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List of Publications by Year in descending order

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118 papers	6,413 citations	46918 47 h-index	74018 75 g-index
123 all docs	123 docs citations	123 times ranked	5892 citing authors

#	Article	IF	Citations
1	Residential bacteria and fungi identified by high-throughput sequencing and childhood respiratory health. Environmental Research, 2022, 204, 112377.	3.7	6
2	Impact of Personal, Subhourly Exposure to Ultrafine Particles on Respiratory Health in Adolescents with Asthma. Annals of the American Thoracic Society, 2022, 19, 1516-1524.	1.5	2
3	Direct-Read Fluorescence-Based Measurements of Bioaerosol Exposure in Home Healthcare. International Journal of Environmental Research and Public Health, 2022, 19, 3613.	1.2	4
4	Mental and Physical Stress Responses to Personal Ultrafine Particle Exposure in Adolescents. International Journal of Environmental Research and Public Health, 2022, 19, 7509.	1.2	3
5	Entrapment of Airborne Particles via Simulated Highway Noise-Induced Piezoelectricity in PMMA and EPDM. Energies, 2022, 15, 4935.	1.6	0
6	The mycobiomes and bacteriomes of sputum, saliva, and home dust. Indoor Air, 2021, 31, 357-368.	2.0	3
7	Associations of observed home dampness and mold with the fungal and bacterial dust microbiomes. Environmental Sciences: Processes and Impacts, 2021, 23, 491-500.	1.7	3
8	Exposure to traffic-related air pollution and bacterial diversity in the lower respiratory tract of children. PLoS ONE, 2021, 16, e0244341.	1.1	9
9	AERMOD modeling of ambient manganese for residents living near a ferromanganese refinery in Marietta, OH, USA. Environmental Monitoring and Assessment, 2021, 193, 419.	1.3	3
10	Homemade facemasks: particle filtration, breathability, fit, and other performance characteristics. Journal of Occupational and Environmental Hygiene, 2021, 18, 334-344.	0.4	10
11	Personal exposure to average weekly ultrafine particles, lung function, and respiratory symptoms in asthmatic and non-asthmatic adolescents. Environment International, 2021, 156, 106740.	4.8	10
12	Ten questions concerning the implications of carpet on indoor chemistry and microbiology. Building and Environment, 2020, 170, 106589.	3.0	40
13	HEPA filtration improves asthma control in children exposed to traffic–related airborne particles. Indoor Air, 2020, 30, 235-243.	2.0	35
14	Quantitative and semiquantitative estimates of mold exposure in infancy and childhood respiratory health. Environmental Epidemiology, 2020, 4, e101.	1.4	8
15	Birth outcomes associated with maternal exposure to metals from informal electronic waste recycling in Guiyu, China. Environment International, 2020, 137, 105580.	4.8	42
16	Metal concentrations in pregnant women and neonates from informal electronic waste recycling. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 406-415.	1.8	30
17	Predicting indoor concentrations of black carbon in residential environments. Atmospheric Environment, 2019, 201, 223-230.	1.9	14
18	Pilot study on the efficiency of water-only decontamination for firefightersâ€™ turnout gear. Journal of Occupational and Environmental Hygiene, 2019, 16, 199-205.	0.4	15

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19	Indoor particulate matter and lung function in children. Science of the Total Environment, 2019, 663, 408-417.	3.9	32
20	Combining sensor-based measurement and modeling of PM_{2.5} and black carbon in assessing exposure to indoor aerosols. Aerosol Science and Technology, 2019, 53, 817-829.	1.5	3
21	Inactivation of bacterial and fungal spores by UV irradiation and gaseous iodine treatment applied to air handling filters. Science of the Total Environment, 2019, 671, 59-65.	3.9	24
22	Inactivation of aerosolized surrogates of Bacillus anthracis spores by combustion products of aluminum- and magnesium-based reactive materials: Effect of exposure time. Aerosol Science and Technology, 2018, 52, 579-587.	1.5	8
