

# Wolfgang Kreyling

## 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.

194  
papers

20,357  
citations

69  
h-index

142  
g-index

208  
ext. papers

22,077  
ext. citations

5.9  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
194	Quantitative biokinetics over a 28 day period of freshly generated, pristine, 20 nm silver nanoparticle aerosols in healthy adult rats after a single 10 -hour inhalation exposure. <i>Particle and Fibre Toxicology</i> , <b>2020</b> , 17, 21	8.4	10
193	Particle toxicology and health - where are we?. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 19	8.4	83
192	Quantitative biokinetics over a 28 day period of freshly generated, pristine, 20 nm titanium dioxide nanoparticle aerosols in healthy adult rats after a single two-hour inhalation exposure. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 29	8.4	11
191	Unpredictable Nanoparticle Retention in Commonly Used Plastic Syringes Introduces Dosage Uncertainties That May Compromise the Accuracy of Nanomedicine and Nanotoxicology Studies. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1293	5.6	5
190	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. <i>NanoImpact</i> , <b>2018</b> , 10, 97-107	5.6	41
189	Age-Dependent Rat Lung Deposition Patterns of Inhaled 20 Nanometer Gold Nanoparticles and their Quantitative Biokinetics in Adult Rats. <i>ACS Nano</i> , <b>2018</b> , 12, 7771-7790	16.7	34
188	Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. <i>Nanotoxicology</i> , <b>2017</b> , 11, 687-698	5.3	70
187	Quantitative biokinetics of titanium dioxide nanoparticles after intratracheal instillation in rats: Part 3. <i>Nanotoxicology</i> , <b>2017</b> , 11, 454-464	5.3	52
186	Quantitative biokinetics of titanium dioxide nanoparticles after intravenous injection in rats: Part 1. <i>Nanotoxicology</i> , <b>2017</b> , 11, 434-442	5.3	57
185	Quantitative biokinetics of titanium dioxide nanoparticles after oral application in rats: Part 2. <i>Nanotoxicology</i> , <b>2017</b> , 11, 443-453	5.3	81
184	Colloidal Stability and Surface Chemistry Are Key Factors for the Composition of the Protein Corona of Inorganic Gold Nanoparticles. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701956	15.6	53
183	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 106002	8.4	210
182	Toxic effects and biodistribution of ultrasmall gold nanoparticles. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3011-3037	5.8	58
181	Early pulmonary response is critical for extra-pulmonary carbon nanoparticle mediated effects: comparison of inhalation versus intra-arterial infusion exposures in mice. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 19	8.4	28
180	Protein corona: implications for nanoparticle interactions with pulmonary cells. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 42	8.4	75
179	Biokinetic studies of non-complexed siRNA versus nano-sized PEI F25-LMW/siRNA polyplexes following intratracheal instillation into mice. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 500, 227-35	6.5	18
178	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2016</b> , 19, 1-28	8.6	96

