

Atin Adhikari

List of Publications by Year in descending order

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76
papers

3,257
citations

147801

31
h-index

149698

56
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78
all docs

78
docs citations

78
times ranked

3662
citing authors

#	ARTICLE	IF	CITATIONS
1	Do N95 respirators provide 95% protection level against airborne viruses, and how adequate are surgical masks?. American Journal of Infection Control, 2006, 34, 51-57.	2.3	317
2	Short-Term Effects of Ambient Ozone, PM2.5, and Meteorological Factors on COVID-19 Confirmed Cases and Deaths in Queens, New York. International Journal of Environmental Research and Public Health, 2020, 17, 4047.	2.6	154
3	Airborne viable, non-viable, and allergenic fungi in a rural agricultural area of India: a 2-year study at five outdoor sampling stations. Science of the Total Environment, 2004, 326, 123-141.	8.0	148
4	Personal Exposure to Airborne Dust and Microorganisms in Agricultural Environments. Journal of Occupational and Environmental Hygiene, 2006, 3, 118-130.	1.0	144
5	Correlation of ambient inhalable bioaerosols with particulate matter and ozone: A two-year study. Environmental Pollution, 2006, 140, 16-28.	7.5	141
6	Filter Performance of N99 and N95 Facepiece Respirators Against Viruses and Ultrafine Particles. Annals of Occupational Hygiene, 2008, 52, 385-396.	1.9	133
7	Control of Aerosol Contaminants in Indoor Air: Combining the Particle Concentration Reduction with Microbial Inactivation. Environmental Science & Technology, 2007, 41, 606-612.	10.0	132
8	Culturability and concentration of indoor and outdoor airborne fungi in six single-family homes. Atmospheric Environment, 2006, 40, 2902-2910.	4.1	124
9	Relationship between indoor and outdoor bioaerosols collected with a button inhalable aerosol sampler in urban homes. Indoor Air, 2006, 16, 37-47.	4.3	109
10	Evaluation of ionic air purifiers for reducing aerosol exposure in confined indoor spaces. Indoor Air, 2005, 15, 235-245.	4.3	103
11	Key determinants of the fungal and bacterial microbiomes in homes. Environmental Research, 2015, 138, 130-135.	7.5	101
12	Collection of airborne microorganisms by a new electrostatic precipitator. Journal of Aerosol Science, 2002, 33, 1417-1432.	3.8	92
13	Volumetric assessment of airborne fungi in two sections of a rural indoor dairy cattle shed. Environment International, 2004, 29, 1071-1078.	10.0	83
14	Visually observed mold and moldy odor versus quantitatively measured microbial exposure in homes. Science of the Total Environment, 2010, 408, 5565-5574.	8.0	72
15	Design and Collection Efficiency of a New Electrostatic Precipitator for Bioaerosol Collection. Aerosol Science and Technology, 2002, 36, 1073-1085.	3.1	71
16	Public health implications of social media use during natural disasters, environmental disasters, and other environmental concerns. Natural Hazards, 2016, 83, 729-760.	3.4	68
17	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.	1.0	66
18	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