23	Variability of indoor fungal microbiome of green and non-green low-income homes in Cincinnati, Ohio. Science of the Total Environment, 2018, 610-611, 212-218.	3.9	21
24	Maternal urinary cadmium levels during pregnancy associated with risk of sex-dependent birth outcomes from an e-waste pollution site in China. Reproductive Toxicology, 2018, 75, 49-55.	1.3	46
25	Assessing the accuracy of commercially available gas sensors for the measurement of ambient ozone and nitrogen dioxide. Journal of Occupational and Environmental Hygiene, 2018, 15, 782-791.	0.4	8
26	Effectiveness of a portable air cleaner in removing aerosol particles in homes close to highways. Indoor Air, 2018, 28, 818-827.	2.0	55
27	Î²-Glucan exacerbates allergic asthma independent of fungal sensitization and promotes steroid-resistant T H 2/T H 17 responses. Journal of Allergy and Clinical Immunology, 2017, 139, 54-65.e8.	1.5	78
28	Evaluation of personal inhalable aerosol samplers with different filters for use during anthrax responses. Journal of Occupational and Environmental Hygiene, 2017, 14, 583-593.	0.4	2
29	Pathways of inhalation exposure to manganese in children living near a ferromanganese refinery: A structural equation modeling approach. Science of the Total Environment, 2017, 579, 768-775.	3.9	13
30	Comparison of indoor air sampling and dust collection methods for fungal exposure assessment using quantitative PCR. Environmental Sciences: Processes and Impacts, 2017, 19, 1312-1319.	1.7	34
31	Fungal microbiomes associated with green and non-green building materials. International Biodeterioration and Biodegradation, 2017, 125, 251-257.	1.9	16
32	Sampling for Microbial Determinations. , 2017, , 85-96.		9
33	Fungal Exposure and Asthma: IgE and Non-IgE-Mediated Mechanisms. Current Allergy and Asthma Reports, 2016, 16, 86.	2.4	53
34	Triboelectric charging of fungal spores during resuspension and rebound. Aerosol Science and Technology, 2016, 50, 187-197.	1.5	6
35	Assessment of health risk of trace metal pollution in surface soil and road dust from e-waste recycling area in China. Environmental Science and Pollution Research, 2016, 23, 17511-17524.	2.7	95
36	Indoor air quality in green-renovated vs. non-green low-income homes of children living in a temperate region of US (Ohio). Science of the Total Environment, 2016, 554-555, 178-185.	3.9	69

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37	Comparison of stationary and personal air sampling with an air dispersion model for childrenâ€™s ambient exposure to manganese. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 494-502.	1.8	13
38	Heavy metals in PM 2.5 and in blood, and children's respiratory symptoms and asthma from an e-waste recycling area. Environmental Pollution, 2016, 210, 346-353.	3.7	150
39	Release and characteristics of fungal fragments in various conditions. Science of the Total Environment, 2016, 547, 234-243.	3.9	26
40	Application of the Environmental Relative Moldiness Index in Finland. Applied and Environmental Microbiology, 2016, 82, 578-584.	1.4	24
41	Comparison of methods for assessing temporal variation of growth of fungi on building materials. Microbiology (United Kingdom), 2016, 162, 1895-1903.	0.7	13
42	Timing and Duration of Traffic-related Air Pollution Exposure and the Risk for Childhood Wheeze and Asthma. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 421-427.	2.5	90
43	Early-life mold and tree sensitivity is associated with allergic eosinophilic rhinitis at 4 years of age. Annals of Allergy, Asthma and Immunology, 2015, 114, 193-198.e4.	0.5	9
44	Key determinants of the fungal and bacterial microbiomes in homes. Environmental Research, 2015, 138, 130-135.	3.7	101
45	Traffic pollution is associated with early childhood aeroallergen sensitization. Annals of Allergy, Asthma and Immunology, 2015, 114, 126-133.e3.	0.5	49
46	Glyphosate-rich air samples induce IL-33, TSLP and generate IL-13 dependent airway inflammation. Toxicology, 2014, 325, 42-51.	2.0	49