177	Discovery of unique and ENM- specific pathophysiologic pathways: Comparison of the translocation of inhaled iridium nanoparticles from nasal epithelium versus alveolar epithelium towards the brain of rats. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 299, 41-6	4.6	29
176	Biokinetic datasets of PEI F25-LMW complexed and non-complexed P-siRNA within different lung compartments. <i>Data in Brief</i> , <b>2016</b> , 7, 1175-1178	1.2	
175	In vivo integrity of polymer-coated gold nanoparticles. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 619-23	28.7	269
174	Application of an informatics-based decision-making framework and process to the assessment of radiation safety in nanotechnology. <i>Health Physics</i> , <b>2015</b> , 108, 179-94	2.3	11
173	Dosimetry and Toxicology of Nanosized Particles and Fibres. <i>Handbook of Environmental Chemistry</i> , <b>2015</b> , 1-18	0.8	2
172	Air-blood barrier translocation of tracheally instilled gold nanoparticles inversely depends on particle size. <i>ACS Nano</i> , <b>2014</b> , 8, 222-33	16.7	167
171	Measurement techniques for respiratory tract deposition of airborne nanoparticles: a critical review. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2014</b> , 27, 229-54	3.8	78
170	Biokinetics of nanoparticles and susceptibility to particulate exposure in a murine model of cystic fibrosis. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 19	8.4	26
169	PVP-coated, negatively charged silver nanoparticles: A multi-center study of their physicochemical characteristics, cell culture and in vivo experiments. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 1944-63	3	102
168	Metrics, dose, and dose concept: the need for a proper dose concept in the risk assessment of nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 4026-48	4.6	41
167	In vitro and in vivo interactions of selected nanoparticles with rodent serum proteins and their consequences in biokinetics. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 1699-711	3	46
166	Proinflammatory and cytotoxic response to nanoparticles in precision-cut lung slices. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 2440-9	3	15
165	Size dependent translocation and fetal accumulation of gold nanoparticles from maternal blood in the rat. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 33	8.4	84
164	Blood protein coating of gold nanoparticles as potential tool for organ targeting. <i>Biomaterials</i> , <b>2014</b> , 35, 3455-66	15.6	90
163	Cellular uptake and localization of inhaled gold nanoparticles in lungs of mice with chronic obstructive pulmonary disease. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 19	8.4	52
162	Pulmonary DWCNT exposure causes sustained local and low-level systemic inflammatory changes in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 84, 412-20	5.7	12
161	Gold nanoparticle aerosols for rodent inhalation and translocation studies. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	10
160	Serum protein identification and quantification of the corona of 5, 15 and 80 nm gold nanoparticles. <i>Nanotechnology</i> , <b>2013</b> , 24, 265103	3.4	85

159	Numerical and experimental study on the deposition of nanoparticles in an extrathoracic oral airway model. <i>Journal of Aerosol Science</i> , <b>2013</b> , 57, 131-143	4.3	17
158	Effects of silver nanoparticles on the liver and hepatocytes in vitro. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 537-47	4.4	120
157	Biodistribution of inhaled gold nanoparticles in mice and the influence of surfactant protein D. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2013</b> , 26, 24-30	3.8	32
156	Differences in the biokinetics of inhaled nano- versus micrometer-sized particles. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 714-22	24.3	147
155	Engineered nanomaterial risk. Lessons learnt from completed nanotoxicology studies: potential solutions to current and future challenges. <i>Critical Reviews in Toxicology</i> , <b>2013</b> , 43, 1-20	5.7	116
154	The effect of primary particle size on biodistribution of inhaled gold nano-agglomerates. <i>Biomaterials</i> , <b>2013</b> , 34, 5439-52	15.6	104
153	Pulmonary surfactant is indispensable in order to simulate the in vivo situation. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 6	8.4	34
152	Cytotoxic and proinflammatory effects of PVP-coated silver nanoparticles after intratracheal instillation in rats. <i>Beilstein Journal of Nanotechnology</i> , <b>2013</b> , 4, 933-40	3	45
151	Topical drug delivery in chronic rhinosinusitis patients before and after sinus surgery using pulsating aerosols. <i>PLoS ONE</i> , <b>2013</b> , 8, e74991	3.7	39
150	Size and surface charge of gold nanoparticles determine absorption across intestinal barriers and accumulation in secondary target organs after oral administration. <i>Nanotoxicology</i> , <b>2012</b> , 6, 36-46	5.3	270
149	Efficient internalization and intracellular translocation of inhaled gold nanoparticles in rat alveolar macrophages. <i>Nanomedicine</i> , <b>2012</b> , 7, 855-65	5.6	27
148	Nanoparticle delivery in infant lungs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5092-7	11.5	51
147	Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. <i>Nanotoxicology</i> , <b>2011</b> , 5, 1-11	5.3	126
146	Polyethylenimines for RNAi-mediated gene targeting in vivo and siRNA delivery to the lung. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 77, 438-49	5.7	146
145	The influence of pulmonary surfactant on nanoparticulate drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 77, 350-2	5.7	45
144	Particle size-dependent and surface charge-dependent biodistribution of gold nanoparticles after intravenous administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 77, 407-16	5.7	424
143	High-Resolution Phase-Contrast Imaging of Submicron Particles in Unstained Lung Tissue <b>2011</b> ,		2
142	In-vitro cell exposure studies for the assessment of nanoparticle toxicity in the lung: a dialog between aerosol science and biology. <i>Journal of Aerosol Science</i> , <b>2011</b> , 42, 668-692	4.3	215

