

Jinhan Mo

List of Publications by Year in descending order

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94
papers

4,503
citations

101543

36
h-index

110387

64
g-index

99
all docs

99
docs citations

99
times ranked

4174
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic purification of volatile organic compounds in indoor air: A literature review. Atmospheric Environment, 2009, 43, 2229-2246.	4.1	712
2	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. Atmospheric Environment, 2011, 45, 4329-4343.	4.1	213
3	Ten cities cross-sectional questionnaire survey of children asthma and other allergies in China. Science Bulletin, 2013, 58, 4182-4189.	1.7	211
4	Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. Applied Catalysis B: Environmental, 2009, 89, 570-576.	20.2	197
5	Risk assessment of population inhalation exposure to volatile organic compounds and carbonyls in urban China. Environment International, 2014, 73, 33-45.	10.0	197
6	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. JAMA Internal Medicine, 2017, 177, 1344.	5.1	183
7	Assessing Human Exposure to Organic Pollutants in the Indoor Environment. Angewandte Chemie - International Edition, 2018, 57, 12228-12263.	13.8	149
8	Reducing Health Risks from Indoor Exposures in Rapidly Developing Urban China. Environmental Health Perspectives, 2013, 121, 751-755.	6.0	113
9	Benzene, toluene and xylenes in newly renovated homes and associated health risk in Guangzhou, China. Building and Environment, 2014, 72, 75-81.	6.9	92
10	Reducing Indoor Levels of “Outdoor PM _{2.5} ” in Urban China: Impact on Mortalities. Environmental Science & Technology, 2019, 53, 3119-3127.	10.0	88
11	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. Environment International, 2018, 114, 27-36.	10.0	80
12	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). Sustainable Cities and Society, 2021, 67, 102719.	10.4	80
13	Effect of water vapor on the by-products and decomposition rate of ppb-level toluene by photocatalytic oxidation. Applied Catalysis B: Environmental, 2013, 132-133, 212-218.	20.2	77
14	Novel insight into VOC removal performance of photocatalytic oxidation reactors. Indoor Air, 2005, 15, 291-300.	4.3	72
15	Indoor Formaldehyde Removal by Thermal Catalyst: Kinetic Characteristics, Key Parameters, and Temperature Influence. Environmental Science & Technology, 2011, 45, 5754-5760.	10.0	72
16	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. Indoor Air, 2016, 26, 39-60.	4.3	65
17	Toxic volatile organic compounds in 20 homes in Shanghai: Concentrations, inhalation health risks, and the impacts of household air cleaning. Building and Environment, 2019, 157, 309-318.	6.9	64
18	Experimental and theoretical study of a novel electrostatic enhanced air filter (EEAF) for fine particles. Journal of Aerosol Science, 2016, 102, 41-54.	3.8	61