47	Association of Streptomyces community composition determined by PCR-denaturing gradient gel electrophoresis with indoor mold status. Environmental Monitoring and Assessment, 2014, 186, 8773-8783.	1.3	3
48	Dustborne and airborne Gram-positive and Gram-negative bacteria in high versus low ERMI homes. Science of the Total Environment, 2014, 482-483, 92-99.	3.9	31
49	Exposure of Firefighters to Particulates and Polycyclic Aromatic Hydrocarbons. Journal of Occupational and Environmental Hygiene, 2014, 11, D85-D91.	0.4	101
50	Microbial content of household dust associated with exhaled NO in asthmatic children. Environment International, 2013, 59, 141-147.	4.8	12
51	Possible application of the Environmental Relative Moldiness Index in France: A pilot study in Brittany. International Journal of Hygiene and Environmental Health, 2013, 216, 333-340.	2.1	16
52	Family and home characteristics correlate with mold in homes. Environmental Research, 2013, 124, 67-70.	3.7	41
53	Manikin-Based Performance Evaluation of Elastomeric Respirators Against Combustion Particles. Journal of Occupational and Environmental Hygiene, 2013, 10, 203-212.	0.4	20
54	Dectin-1 and IL-17A Suppress Murine Asthma Induced by Aspergillus versicolor but Not Cladosporium cladosporioides Due to Differences in Î²-Glucan Surface Exposure. Journal of Immunology, 2012, 189, 3609-3617.	0.4	36

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55	Correlation between Environmental Relative Moldiness Index (ERMI) values in French dwellings and other measures of fungal contamination. Science of the Total Environment, 2012, 438, 319-324.	3.9	19
56	Infant origins of childhood asthma associated with specific molds. Journal of Allergy and Clinical Immunology, 2012, 130, 639-644.e5.	1.5	163
57	Comparison of Workplace Protection Factors for Different Biological Contaminants. Journal of Occupational and Environmental Hygiene, 2011, 8, 417-425.	0.4	14
58	Influence of home characteristics on airborne and dustborne endotoxin and Î²-d-glucan. Journal of Environmental Monitoring, 2011, 13, 3246.	2.1	25
59	High environmental relative moldiness index during infancy as a predictor of asthma at 7 years of age. Annals of Allergy, Asthma and Immunology, 2011, 107, 120-126.	0.5	132
60	Opposing Effects of Cat and Dog Ownership and Allergic Sensitization on Eczema in an Atopic Birth Cohort. Journal of Pediatrics, 2011, 158, 265-271.e5.	0.9	49
61	Effect of Fit Testing on the Protection Offered by N95 Filtering Facepiece Respirators Against Fine Particles in a Laboratory Setting. Annals of Occupational Hygiene, 2011, 55, 264-271.	1.9	43
62	Exposure matrices of endotoxin, (1â†'3)-Î²-d-glucan, fungi, and dust mite allergens in flood-affected homes of New Orleans. Science of the Total Environment, 2010, 408, 5489-5498.	3.9	34
63	Visually observed mold and moldy odor versus quantitatively measured microbial exposure in homes. Science of the Total Environment, 2010, 408, 5565-5574.	3.9	72
64	Exposure to Traffic-related Particles and Endotoxin during Infancy Is Associated with Wheezing at Age 3 Years. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1068-1075.	2.5	101
65	The Suitability of the IOM Foam Sampler for Bioaerosol Sampling in Occupational Environments. Journal of Occupational and Environmental Hygiene, 2009, 7, 1-6.	0.4	14
66	Large Particle Penetration through N95 Respirator Filters and Facepiece Leaks with Cyclic Flow. Annals of Occupational Hygiene, 2009, 54, 68-77.	1.9	35
67	Size-fractionated (1â†'3)-Î²-D-glucan concentrations aerosolized from different moldy building materials. Science of the Total Environment, 2009, 407, 806-814.	3.9	29
68	Temporal and spatial variation of indoor and outdoor airborne fungal spores, pollen, and (1â†'3)-Î²-d-glucan. Aerobiologia, 2009, 25, 147-158.	0.7	40
69	Performance of an N95 Filtering Facepiece Particulate Respirator and a Surgical Mask During Human Breathing: Two Pathways for Particle Penetration. Journal of Occupational and Environmental Hygiene, 2009, 6, 593-603.	0.4	286