141	Generation and characterization of stable, highly concentrated titanium dioxide nanoparticle aerosols for rodent inhalation studies. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 511-524	2.3	23
140	Interlaboratory comparison of size and surface charge measurements on nanoparticles prior to biological impact assessment. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 2675-2687	2.3	74
139	Radiolabelling of engineered nanoparticles for in vitro and in vivo tracing applications using cyclotron accelerators. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 751-73	5.8	60
138	The procoagulant effects of fine particulate matter in vivo. <i>Particle and Fibre Toxicology</i> , <b>2011</b> , 8, 12; author reply 12	8.4	12
137	Translocation of Inhaled Nanoparticles <b>2011</b> , 125-143		1
136	Multifunctional nanoparticles for dual imaging. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2877-82	7.8	99
135	Binding of polystyrene and carbon black nanoparticles to blood serum proteins. <i>Inhalation Toxicology</i> , <b>2011</b> , 23, 468-75	2.7	32
134	The allergen Bet v 1 in fractions of ambient air deviates from birch pollen counts. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 65, 850-8	9.3	96
133	To the editors: express concern about the recent paper by Song et al. <i>European Respiratory Journal</i> , <b>2010</b> , 35, 226-7	13.6	13
132	Concentration response functions for ultrafine particles and all-cause mortality and hospital admissions: results of a European expert panel elicitation. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 476-82	10.3	112
131	Dosimetry of Inhaled Nanoparticles <b>2010</b> , 145-171		2
130	Biodistribution of PEG-modified gold nanoparticles following intratracheal instillation and intravenous injection. <i>Biomaterials</i> , <b>2010</b> , 31, 6574-81	15.6	411
129	A complementary definition of nanomaterial. <i>Nano Today</i> , <b>2010</b> , 5, 165-168	17.9	197
128	Occupational and consumer risk estimates for nanoparticles emitted by laser printers. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 91-99	2.3	27
127	Radiolabelling of TiO <sub>2</sub> nanoparticles for radiotracer studies. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2435-2443	2.3	34
126	Evaluating the uptake and intracellular fate of polystyrene nanoparticles by primary and hepatocyte cell lines in vitro. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 242, 66-78	4.6	142
125	Deposition and biokinetics of inhaled nanoparticles. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 2	8.4	448
124	Cardiovascular and inflammatory effects of intratracheally instilled ambient dust from Augsburg, Germany, in spontaneously hypertensive rats (SHRs). <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 27	8.4	29