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19	Combined use of an electrostatic precipitator and a high-efficiency particulate air filter in building ventilation systems: Effects on cardiorespiratory health indicators in healthy adults. <i>Indoor Air</i> , 2018, 28, 360-372.	4.3	57
20	Effect of TiO ₂ /adsorbent hybrid photocatalysts for toluene decomposition in gas phase. <i>Journal of Hazardous Materials</i> , 2009, 168, 276-281.	12.4	55
21	A mass transfer based method for measuring the reaction coefficients of a photocatalyst. <i>Atmospheric Environment</i> , 2007, 41, 1221-1229.	4.1	54
22	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	6.2	54
23	TRPV1 and TRPA1 in Lung Inflammation and Airway Hyperresponsiveness Induced by Fine Particulate Matter (PM _{2.5}). <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	4.0	48
24	Toward energy saving and high efficiency through an optimized use of a PET coarse filter: The development of a new electrostatically assisted air filter. <i>Energy and Buildings</i> , 2019, 186, 276-283.	6.7	48
25	Electrostatically assisted metal foam coarse filter with small pressure drop for efficient removal of fine particles: Effect of filter medium. <i>Building and Environment</i> , 2018, 144, 419-426.	6.9	45
26	Experimental study of a compact electrostatically assisted air coarse filter for efficient particle removal: Synergistic particle charging and filter polarizing. <i>Building and Environment</i> , 2018, 135, 153-161.	6.9	43
27	UV decontamination of personal protective equipment with idle laboratory biosafety cabinets during the COVID-19 pandemic. <i>PLoS ONE</i> , 2021, 16, e0241734.	2.5	43
28	Ozone, Electrostatic Precipitators, and Particle Number Concentrations: Correlations Observed in a Real Office during Working Hours. <i>Environmental Science & Technology</i> , 2016, 50, 10236-10244.	10.0	42
29	Health Risk Assessment of Inhalation Exposure to Formaldehyde and Benzene in Newly Remodeled Buildings, Beijing. <i>PLoS ONE</i> , 2013, 8, e79553.	2.5	42
30	Enhanced Photocatalytic Properties of SnO ₂ Nanocrystals with Decreased Size for ppb-level Acetaldehyde Decomposition. <i>ChemCatChem</i> , 2011, 3, 371-377.	3.7	41
31	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , 2019, 231, 256-268.	8.2	41
32	Electrostatic Precipitators as an Indoor Air Cleaner—A Literature Review. <i>Sustainability</i> , 2020, 12, 8774.	3.2	41
33	Negative ions offset cardiorespiratory benefits of PM _{2.5} reduction from residential use of negative ion air purifiers. <i>Indoor Air</i> , 2021, 31, 220-228.	4.3	40
34	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. <i>Small</i> , 2021, 17, e2102051.	10.0	40
35	New electrostatic precipitator with dielectric coatings to efficiently and safely remove sub-micro particles in the building environment. <i>Sustainable Cities and Society</i> , 2020, 55, 102063.	10.4	39
36	An in-situ thermally regenerated air purifier for indoor formaldehyde removal. <i>Indoor Air</i> , 2018, 28, 266-275.	4.3	38

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37	Health effects of exposure to indoor volatile organic compounds from 1980 to 2017: A systematic review and meta-analysis. <i>Indoor Air</i> , 2022, 32, .	4.3	37
38	Indoor exposure levels of bacteria and fungi in residences, schools, and offices in China: A systematic review. <i>Indoor Air</i> , 2020, 30, 1147-1165.	4.3	36
39	Evaluation of the performance of an electrostatic enhanced air filter (EEAF) by a numerical method. <i>Powder Technology</i> , 2018, 327, 201-214.	4.2	35
40	Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. <i>Building and Environment</i> , 2018, 136, 88-97.	6.9	35
41	Utilizing electrostatic effect in fibrous filters for efficient airborne particles removal: Principles, fabrication, and material properties. <i>Applied Materials Today</i> , 2022, 26, 101369.	4.3	35
42	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. <i>Scientific Reports</i> , 2021, 11, 2051.	3.3	34
43	Influence of fins on formaldehyde removal in annular photocatalytic reactors. <i>Building and Environment</i> , 2008, 43, 238-245.	6.9	33
44	Characteristics of Photocatalytic Oxidation of Toluene, Benzene, and Their Mixture. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 94-101.	1.9	32
45	Determination of the equivalent emission parameters of wood-based furniture by applying C-history method. <i>Atmospheric Environment</i> , 2011, 45, 5602-5611.	4.1	29
46	Evaluation of a new passive sampler using hydrophobic zeolites as adsorbents for exposure measurement of indoor BTX. <i>Analytical Methods</i> , 2013, 5, 3463.	2.7	25
47	Electrostatically assisted air coarse filtration for energy efficient ambient particles removal: Long-term performance in real environment and influencing factors. <i>Building and Environment</i> , 2019, 164, 106348.	6.9	22
48	Impacts of implementing Healthy Building guidelines for daily PM _{2.5} limit on premature deaths and economic losses in urban China: A population-based modeling study. <i>Environment International</i> , 2021, 147, 106342.	10.0	22
49	A systematic review of operating room ventilation. <i>Journal of Building Engineering</i> , 2021, 40, 102693.	3.4	22
50	Efficacy of indoor air purification in the treatment of <i>Artemisia</i> pollen-allergic rhinitis: A randomised, double-blind, clinical controlled trial. <i>Clinical Otolaryngology</i> , 2020, 45, 394-401.	1.2	21
51	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. <i>Environmental Pollution</i> , 2020, 263, 114503.	7.5	21
52	Adsorption film with sub-milli-interface morphologies via direct ink writing for indoor formaldehyde removal. <i>Journal of Hazardous Materials</i> , 2022, 427, 128190.	12.4	21
53	A new pin-to-plate corona discharger with clean air protection for particulate matter removal. <i>Energy and Built Environment</i> , 2020, 1, 87-92.	5.9	19
54	Nitrated Polycyclic Aromatic Hydrocarbons and Arachidonic Acid Metabolisms Relevant to Cardiovascular Pathophysiology: Findings from a Panel Study in Healthy Adults. <i>Environmental Science & Technology</i> , 2021, 55, 3867-3875.	10.0	19