70	Mold exposure during infancy as a predictor of potential asthma development. Annals of Allergy, Asthma and Immunology, 2009, 102, 131-137.	0.5	81
71	Traffic-related PM2.5 aerosol in residential houses located near major highways: Indoor versus outdoor concentrations. Atmospheric Environment, 2008, 42, 6575-6585.	1.9	71
72	A land-use regression model for estimating microenvironmental diesel exposure given multiple addresses from birth through childhood. Science of the Total Environment, 2008, 404, 139-147.	3.9	82

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73	What Does Respirator Certification Tell Us About Filtration of Ultrafine Particles?. Journal of Occupational and Environmental Hygiene, 2008, 5, 286-295.	0.4	40
74	Respiratory Performance Offered by N95 Respirators and Surgical Masks: Human Subject Evaluation with NaCl Aerosol Representing Bacterial and Viral Particle Size Range. Annals of Occupational Hygiene, 2008, 52, 177-185.	1.9	186
75	Aerosolization of Particulate (1â†'3)-Î²- <scp>d</scp> -Glucan from Moldy Materials. Applied and Environmental Microbiology, 2008, 74, 585-593.	1.4	28
76	Filter Performance of N99 and N95 Facepiece Respirators Against Viruses and Ultrafine Particles. Annals of Occupational Hygiene, 2008, 52, 385-396.	1.9	133
77	A New Field-Compatible Methodology for the Collection and Analysis of Fungal Fragments. Aerosol Science and Technology, 2007, 41, 794-803.	1.5	17
78	Relative moldiness index as predictor of childhood respiratory illness. Journal of Exposure Science and Environmental Epidemiology, 2007, 17, 88-94.	1.8	45
79	Fungal fragments in moldy houses: A field study in homes in New Orleans and Southern Ohio. Atmospheric Environment, 2007, 41, 8140-8149.	1.9	82
80	Mold damage in homes and wheezing in infants. Annals of Allergy, Asthma and Immunology, 2006, 97, 539-545.	0.5	59
81	Influence of dog ownership and high endotoxin on wheezing and atopy during infancy. Journal of Allergy and Clinical Immunology, 2006, 118, 1271-1278.	1.5	91
82	Personal Exposure to Airborne Dust and Microorganisms in Agricultural Environments. Journal of Occupational and Environmental Hygiene, 2006, 3, 118-130.	0.4	144
83	Correlation of ambient inhalable bioaerosols with particulate matter and ozone: A two-year study. Environmental Pollution, 2006, 140, 16-28.	3.7	141
84	Environmental risk factors of rhinitis in early infancy. Pediatric Allergy and Immunology, 2006, 17, 278-284.	1.1	94
85	Specific fungal exposures, allergic sensitization, and rhinitis in infants. Pediatric Allergy and Immunology, 2006, 17, 450-457.	1.1	45
86	Relationship between indoor and outdoor airborne fungal spores, pollen, and (1â†'3)-Î²-D-glucan in homes without visible mold growth. Aerobiologia, 2006, 22, 227-235.	0.7	30
87	Culturability and concentration of indoor and outdoor airborne fungi in six single-family homes. Atmospheric Environment, 2006, 40, 2902-2910.	1.9	124
88	UNMIX modeling of ambient PM2.5 near an interstate highway in Cincinnati, OH, USA. Atmospheric Environment, 2006, 40, 378-395.	1.9	51
89	Analysis of short-term influences of ambient aeroallergens on pediatric asthma hospital visits. Science of the Total Environment, 2006, 370, 330-336.	3.9	51
90	The effect of home characteristics on dust antigen concentrations and loads in homes. Science of the Total Environment, 2006, 371, 31-43.	3.9	55

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91	Mold and Endotoxin Levels in the Aftermath of Hurricane Katrina: A Pilot Project of Homes in New Orleans Undergoing Renovation. Environmental Health Perspectives, 2006, 114, 1883-1889.	2.8	100
92	Physical Collection Efficiency of Filter Materials for Bacteria and Viruses. Annals of Occupational Hygiene, 2006, 51, 143-51.	1.9	100
93	Aerodynamic characteristics and respiratory deposition of fungal fragments. Atmospheric Environment, 2005, 39, 5454-5465.	1.9	95
94	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
