Jinhan Mo

List of Publications by Year
in descending order

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94 papers	4,503 citations	109137 35 h-index	110170 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.	1.9	712
2	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. Atmospheric Environment, 2011, 45, 4329-4343.	1.9	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.	10.8	197
5	Risk assessment of population inhalation exposure to volatile organic compounds and carbonyls in urban China. Environment International, 2014, 73, 33-45.	4.8	197
6	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. JAMA Internal Medicine, 2017, 177, 1344.	2.6	183
7	Assessing Human Exposure to Organic Pollutants in the Indoor Environment. Angewandte Chemie - International Edition, 2018, 57, 12228-12263.	7.2	149
8	Reducing Health Risks from Indoor Exposures in Rapidly Developing Urban China. Environmental Health Perspectives, 2013, 121, 751-755.	2.8	113
9	Benzene, toluene and xylenes in newly renovated homes and associated health risk in Guangzhou, China. Building and Environment, 2014, 72, 75-81.	3.0	92
10	Reducing Indoor Levels of â€œOutdoor PM_{2.5}â€•in Urban China: Impact on Mortalities. Environmental Science & Technology, 2019, 53, 3119-3127.	4.6	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.	4.8	80
12	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). Sustainable Cities and Society, 2021, 67, 102719.	5.1	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.	10.8	77
14	Novel insight into VOC removal performance of photocatalytic oxidation reactors. Indoor Air, 2005, 15, 291-300.	2.0	72
15	Indoor Formaldehyde Removal by Thermal Catalyst: Kinetic Characteristics, Key Parameters, and Temperature Influence. Environmental Science & Technology, 2011, 45, 5754-5760.	4.6	72
16	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. Indoor Air, 2016, 26, 39-60.	2.0	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.	3.0	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.	1.8	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. Indoor Air, 2018, 28, 360-372.	2.0	57
20	Effect of TiO2/adsorbent hybrid photocatalysts for toluene decomposition in gas phase. Journal of Hazardous Materials, 2009, 168, 276-281.	6.5	55
21	A mass transfer based method for measuring the reaction coefficients of a photocatalyst. Atmospheric Environment, 2007, 41, 1221-1229.	1.9	54
22	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. JAMA Pediatrics, 2020, 174, 533.	3.3	54
23	TRPV1 and TRPA1 in Lung Inflammation and Airway Hyperresponsiveness Induced by Fine Particulate Matter (PM_{2.5}). Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	1.9	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. Energy and Buildings, 2019, 186, 276-283.	3.1	48
25	Electrostatically assisted metal foam coarse filter with small pressure drop for efficient removal of fine particles: Effect of filter medium. Building and Environment, 2018, 144, 419-426.	3.0	45
26	Experimental study of a compact electrostatically assisted air coarse filter for efficient particle removal: Synergistic particle charging and filter polarizing. Building and Environment, 2018, 135, 153-161.	3.0	43
27	UV decontamination of personal protective equipment with idle laboratory biosafety cabinets during the COVID-19 pandemic. PLoS ONE, 2021, 16, e0241734.	1.1	43
28	Ozone, Electrostatic Precipitators, and Particle Number Concentrations: Correlations Observed in a Real Office during Working Hours. Environmental Science & Technology, 2016, 50, 10236-10244.	4.6	42
29	Health Risk Assessment of Inhalation Exposure to Formaldehyde and Benzene in Newly Remodeled Buildings, Beijing. PLoS ONE, 2013, 8, e79553.	1.1	42
30	Enhanced Photocatalytic Properties of SnO₂ Nanocrystals with Decreased Size for ppbâ€level Acetaldehyde Decomposition. ChemCatChem, 2011, 3, 371-377.	1.8	41
31	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. Chemosphere, 2019, 231, 256-268.	4.2	41
32	Electrostatic Precipitators as an Indoor Air Cleanerâ€”A Literature Review. Sustainability, 2020, 12, 8774.	1.6	41
33	Negative ions offset cardiorespiratory benefits of PM _{2.5} reduction from residential use of negative ion air purifiers. Indoor Air, 2021, 31, 220-228.	2.0	40
34	Ultralow Resistance Twoâ€Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. Small, 2021, 17, e2102051.	5.2	40
35	New electrostatic precipitator with dielectric coatings to efficiently and safely remove sub-micro particles in the building environment. Sustainable Cities and Society, 2020, 55, 102063.	5.1	39
36	An in-situ thermally regenerated air purifier for indoor formaldehyde removal. Indoor Air, 2018, 28, 266-275.	2.0	38