123	Multifunctional Nanocarriers for diagnostics, drug delivery and targeted treatment across blood-brain barrier: perspectives on tracking and neuroimaging. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 3	8.4	310
122	Short-term mortality rates during a decade of improved air quality in Erfurt, Germany. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 448-54	8.4	59
121	Long-term responses of canine lungs to acidic particles. <i>Inhalation Toxicology</i> , <b>2009</b> , 21, 920-32	2.7	4
120	Left-to-right asymmetry of aerosol deposition after shallow bolus inhalation depends on lung ventilation. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2009</b> , 22, 333-9	3.8	25
119	Corrections in dose assessment of 99mTc radiolabeled aerosol particles targeted to central human airways using planar gamma camera imaging. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2009</b> , 22, 45-54	3.8	17
118	Expert elicitation on ultrafine particles: likelihood of health effects and causal pathways. <i>Particle and Fibre Toxicology</i> , <b>2009</b> , 6, 19	8.4	130
117	Soluble iron modulates iron oxide particle-induced inflammatory responses via prostaglandin E(2) synthesis: In vitro and in vivo studies. <i>Particle and Fibre Toxicology</i> , <b>2009</b> , 6, 34	8.4	23
116	Biodistribution of gold nanoparticles in mouse lung following intratracheal instillation. <i>Chemistry Central Journal</i> , <b>2009</b> , 3, 16		111
115	Size dependence of the translocation of inhaled iridium and carbon nanoparticle aggregates from the lung of rats to the blood and secondary target organs. <i>Inhalation Toxicology</i> , <b>2009</b> , 21 Suppl 1, 55-60	2.7	295
114	Dosimetry and toxicology of inhaled ultrafine particles. <i>Biomarkers</i> , <b>2009</b> , 14 Suppl 1, 67-73	2.6	118
113	Surface modification and size dependence in particle translocation during early embryonic development. <i>Inhalation Toxicology</i> , <b>2009</b> , 21 Suppl 1, 92-6	2.7	29
112	Estimation of health risks and safety margins due to inhalation of ultrafine particles and nanoparticles in selected occupational, consumer and environmental settings. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 170, 012031	0.3	1
111	Cell shape imaging analysis: A fast and reliable technique for the investigation of internalised carbon nanotubes in flat macrophages. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 151, 012033	0.3	1
110	Multimodal imaging for the detection of sub-micron particles in the gas-exchange region of the mammalian lung. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 186, 012040	0.3	4
109	Deep pulmonary lymphatics in immature lungs. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 859-63	3.7	4
108	Macrophage Cellular Adaptation, Localization and Imaging of Different Size Polystyrene Particles. <i>Nano Biomedicine and Engineering</i> , <b>2009</b> , 1,	2.9	8
107	The influence of improved air quality on mortality risks in Erfurt, Germany. <i>Research Report (health Effects Institute)</i> , <b>2009</b> , 5-77; discussion 79-90	0.9	11
106	Source apportionment of ambient fine particle size distribution using positive matrix factorization in Erfurt, Germany. <i>Science of the Total Environment</i> , <b>2008</b> , 398, 133-44	10.2	64

105	Advances in lung imaging techniques for the treatment of respiratory disease. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2008</b> , 5, 87-92		6
104	Deposition, retention, and translocation of ultrafine particles from the central airways and lung periphery. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 177, 426-32	10.2	258
103	The role of macrophages in the clearance of inhaled ultrafine titanium dioxide particles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2008</b> , 38, 371-6	5.7	177
102	A novel assay for the quantification of internalized nanoparticles in macrophages. <i>Nanotoxicology</i> , <b>2008</b> , 2, 232-242	5.3	16
101	Total and regional deposition of ultrafine particles in a mouse model of allergic inflammation of the lung. <i>Inhalation Toxicology</i> , <b>2008</b> , 20, 585-93	2.7	29
100	Postnatal lung function in the developing rat. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 1167-76	3.7	29
99	Biodistribution of 1.4- and 18-nm gold particles in rats. <i>Small</i> , <b>2008</b> , 4, 2108-11	11	408
98	Efficient elimination of inhaled nanoparticles from the alveolar region: evidence for interstitial uptake and subsequent reentrainment onto airways epithelium. <i>Environmental Health Perspectives</i> , <b>2007</b> , 115, 728-33	8.4	212
97	Motion and twisting of magnetic particles ingested by alveolar macrophages in non-smokers and smokers: Implementation of viscoelasticity. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 311, 269-274	2.8	1
96	Daily mortality and particulate matter in different size classes in Erfurt, Germany. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2007</b> , 17, 458-67	6.7	170
95	Motion and twisting of magnetic particles ingested by alveolar macrophages in the human lung: effect of smoking and disease. <i>Biomagnetic Research and Technology</i> , <b>2006</b> , 4, 4		4
94	No significant translocation of inhaled 35-nm carbon particles to the circulation in humans. <i>Inhalation Toxicology</i> , <b>2006</b> , 18, 741-7	2.7	99
93	Negligible clearance of ultrafine particles retained in healthy and affected human lungs. <i>European Respiratory Journal</i> , <b>2006</b> , 28, 286-90	13.6	107
92	Distribution pattern of inhaled ultrafine gold particles in the rat lung. <i>Inhalation Toxicology</i> , <b>2006</b> , 18, 733-40	2.7	149
91	Translocation and accumulation of nanoparticles in secondary target organs after uptake by various routes of intake. <i>Toxicology Letters</i> , <b>2006</b> , 164, S34	4.4	2
90	Dose-controlled exposure of A549 epithelial cells at the air-liquid interface to airborne ultrafine carbonaceous particles. <i>Chemosphere</i> , <b>2006</b> , 65, 1784-90	8.4	107
89	A generator for the production of radiolabelled ultrafine carbonaceous particles for deposition and clearance studies in the respiratory tract. <i>Journal of Aerosol Science</i> , <b>2006</b> , 37, 631-644	4.3	22
88	Ultrafine particle-lung interactions: does size matter?. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2006</b> , 19, 74-83		253