95	Respiratory Protection Provided by N95 Filtering Facepiece Respirators Against Airborne Dust and Microorganisms in Agricultural Farms. Journal of Occupational and Environmental Hygiene, 2005, 2, 577-585.	0.4	66
96	The effect of filter material on bioaerosol collection of Bacillus subtilis spores used as a Bacillus anthracis simulant. Journal of Environmental Monitoring, 2005, 7, 475.	2.1	59
97	Fungal spore source strength tester: laboratory evaluation of a new concept. Science of the Total Environment, 2004, 329, 75-86.	3.9	50
98	Quantitative PCR analysis of house dust can reveal abnormal mold conditionsThe US Environmental Protection Agency (EPA,) through its Office of Research and Development, partially funded and collaborated in the research described here. It has been subjected to the Agency's peer review and has been approved as an EPA publication. Mention of trade names or commercial products does not constitute endorsement or recommendation by the EPA for use.. Journal of Environmental Monitoring, 2004, 6, 615.	2.1	112
99	Effect of Fluid Type and Microbial Properties on the Aerosolization of Microorganisms from Metalworking Fluids. Aerosol Science and Technology, 2004, 38, 1139-1148.	1.5	16
100	Assessment of human exposure to airborne fungi in agricultural confinements: personal inhalable sampling versus stationary sampling. Annals of Agricultural and Environmental Medicine, 2004, 11, 269-77.	0.5	30
101	Performance of the Button Personal Inhalable Sampler for the measurement of outdoor aeroallergens. Atmospheric Environment, 2003, 37, 4723-4733.	1.9	45
102	Release of Streptomyces albus propagules from contaminated surfaces. Environmental Research, 2003, 91, 45-53.	3.7	33
103	Design and Collection Efficiency of a New Electrostatic Precipitator for Bioaerosol Collection. Aerosol Science and Technology, 2002, 36, 1073-1085.	1.5	71
104	Dynamic Monitoring of the Dust Pickup Efficiency of Vacuum Cleaners. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2002, 63, 689-697.	0.4	6
105	Personal exposures and microenvironmental concentrations of particles and bioaerosols. Journal of Environmental Monitoring, 2002, 4, 166-174.	2.1	103
106	Fungal Fragments as Indoor Air Biocontaminants. Applied and Environmental Microbiology, 2002, 68, 3522-3531.	1.4	316
107	Collection of airborne microorganisms by a new electrostatic precipitator. Journal of Aerosol Science, 2002, 33, 1417-1432.	1.8	92
108	Development and evaluation of a new personal sampler for culturable airborne microorganisms. Atmospheric Environment, 2002, 36, 889-898.	1.9	67

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109	Effect of sampling time and air humidity on the bioefficiency of filter samplers for bioaerosol collection. Journal of Aerosol Science, 2001, 32, 661-674.	1.8	175
110	Collection of Bioaerosol Particles by Impaction: Effect of Fungal Spore Agglomeration and Bounce. Aerosol Science and Technology, 2001, 35, 617-624.	1.5	22
111	Source strength of fungal spore aerosolization from moldy building material. Atmospheric Environment, 2001, 35, 4853-4862.	1.9	90
112	Test Methods for Evaluating the Filtration and Particulate Emission Characteristics of Vacuum Cleaners. AIHA Journal, 2001, 62, 313-321.	0.4	11
113	Particle Emission Characteristics of Filter-Equipped Vacuum Cleaners. AIHA Journal, 2001, 62, 482-493.	0.4	10
114	Comparison of Filter Bag, Cyclonic, and Wet Dust Collection Methods in Vacuum Cleaners. AIHA Journal, 2001, 62, 573-583.	0.4	21
115	Techniques for Dispersion of Microorganisms into Air. Aerosol Science and Technology, 1997, 27, 405-421.	1.5	63
116	Effect of relative humidity on the aerodynamic diameter and respiratory deposition of fungal spores. Atmospheric Environment, 1996, 30, 3967-3974.	1.9	143
117	Comparison of concentrations and size distributions of fungal spores in buildings with and without mould problems. Journal of Aerosol Science, 1994, 25, 1595-1603.	1.8	63
118	Everyday activities and variation of fungal spore concentrations in indoor air. International Biodeterioration and Biodegradation, 1993, 31, 25-39.	1.9	76