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37	Health effects of exposure to indoor volatile organic compounds from 1980 to 2017: A systematic review and metaâ€analysis. Indoor Air, 2022, 32, .	2.0	37
38	Indoor exposure levels of bacteria and fungi in residences, schools, and offices in China: A systematic review. Indoor Air, 2020, 30, 1147-1165.	2.0	36
39	Evaluation of the performance of an electrostatic enhanced air filter (EEAF) by a numerical method. Powder Technology, 2018, 327, 201-214.	2.1	35
40	Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. Building and Environment, 2018, 136, 88-97.	3.0	35
41	Utilizing electrostatic effect in fibrous filters for efficient airborne particles removal: Principles, fabrication, and material properties. Applied Materials Today, 2022, 26, 101369.	2.3	35
42	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. Scientific Reports, 2021, 11, 2051.	1.6	34
43	Influence of fins on formaldehyde removal in annular photocatalytic reactors. Building and Environment, 2008, 43, 238-245.	3.0	33
44	Characteristics of Photocatalytic Oxidation of Toluene, Benzene, and Their Mixture. Journal of the Air and Waste Management Association, 2007, 57, 94-101.	0.9	32
45	Determination of the equivalent emission parameters of wood-based furniture by applying C-history method. Atmospheric Environment, 2011, 45, 5602-5611.	1.9	29
46	Evaluation of a new passive sampler using hydrophobic zeolites as adsorbents for exposure measurement of indoor BTX. Analytical Methods, 2013, 5, 3463.	1.3	25
47	Electrostatically assisted air coarse filtration for energy efficient ambient particles removal: Long-term performance in real environment and influencing factors. Building and Environment, 2019, 164, 106348.	3.0	22
48	Impacts of implementing Healthy Building guidelines for daily PM2.5 limit on premature deaths and economic losses in urban China: A population-based modeling study. Environment International, 2021, 147, 106342.	4.8	22
49	A systematic review of operating room ventilation. Journal of Building Engineering, 2021, 40, 102693.	1.6	22
50	Efficacy of indoor air purification in the treatment of Artemisia pollenâ€allergic rhinitis: A randomised, doubleâ€blind, clinical controlled trial. Clinical Otolaryngology, 2020, 45, 394-401.	0.6	21
51	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. Environmental Pollution, 2020, 263, 114503.	3.7	21
52	Adsorption film with sub-milli-interface morphologies via direct ink writing for indoor formaldehyde removal. Journal of Hazardous Materials, 2022, 427, 128190.	6.5	21
53	A new pin-to-plate corona discharger with clean air protection for particulate matter removal. Energy and Built Environment, 2020, 1, 87-92.	2.9	19
54	Nitrated Polycyclic Aromatic Hydrocarbons and Arachidonic Acid Metabolisms Relevant to Cardiovascular Pathophysiology: Findings from a Panel Study in Healthy Adults. Environmental Science & Technology, 2021, 55, 3867-3875.	4.6	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. ACS ES&T Engineering, 2021, 1, 1449-1459.	3.7	19
56	Associations of ozone exposure with urinary metabolites of arachidonic acid. Environment International, 2020, 145, 106154.	4.8	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. Environmental Research, 2021, 192, 110218.	3.7	18
58	Inverse Problem Optimization Method to Design Passive Samplers for Volatile Organic Compounds: Principle and Application. Environmental Science & Technology, 2016, 50, 13477-13485.	4.6	17
59	Effects of personal air pollutant exposure on oxidative stress: Potential confounding by natural variation in melatonin levels. International Journal of Hygiene and Environmental Health, 2020, 223, 116-123.	2.1	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. Indoor Air, 2019, 29, 469-476.	2.0	16
61	Assessing the filtration efficiency and regulatory status of N95s and nontraditional filtering face-piece respirators available during the COVID-19 pandemic. BMC Infectious Diseases, 2021, 21, 712.	1.3	16
62	Indoor PM2.5 concentrations in China: A concise review of the literature published in the past 40 years. Building and Environment, 2021, 198, 107898.	3.0	16
63	Towards zero energy buildings: A novel passive solar house integrated with flat gravity-assisted heat pipes. Applied Energy, 2022, 306, 117981.	5.1	16
64	Improving the indoor thermal environment in lightweight buildings in winter by passive solar heating: An experimental study. Indoor and Built Environment, 2022, 31, 2257-2273.	1.5	15
65	Electrostatic Air Filtration by Multifunctional Dielectric Heterocaking Filters with Ultralow Pressure Drop. ACS Applied Materials & Interfaces, 2020, 12, 29383-29392.	4.0	14
66	Efficiently remove submicron particles by a novel foldable electrostatically assisted air coarse filter. Separation and Purification Technology, 2022, 288, 120631.	3.9	14
67	Quantitative detection method of semiquinone free radicals on particulate matters using electron spin resonance spectroscopy. Sustainable Cities and Society, 2019, 49, 101614.	5.1	13
68	Indoor exposure levels of ammonia in residences, schools, and offices in China from 1980 to 2019: A systematic review. Indoor Air, 2021, 31, 1691-1706.	2.0	13
69	Experimental and modeling investigations on the adsorption behaviors of indoor volatile organic compounds in an in-situ thermally regenerated adsorption-board module. Building and Environment, 2021, 203, 108065.	3.0	13
70	Endogenous melatonin mediation of systemic inflammatory responses to ozone exposure in healthy adults. Science of the Total Environment, 2020, 749, 141301.	3.9	12
71	Removal of gaseous DiBP and DnBP by ionizer-assisted filtration with an external electrostatic field. Environmental Pollution, 2020, 267, 115591.	3.7	11
72	Indoor exposure levels of radon in dwellings, schools, and offices in China from 2000 to 2020: A systematic review. Indoor Air, 2021, , .	2.0	11