87	The potential risks of nanomaterials: a review carried out for ECETOC. <i>Particle and Fibre Toxicology</i> , <b>2006</b> , 3, 11	8.4	870
86	Effects of ultrafine and fine particulate and gaseous air pollution on cardiac autonomic control in subjects with coronary artery disease: the ULTRA study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2006</b> , 16, 332-41	6.7	157
85	TOF-SIMS characterisation of spark-generated nanoparticles made from pairs of Ir <sup>+</sup> and Ir <sup>0</sup> electrodes. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 254, 70-84	1.9	22
84	Health implications of nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2006</b> , 8, 543-562	2.3	222
83	Ultrafine Particles: Geiser et al. Respond. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, A212-A213	8.4	3
82	Particle Dosimetry <b>2006</b> , 47-74		
81	Relationship between different size classes of particulate matter and meteorology in three European cities. <i>Journal of Environmental Monitoring</i> , <b>2005</b> , 7, 302-10		44
80	Sources and elemental composition of ambient PM(2.5) in three European cities. <i>Science of the Total Environment</i> , <b>2005</b> , 337, 147-62	10.2	124
79	The influence of hydrogen peroxide and histamine on lung permeability and translocation of iridium nanoparticles in the isolated perfused rat lung. <i>Particle and Fibre Toxicology</i> , <b>2005</b> , 2, 3	8.4	47
78	Ultrafine particles cause cytoskeletal dysfunctions in macrophages: role of intracellular calcium. <i>Particle and Fibre Toxicology</i> , <b>2005</b> , 2, 7	8.4	50
77	Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy. <i>Particle and Fibre Toxicology</i> , <b>2005</b> , 2, 8	8.4	1418
76	Ultrafine particles cross cellular membranes by nonphagocytic mechanisms in lungs and in cultured cells. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, 1555-60	8.4	994
75	Improved ventricular function during inhalation of PGI(2) aerosol partly relies on enhanced myocardial contractility. <i>European Surgical Research</i> , <b>2005</b> , 37, 9-17	1.1	6
74	Effects of particulate air pollution on blood pressure and heart rate in subjects with cardiovascular disease: a multicenter approach. <i>Environmental Health Perspectives</i> , <b>2004</b> , 112, 369-77	8.4	138
73	Toxicological hazards of inhaled nanoparticles--potential implications for drug delivery. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2004</b> , 4, 521-31	1.3	272
72	Radionuclide biokinetics database (RBDATA-EULEP): an update. <i>Radiation Protection Dosimetry</i> , <b>2004</b> , 112, 535-6	0.9	1
71	Ultrafine particles exert prothrombotic but not inflammatory effects on the hepatic microcirculation in healthy mice in vivo. <i>Circulation</i> , <b>2004</b> , 109, 1320-5	16.7	105
70	Aerosol delivery during mechanical ventilation to the rat. <i>Experimental Lung Research</i> , <b>2004</b> , 30, 635-51	2.3	13

