification of Silver Nanoparticle Aggregation in Simulated Gastric Fluid. <i>Environmental Science: Nano</i> , 2016 , 3, 1510-1520	7.1	45
97	Navigating the risk landscape. <i>Nature Nanotechnology</i> , 2016 , 11, 211-2	28.7	5
96	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	8.6	16
95	Is nanotech failing casual learners?. <i>Nature Nanotechnology</i> , 2016 , 11, 734-5	28.7	3
94	Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science. <i>Journal of Physics: Conference Series</i> , 2015 , 617, 012026	0.3	41
93	Rapid Kinetics of Size and pH-Dependent Dissolution and Aggregation of Silver Nanoparticles in Simulated Gastric Fluid. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20632-20641	3.8	89
92	Why we need risk innovation. <i>Nature Nanotechnology</i> , 2015 , 10, 730-1	28.7	9
91	Learning from the past. <i>Nature Nanotechnology</i> , 2015 , 10, 482-3	28.7	3
90	The (nano) entrepreneur's dilemma. <i>Nature Nanotechnology</i> , 2015 , 10, 199-200	28.7	13
89	Navigating the fourth industrial revolution. <i>Nature Nanotechnology</i> , 2015 , 10, 1005-6	28.7	110
88	A decade of uncertainty. <i>Nature Nanotechnology</i> , 2014 , 9, 159-60	28.7	19
87	Old materials, new challenges?. <i>Nature Nanotechnology</i> , 2014 , 9, 658-9	28.7	21
86	Is novelty overrated?. <i>Nature Nanotechnology</i> , 2014 , 9, 409-10	28.7	8
85	The psychology of 'regrettable substitutions': Examining consumer judgements of Bisphenol A and its alternatives. <i>Health, Risk and Society</i> , 2014 , 16, 649-666	2	15
84	Could we 3D print an artificial mind?. <i>Nature Nanotechnology</i> , 2014 , 9, 955-6	28.7	8
83	Nanotechnology: Rhetoric, risk and regulation. <i>Science and Public Policy</i> , 2014 , 41, 1-14	1.8	26
82	What Are the Warning Signs That We Should Be Looking For? 2014 , 9-24		

81	Exploring Boundaries Around the Safe Use of Advanced Materials 2014 , 339-363		
80	Recommendations for nanomedicine human subjects research oversight: an evolutionary approach for an emerging field. <i>Journal of Law, Medicine and Ethics</i> , 2012 , 40, 716-50	1.2	20
79	Handling worker and third-party exposures to nanotherapeutics during clinical trials. <i>Journal of Law, Medicine and Ethics</i> , 2012 , 40, 856-64	1.2	7
78	Don't define nanomaterials. <i>Nature</i> , 2011 , 475, 31	50.4	126
77	Challenges in Nanoparticle Risk Assessment 2011 , 1-19		2
76	Workplace Aerosol Measurement 2011 , 571-590		6
75	Challenges of Trainees in a Multidisciplinary Research Program: Nano-Biotechnology. <i>Journal of Chemical Education</i> , 2011 , 88, 53-55	2.4	3
74	A strategy for assessing workplace exposures to nanomaterials. <i>Journal of Occupational and Environmental Hygiene</i> , 2011 , 8, 673-85	2.9	76
73	The problem of regulating sophisticated materials. <i>Nature Materials</i> , 2011 , 10, 554-7	27	27
72	The new toxicology of sophisticated materials: nanotoxicology and beyond. <i>Toxicological Sciences</i> , 2011 , 120 Suppl 1, S109-29	4.4	256
71	Exposure assessment approaches for engineered nanomaterials. <i>Risk Analysis</i> , 2010 , 30, 1634-44	3.9	95
70	Nano risk analysis: advancing the science for nanomaterials risk management. <i>Risk Analysis</i> , 2010 , 30, 1680-7	3.9	17
69	International Handbook on Regulating Nanotechnologies 2010 ,		26
68	Comparison of two estimation methods for surface area concentration using number concentration and mass concentration of combustion-related ultrafine particles. <i>Atmospheric Environment</i> , 2009 , 43, 502-509	5.3	18
67	Too small to overlook. <i>Nature</i> , 2009 , 460, 174	50.4	29
66	Commentary: Oversight of engineered nanomaterials in the workplace. <i>Journal of Law, Medicine and Ethics</i> , 2009 , 37, 651-8	1.2	4
65	Relationships among particle number, surface area, and respirable mass concentrations in automotive engine manufacturing. <i>Journal of Occupational and Environmental Hygiene</i> , 2009 , 6, 19-31	2.9	66
64	Carbon nanotubes introduced into the abdominal cavity of mice show asbestos-like pathogenicity in a pilot study. <i>Nature Nanotechnology</i> , 2008 , 3, 423-8	28.7	2057