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55	Electrically Responsive Coarse Filters Endowed by High-Dielectric-Constant Surface Coatings toward Efficient Removal of Ultrafine Particles and Ozone. <i>ACS ES&T Engineering</i> , 2021, 1, 1449-1459.	7.6	19
56	Associations of ozone exposure with urinary metabolites of arachidonic acid. <i>Environment International</i> , 2020, 145, 106154.	10.0	18
57	Vertical macro-channel modification of a flexible adsorption board with in-situ thermal regeneration for indoor gas purification to increase effective adsorption capacity. <i>Environmental Research</i> , 2021, 192, 110218.	7.5	18
58	Inverse Problem Optimization Method to Design Passive Samplers for Volatile Organic Compounds: Principle and Application. <i>Environmental Science & Technology</i> , 2016, 50, 13477-13485.	10.0	17
59	Effects of personal air pollutant exposure on oxidative stress: Potential confounding by natural variation in melatonin levels. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 116-123.	4.3	17
60	Gaseous formaldehyde removal: A laminated plate fabricated with activated carbon, polyimide, and copper foil with adjustable surface temperature and capable of in situ thermal regeneration. <i>Indoor Air</i> , 2019, 29, 469-476.	4.3	16
61	Assessing the filtration efficiency and regulatory status of N95s and nontraditional filtering face-piece respirators available during the COVID-19 pandemic. <i>BMC Infectious Diseases</i> , 2021, 21, 712.	2.9	16
62	Indoor PM2.5 concentrations in China: A concise review of the literature published in the past 40 years. <i>Building and Environment</i> , 2021, 198, 107898.	6.9	16
63	Towards zero energy buildings: A novel passive solar house integrated with flat gravity-assisted heat pipes. <i>Applied Energy</i> , 2022, 306, 117981.	10.1	16
64	Improving the indoor thermal environment in lightweight buildings in winter by passive solar heating: An experimental study. <i>Indoor and Built Environment</i> , 2022, 31, 2257-2273.	2.8	15
65	Electrostatic Air Filtration by Multifunctional Dielectric Heterocaking Filters with Ultralow Pressure Drop. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29383-29392.	8.0	14
66	Efficiently remove submicron particles by a novel foldable electrostatically assisted air coarse filter. <i>Separation and Purification Technology</i> , 2022, 288, 120631.	7.9	14
67	Quantitative detection method of semiquinone free radicals on particulate matters using electron spin resonance spectroscopy. <i>Sustainable Cities and Society</i> , 2019, 49, 101614.	10.4	13
68	Indoor exposure levels of ammonia in residences, schools, and offices in China from 1980 to 2019: A systematic review. <i>Indoor Air</i> , 2021, 31, 1691-1706.	4.3	13
69	Experimental and modeling investigations on the adsorption behaviors of indoor volatile organic compounds in an in-situ thermally regenerated adsorption-board module. <i>Building and Environment</i> , 2021, 203, 108065.	6.9	13
70	Endogenous melatonin mediation of systemic inflammatory responses to ozone exposure in healthy adults. <i>Science of the Total Environment</i> , 2020, 749, 141301.	8.0	12
71	Removal of gaseous DiBP and DnBP by ionizer-assisted filtration with an external electrostatic field. <i>Environmental Pollution</i> , 2020, 267, 115591.	7.5	11
72	Indoor exposure levels of radon in dwellings, schools, and offices in China from 2000 to 2020: A systematic review. <i>Indoor Air</i> , 2021, , .	4.3	11