69	Health effects of particles in ambient air. <i>International Journal of Hygiene and Environmental Health</i> , <b>2004</b> , 207, 399-407	6.9	313
68	Electron energy loss spectroscopy for analysis of inhaled ultrafine particles in rat lungs. <i>Microscopy Research and Technique</i> , <b>2004</b> , 63, 298-305	2.8	60
67	Long-term clearance kinetics of inhaled ultrafine insoluble iridium particles from the rat lung, including transient translocation into secondary organs. <i>Inhalation Toxicology</i> , <b>2004</b> , 16, 453-9	2.7	314
66	Daily variation in fine and ultrafine particulate air pollution and urinary concentrations of lung Clara cell protein CC16. <i>Occupational and Environmental Medicine</i> , <b>2004</b> , 61, 908-14	2.1	41
65	Dosimetry and toxicology of ultrafine particles. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2004</b> , 17, 140-52		147
64	Fate and toxic effects of inhaled ultrafine cadmium oxide particles in the rat lung. <i>Inhalation Toxicology</i> , <b>2004</b> , 16 Suppl 1, 83-92	2.7	48
63	Translocation of inhaled ultrafine particles to the brain. <i>Inhalation Toxicology</i> , <b>2004</b> , 16, 437-45	2.7	1744
62	PARTICULATE MATTER IN SEVERAL SIZE CLASSES AND DAILY MORTALITY IN ERFURT, GERMANY. <i>Epidemiology</i> , <b>2004</b> , 15, S59	3.1	2
61	Diverging long-term trends in ambient urban particle mass and number concentrations associated with emission changes caused by the German unification. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 3841-3848	5.3	59
60	Long-term measurements of size-segregated ambient aerosol in two German cities located 100 km apart. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 4687-4700	5.3	42
59	Elemental composition and sources of fine and ultrafine ambient particles in Erfurt, Germany. <i>Science of the Total Environment</i> , <b>2003</b> , 305, 143-56	10.2	115
58	Effects of fine and ultrafine particles on cardiorespiratory symptoms in elderly subjects with coronary heart disease: the ULTRA study. <i>American Journal of Epidemiology</i> , <b>2003</b> , 157, 613-23	3.8	93
57	Increased asthma medication use in association with ambient fine and ultrafine particles. <i>European Respiratory Journal</i> , <b>2002</b> , 20, 691-702	13.6	210
56	Particulate air pollution and risk of ST-segment depression during repeated submaximal exercise tests among subjects with coronary heart disease: the Exposure and Risk Assessment for Fine and Ultrafine Particles in Ambient Air (ULTRA) study. <i>Circulation</i> , <b>2002</b> , 106, 933-8	16.7	321
55	Translocation of ultrafine insoluble iridium particles from lung epithelium to extrapulmonary organs is size dependent but very low. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2002</b> , 65, 1513-30	3.2	693
54	Epidemiological evidence on health effects of ultrafine particles. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2002</b> , 15, 189-201		249
53	Intercomparison of Aerosol Spectrometers for Ambient Air Monitoring. <i>Aerosol Science and Technology</i> , <b>2002</b> , 36, 866-876	3.4	11
52	Extrapulmonary translocation of ultrafine carbon particles following whole-body inhalation exposure of rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2002</b> , 65, 1531-43	3.2	741

51	Concentrations of ultrafine, fine and PM2.5 particles in three European cities. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 3729-3738	5.3	160
50	Comparability of three spectrometers for monitoring urban aerosol. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 2045-2051	5.3	27
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