63	Late lessons from early warnings for nanotechnology. <i>Nature Nanotechnology</i> , 2008 , 3, 444-7	28.7	113
62	Inhalation vs. aspiration of single-walled carbon nanotubes in C57BL/6 mice: inflammation, fibrosis, oxidative stress, and mutagenesis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 295, L552-65	5.8	494
61	Recirculating air filtration significantly reduces exposure to airborne nanoparticles. <i>Environmental Health Perspectives</i> , 2008 , 116, 863-6	8.4	57
60	Living with nanoparticles. <i>Nano Today</i> , 2008 , 3, 64	17.9	1
59	Assessing exposure to airborne nanomaterials: Current abilities and future requirements. <i>Nanotoxicology</i> , 2007 , 1, 26-41	5.3	206
58	Observation and measurement of anomalous responses in a differential mobility analyzer caused by ultrafine fibrous carbon aerosols. <i>Journal of Electrostatics</i> , 2007 , 65, 542-548	1.7	21
57	Nanotechnology: the next big thing, or much ado about nothing?. <i>Annals of Occupational Hygiene</i> , 2007 , 51, 1-12		185
56	Nanotoxicology 2007 , 1-6		2
55	Nanotechnologies: Overview and Issues 2007 , 1-14		4
54	Phospholipid lung surfactant and nanoparticle surface toxicity: Lessons from diesel soots and silicate dusts 2006 , 23-38		1
53	In situ structure characterization of airborne carbon nanofibres by a tandem mobility-mass analysis. <i>Nanotechnology</i> , 2006 , 17, 3613-21	3.4	57
52	Research strategies for safety evaluation of nanomaterials, part IV: risk assessment of nanoparticles. <i>Toxicological Sciences</i> , 2006 , 89, 42-50	4.4	37 ¹
51	Translocation of inhaled ultrafine manganese oxide particles to the central nervous system. <i>Environmental Health Perspectives</i> , 2006 , 114, 1172-8	8.4	789
50	Generation and investigation of airborne silver nanoparticles with specific size and morphology by homogeneous nucleation, coagulation and sintering. <i>Journal of Aerosol Science</i> , 2006 , 37, 452-470	4.3	52
49	Nanotechnology: assessing the risks. <i>Nano Today</i> , 2006 , 1, 22-33	17.9	167
48	Safe handling of nanotechnology. <i>Nature</i> , 2006 , 444, 267-9	50.4	1202
47	Health risk assessment for nanoparticles: A case for using expert judgment. <i>Journal of Nanoparticle Research</i> , 2006 , 9, 137-156	2.3	72
46	Phospholipid lung surfactant and nanoparticle surface toxicity: Lessons from diesel soots and silicate dusts. <i>Journal of Nanoparticle Research</i> , 2006 , 9, 23-38	2.3	66

45	Measuring particle size-dependent physicochemical structure in airborne single walled carbon nanotube agglomerates. <i>Journal of Nanoparticle Research</i> , 2006 , 9, 85-92	2.3	33
44	The mapping of fine and ultrafine particle concentrations in an engine machining and assembly facility. <i>Annals of Occupational Hygiene</i> , 2006 , 50, 249-57		74
43	Measuring particle size-dependent physicochemical structure in airborne single walled carbon nanotube agglomerates 2006 , 85-92		
42	Nanotechnology and occupational health: New technologies ¶ new challenges 2006 , 1-3		1
41	Health risk assessment for nanoparticles: A case for using expert judgment 2006 , 137-156		13
40	Unusual inflammatory and fibrogenic pulmonary responses to single-walled carbon nanotubes in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L698-708	5.8	984
39	Comparing aerosol surface-area measurements of monodisperse ultrafine silver agglomerates by mobility analysis, transmission electron microscopy and diffusion charging. <i>Journal of Aerosol Science</i> , 2005 , 36, 1108-1124	4.3	92
38	Women's personal and indoor exposures to PM2.5 in Mysore, India: Impact of domestic fuel usage. <i>Atmospheric Environment</i> , 2005 , 39, 5500-5508	5.3	35
37	Fine particle number and mass concentration measurements in urban Indian households. <i>Science of the Total Environment</i> , 2005 , 347, 131-47	10.2	25
36	Airborne Nanostructured Particles and Occupational Health. <i>Journal of Nanoparticle Research</i> , 2005 , 7, 587-614	2.3	391
35	Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy. <i>Particle and Fibre Toxicology</i> , 2005 , 2, 8	8.4	1418
34	Thoracic size-selective sampling of fibres: performance of four types of thoracic sampler in laboratory tests. <i>Annals of Occupational Hygiene</i> , 2005 , 49, 481-92		9
33	Laboratory and field evaluation of a new personal sampling system for assessing the protection provided by the N95 filtering facepiece respirators against particles. <i>Annals of Occupational Hygiene</i> , 2005 , 49, 245-57		37
32	Evaluation of misting controls to reduce respirable silica exposure for brick cutting. <i>Annals of Occupational Hygiene</i> , 2005 , 49, 503-10		8
31	Exposure to carbon nanotube material: aerosol release during the handling of unrefined single-walled carbon nanotube material. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004 , 67, 87-107	3.2	584
30	Development of a Personal Sampler for Collecting Fungal Spores. <i>Aerosol Science and Technology</i> , 2004 , 38, 926-937	3.4	33
29	Examining Elemental Surface Enrichment in Ultrafine Aerosol Particles Using Analytical Scanning Transmission Electron Microscopy. <i>Aerosol Science and Technology</i> , 2004 , 38, 365-381	3.4	20
28	Aerosols in the industrial environment 2004 , 220-259		