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19	Aerosolization of fungi, (1 α '3)- β -d glucan, and endotoxin from flood-affected materials collected in New Orleans homes. <i>Environmental Research</i> , 2009, 109, 215-224.	7.5	56
20	Analysis of short-term influences of ambient aeroallergens on pediatric asthma hospital visits. <i>Science of the Total Environment</i> , 2006, 370, 330-336.	8.0	51
21	Glyphosate-rich air samples induce IL-33, TSLP and generate IL-13 dependent airway inflammation. <i>Toxicology</i> , 2014, 325, 42-51.	4.2	49
22	Assessment of Electrical Charge on Airborne Microorganisms by a New Bioaerosol Sampling Method. <i>Journal of Occupational and Environmental Hygiene</i> , 2004, 1, 127-138.	1.0	46
23	Performance of the Button Personal Inhalable Sampler for the measurement of outdoor aeroallergens. <i>Atmospheric Environment</i> , 2003, 37, 4723-4733.	4.1	45
24	Specific fungal exposures, allergic sensitization, and rhinitis in infants. <i>Pediatric Allergy and Immunology</i> , 2006, 17, 450-457.	2.6	45
25	Electrospray versus Nebulization for Aerosolization and Filter Testing with Bacteriophage Particles. <i>Aerosol Science and Technology</i> , 2009, 43, 298-304.	3.1	42
26	Inactivation of Aerosolized <i>Bacillus atrophaeus</i> (BG) Endospores and MS2 Viruses by Combustion of Reactive Materials. <i>Environmental Science & Technology</i> , 2012, 46, 7334-7341.	10.0	42
27	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.	1.9	40
28	Temporal and spatial variation of indoor and outdoor airborne fungal spores, pollen, and (1 α '3)- β -d-glucan. <i>Aerobiologia</i> , 2009, 25, 147-158.	1.7	40
29	Thermal inactivation of airborne viable <i>Bacillus subtilis</i> spores by short-term exposure in axially heated air flow. <i>Journal of Aerosol Science</i> , 2010, 41, 352-363.	3.8	40
30	Collection of airborne spores by circular single-stage impactors with small jet-to-plate distance. <i>Journal of Aerosol Science</i> , 2005, 36, 575-591.	3.8	35
31	Exposure matrices of endotoxin, (1 α '3)- β -d-glucan, fungi, and dust mite allergens in flood-affected homes of New Orleans. <i>Science of the Total Environment</i> , 2010, 408, 5489-5498.	8.0	34
32	Airborne Microorganisms, Endotoxin, and (1 α '3)- β -D-Glucan Exposure in Greenhouses and Assessment of Respiratory Symptoms Among Workers. <i>Annals of Occupational Hygiene</i> , 2010, 55, 272-85.	1.9	33
33	Method for Studying Survival of Airborne Viable Microorganisms in Combustion Environments: Development and Evaluation. <i>Aerosol and Air Quality Research</i> , 2010, 10, 414-424.	2.1	32
34	Dustborne and airborne Gram-positive and Gram-negative bacteria in high versus low ERMI homes. <i>Science of the Total Environment</i> , 2014, 482-483, 92-99.	8.0	31
35	Relationship between indoor and outdoor airborne fungal spores, pollen, and (1 α '3)- β -D-glucan in homes without visible mold growth. <i>Aerobiologia</i> , 2006, 22, 227-235.	1.7	30
36	Assessment of human exposure to airborne fungi in agricultural confinements: personal inhalable sampling versus stationary sampling. <i>Annals of Agricultural and Environmental Medicine</i> , 2004, 11, 269-77.	1.0	30

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37	Effect of Gaseous Chlorine Dioxide on Indoor Microbial Contaminants. Journal of the Air and Waste Management Association, 2008, 58, 647-656.	1.9	28
38	Airborne Endotoxin and β -D-glucan in PM1 in Agricultural and Home Environments. Aerosol and Air Quality Research, 2011, 11, 376-386.	2.1	27
39	Influence of home characteristics on airborne and dustborne endotoxin and β -D-glucan. Journal of Environmental Monitoring, 2011, 13, 3246.	2.1	25
40	<i>Stenotrophomonas</i> , <i>Mycobacterium</i> , and <i>Streptomyces</i> in home dust and air: associations with moldiness and other home/family characteristics. Indoor Air, 2013, 23, 387-396.	4.3	25
41	Differentiating Between Physical and Viable Penetrations When Challenging Respirator Filters with Bioaerosols. Clean - Soil, Air, Water, 2008, 36, 615-621.	1.1	24
42	Airborne fungal cell fragments in homes in relation to total fungal biomass. Indoor Air, 2013, 23, 142-147.	4.3	24
43	Dose-dependent immunomodulating effects of endotoxin in allergic airway inflammation. Innate Immunity, 2017, 23, 249-257.	2.4	24
44	A small change in the design of a slit bioaerosol impactor significantly improves its collection characteristics. Journal of Environmental Monitoring, 2007, 9, 855.	2.1	20
45	Inactivation of Aerosolized Viruses in Continuous Air Flow with Axial Heating. Aerosol Science and Technology, 2010, 44, 1042-1048.	3.1	19
46	Issue of Compliance with Use of Personal Protective Equipment among Wastewater Workers across the Southeast Region of the United States. International Journal of Environmental Research and Public Health, 2019, 16, 2009.	2.6	18
47	Association Between Increased DNA Mutational Frequency and Thermal Inactivation of Aerosolized <i>Bacillus</i> Spores Exposed to Dry Heat. Aerosol Science and Technology, 2011, 45, 376-381.	3.1	17
48	Effect of Fluid Type and Microbial Properties on the Aerosolization of Microorganisms from Metalworking Fluids. Aerosol Science and Technology, 2004, 38, 1139-1148.	3.1	16
49	Aerosolized bacteria and microbial activity in dental clinics during cleaning procedures. Journal of Aerosol Science, 2017, 114, 209-218.	3.8	16
50	Incidence of allergenically significant fungal aerosol in a rural bakery of West Bengal, India. Mycopathologia, 2000, 149, 35-45.	3.1	15
51	Predictors and respiratory depositions of airborne endotoxin in homes using biomass fuels and LPG gas for cooking. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 112-117.	3.9	15
52	Comparison of Workplace Protection Factors for Different Biological Contaminants. Journal of Occupational and Environmental Hygiene, 2011, 8, 417-425.	1.0	14
53	Field Evaluation of N95 Filtering Facepiece Respirators on Construction Jobsites for Protection against Airborne Ultrafine Particles. International Journal of Environmental Research and Public Health, 2018, 15, 1958.	2.6	9
54	Exposure to traffic-related air pollution and bacterial diversity in the lower respiratory tract of children. PLoS ONE, 2021, 16, e0244341.	2.5	9