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73	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. <i>Environment International</i> , 2021, 156, 106623.	10.0	11
74	Partitioning of airborne PAEs on indoor impermeable surfaces: A microscopic view of the sorption process. <i>Journal of Hazardous Materials</i> , 2022, 424, 127326.	12.4	11
75	Erfassung der Humanexposition mit organischen Verbindungen in Innenraumumgebungen. <i>Angewandte Chemie</i> , 2018, 130, 12406-12443.	2.0	10
76	Household renovation before and during pregnancy in relation to preterm birth and low birthweight in China. <i>Indoor Air</i> , 2019, 29, 202-214.	4.3	10
77	Frequent recovery of influenza A but not influenza B virus RNA in aerosols in pediatric patient rooms. <i>Indoor Air</i> , 2020, 30, 805-815.	4.3	10
78	Ozone deposition velocities on cotton clothing surface determined by the field and laboratory emission cell. <i>Indoor and Built Environment</i> , 2017, 26, 631-641.	2.8	9
79	Real-Time Monitoring of Indoor Organic Compounds. , 0, , 65-99.		9
80	Investigating the Influence of Metalâ€“Organic Framework Loading on the Filtration Performance of Electrospun Nanofiber Air Filters. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27096-27106.	8.0	9
81	Characteristics of Carbonyls in Beijing Urban Residences: Concentrations, Source Strengths and Influential Factors. <i>Procedia Engineering</i> , 2015, 121, 2052-2059.	1.2	8
82	A method using porous media to deliver gas-phase phthalates rapidly and at a constant concentration: Effects of temperature and media. <i>Environmental Pollution</i> , 2020, 262, 113823.	7.5	8
83	How to Select Adsorption Material for Removing Gas Phase Indoor Air Pollutants: A New Parameter and Approach. <i>Indoor and Built Environment</i> , 2013, 22, 30-38.	2.8	7
84	Developing a sustainable indoor air environment: Problems, considerations and suggestions. <i>Chinese Science Bulletin</i> , 2015, 60, 1651-1660.	0.7	7
85	Efficacy of indoor air purification in treating <i>Artemisia</i> (mugwort) pollen allergic rhinitis: study protocol for a randomised controlled trial. <i>BMC Public Health</i> , 2018, 18, 841.	2.9	6
86	Ergonomics for indoor air environments: Problems, reflections and investigations. <i>Chinese Science Bulletin</i> , 2022, 67, 1729-1743.	0.7	6
87	Age modification of ozone associations with cardiovascular disease risk in adults: a potential role for soluble P-selectin and blood pressure. <i>Journal of Thoracic Disease</i> , 2018, 10, 4643-4652.	1.4	5
88	Fast fabricating cross-linked nanofibers into flameproof metal foam by air-drawn electrospinning for electrostatically assisted particle removal. <i>Separation and Purification Technology</i> , 2021, 274, 119076.	7.9	5
89	Filtration Performance of Ultrathin Electrospun Cellulose Acetate Filters Doped with TiO ₂ and Activated Charcoal. <i>Buildings</i> , 2021, 11, 557.	3.1	5
90	Prediction and validation of diffusive uptake rates for indoor volatile organic compounds in axial passive samplers. <i>Energy and Built Environment</i> , 2024, 5, 24-31.	5.9	5

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91	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. <i>Environmental Pollution</i> , 2021, 289, 117945.	7.5	3
92	The influence of indoor environmental factors on toluene uptake rate of a tube-type diffusive sampler. <i>Journal of Building Engineering</i> , 2022, 54, 104587.	3.4	2
93	Tightening Standards for Indoor Levels of PM2.5: A Promising Approach for Reducing PM2.5 Associated Mortalities in Urban China. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	0
94	Single-Stage Air Filtration of Particles and Gaseous Contaminants in Buildings: A Literature Study. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 588, 032073.	0.3	0