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26	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, 1909-26		95 ¹
25	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	3-4	10
24	Estimating aerosol surface area from number and mass concentration measurements. <i>Annals of Occupational Hygiene</i> , 2003 , 47, 123-44		36
23	A derived association between ambient aerosol surface area and excess mortality using historic time series data. <i>Atmospheric Environment</i> , 2002 , 36, 5561-5567	5-3	59
22	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		37
21	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		9
20	Overview of methods for analysing single ultrafine particles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 2593-2610	3	27
19	A SIMPLE MODEL OF AXIAL FLOW CYCLONE PERFORMANCE UNDER LAMINAR FLOW CONDITIONS. <i>Journal of Aerosol Science</i> , 2000 , 31, 151-167	4-3	19
18	THE SAMPLING EFFICIENCY OF PERSONAL INHALABLE AEROSOL SAMPLERS IN LOW AIR MOVEMENT ENVIRONMENTS. <i>Journal of Aerosol Science</i> , 1999 , 30, 627-638	4-3	76
17	AEROSOL INHALABILITY IN LOW AIR MOVEMENT ENVIRONMENTS. <i>Journal of Aerosol Science</i> , 1999 , 30, 613-626	4-3	75
16	Development of a system to rapidly measure sampler penetration up to 20 μ m aerodynamic diameter in calm air, using the aerodynamic particle sizer. <i>Journal of Aerosol Science</i> , 1999 , 30, 1215-1226	4-3	11
15	Measurement of aerosol penetration through six personal thoracic samplers under calm air conditions. <i>Journal of Aerosol Science</i> , 1999 , 30, 1227-1242	4-3	24
14	A survey of wind speeds in indoor workplaces. <i>Annals of Occupational Hygiene</i> , 1998 , 42, 303-13		104
13	An Investigation of Short-Term Gravimetric Sampling in Pig Farms and Bakeries. <i>Journal of Occupational and Environmental Hygiene</i> , 1997 , 12, 662-669		1
12	Measurement of short-term exposure to airborne soluble platinum in the platinum industry. <i>Annals of Occupational Hygiene</i> , 1997 , 41, 77-94		13
11	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	4-3	2
10	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	3-4	30

9	Performance assessment of three personal cyclone models, using an Aerodynamic Particle Sizer. <i>Journal of Aerosol Science</i> , 1995 , 26, 671-684	4.3	53
8	The application of electron energy-loss spectroscopy to the analysis of ultrafine aerosol particles. <i>Journal of Aerosol Science</i> , 1995 , 26, 757-777	4.3	16
7	26.P.06 The generation of micro-machined particle aerosols for characterising aerosol samplers. <i>Journal of Aerosol Science</i> , 1994 , 25, 445-446	4.3	
6	Microscopy in solid state science. <i>Microscopy Research and Technique</i> , 1993 , 24, 299-315	2.8	3
5	36 P 06 Respirable dust sampler characterisation: Efficiency curve reproducibility. <i>Journal of Aerosol Science</i> , 1993 , 24, S457-S458	4.3	6
4	Electron energy loss spectroscopy of ultrafine aerosol particles in the scanning transmission electron microscope. <i>Journal of Aerosol Science</i> , 1992 , 23, 433-436	4.3	6
3	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	4.3	4
2	Introduction: The Regulatory Challenges for Nanotechnologies		1
1	Chapter 7: Nanoparticle Safety A Perspective from the United States. <i>Issues in Environmental Science and Technology</i> , 118-131	0.7	3