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55	Airborne rice pollen and pollen allergen in an agricultural field: aerobiological and immunochemical evidence. <i>Journal of Environmental Monitoring</i> , 2003, 5, 959.	2.1	8
56	Pet ownership and the risk of dying from lung cancer, findings from an 18 year follow-up of a US national cohort. <i>Environmental Research</i> , 2019, 173, 379-386.	7.5	7
57	Increased prevalence of indoor <i>Aspergillus</i> and <i>Penicillium</i> species is associated with indoor flooding and coastal proximity: a case study of 28 moldy buildings. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1681-1687.	3.5	6
58	Lag Effects of Ozone, PM2.5, and Meteorological Factors on COVID-19 New Cases at the Disease Epicenter in Queens, New York. <i>Atmosphere</i> , 2021, 12, 357.	2.3	6
59	Exposure to Varying Concentration of Fungal Spores in Grain Storage Godowns and its Effect on the Respiratory Function Status among the Workers. <i>Industrial Health</i> , 2007, 45, 449-461.	1.0	6
60	Culturability of Bacillus spores on aerosol collection filters exposed to airborne combustion products of Al, Mg, and BA·Ti. <i>Environmental Research</i> , 2016, 147, 212-217.	7.5	5
61	English language YouTube videos as a source of lead poisoning-related information: a cross-sectional study. <i>International Journal of Occupational and Environmental Health</i> , 2017, 23, 222-227.	1.2	4
62	Pet ownership and risk of dying from cancer: observation from a nationally representative cohort. <i>International Journal of Environmental Health Research</i> , 2020, 30, 105-116.	2.7	4
63	Contribution of Fungal Spores to Organic Carbon Aerosol in Indoor and Outdoor Environments in the Greater Cincinnati Area. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1348-1355.	2.1	4
64	Estimating sampling frequency in pollen exposure assessment over time. <i>Journal of Environmental Monitoring</i> , 2006, 8, 955.	2.1	3
65	Disinfection of Microbial Aerosols. <i>Advances in Environmental Microbiology</i> , 2017, , 55-71.	0.3	3
66	The mycobiomes and bacteriomes of sputum, saliva, and home dust. <i>Indoor Air</i> , 2021, 31, 357-368.	4.3	3
67	Variations of radon and airborne particulate matter near three large phosphogypsum stacks in Florida. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 284.	2.7	3
68	Association between pet ownership and the risk of dying from colorectal cancer: an 18-year follow-up of a national cohort. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2020, 28, 555-562.	1.6	2
69	Evaluation of a Filtering Facepiece Respirator and a Pleated Particulate Respirator in Filtering Ultrafine Particles and Submicron Particles in Welding and Asphalt Plant Work Environments. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6437.	2.6	2
70	Evaluation of the Survival of Bacterial Contaminants in an Inhalable Insulin Powder. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2003, 16, 55-64.	1.2	1
71	Assessing Hotel Employee Knowledge on Risk Factors and Risk Management Procedures for Microbial Contamination of Hotel Water Distribution Systems. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3539.	2.6	1
72	EFFECT OF DIFFERENT AIR FLOW RATES ON THE COLLECTION OF ATMOSPHERIC MOLD SPORES OF DIFFERENT SIZES BY A SLIT IMPACTOR. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
73	The Impact of PM 2.5 on Lung and Bronchial Cancers: Regression and Time Series Analysis in the U.S. from 1999 to 2014. , 2018, , .		1
74	Exposure to Microorganisms and Aeroallergens among Greenhouse Workers Worldwide and Associated Respiratory Diseases. MOJ Public Health, 2016, 4, .	0.1	1
75	Voc and particle concentrations in new and old model automobiles. International Journal of Transport Development and Integration, 2019, 3, 179-184.	0.9	1
76	Fungal Cell Fraction Exposure in Homes. Chest, 2012, 142, 747A.	0.8	0