#	Article	IF	Citations
73	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. Environment International, 2021, 156, 106623.	4.8	11
74	Partitioning of airborne PAEs on indoor impermeable surfaces: A microscopic view of the sorption process. Journal of Hazardous Materials, 2022, 424, 127326.	6.5	11
75	Erfassung der Humanexposition mit organischen Verbindungen in Innenraumumgebungen. Angewandte Chemie, 2018, 130, 12406-12443.	1.6	10
76	Household renovation before and during pregnancy in relation to preterm birth and low birthweight in China. Indoor Air, 2019, 29, 202-214.	2.0	10
77	Frequent recovery of influenza A but not influenza B virus RNA in aerosols in pediatric patient rooms. Indoor Air, 2020, 30, 805-815.	2.0	10
78	Ozone deposition velocities on cotton clothing surface determined by the field and laboratory emission cell. Indoor and Built Environment, 2017, 26, 631-641.	1.5	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. ACS Applied Materials & Interfaces, 2022, 14, 27096-27106.	4.0	9
81	Characteristics of Carbonyls in Beijing Urban Residences: Concentrations, Source Strengths and Influential Factors. Procedia Engineering, 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. Environmental Pollution, 2020, 262, 113823.	3.7	8
83	How to Select Adsorption Material for Removing Gas Phase Indoor Air Pollutants: A New Parameter and Approach. Indoor and Built Environment, 2013, 22, 30-38.	1.5	7
84	Developing a sustainable indoor air environment: Problems, considerations and suggestions. Chinese Science Bulletin, 2015, 60, 1651-1660.	0.4	7
85	Efficacy of indoor air purification in treating Artemisia (mugwort) pollen allergic rhinitis: study protocol for a randomised controlled trial. BMC Public Health, 2018, 18, 841.	1.2	6
86	Ergonomics for indoor air environments: Problems, reflections and investigations. Chinese Science Bulletin, 2022, 67, 1729-1743.	0.4	6
87	Age modification of ozone associations with cardiovascular disease risk in adults: a potential role for soluble P-selectin and blood pressure. Journal of Thoracic Disease, 2018, 10, 4643-4652.	0.6	5
88	Fast fabricating cross-linked nanofibers into flameproof metal foam by air-drawn electrospinning for electrostatically assisted particle removal. Separation and Purification Technology, 2021, 274, 119076.	3.9	5
89	Filtration Performance of Ultrathin Electrospun Cellulose Acetate Filters Doped with TiO2 and Activated Charcoal. Buildings, 2021, 11, 557.	1.4	5
90	Prediction and validation of diffusive uptake rates for indoor volatile organic compounds in axial passive samplers. Energy and Built Environment, 2024, 5, 24-31.	2.9	5

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91	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. Environmental Pollution, 2021, 289, 117945.	3.7	3
92	The influence of indoor environmental factors on toluene uptake rate of a tube-type diffusive sampler. Journal of Building Engineering, 2022, 54, 104587.	1.6	2
93	Tightening Standards for Indoor Levels of PM2.5: A Promising Approach for Reducing PM2.5 Associated Mortalities in Urban China. ISEE Conference Abstracts, 2018, 2018, .	0.0	0
94	Single-Stage Air Filtration of Particles and Gaseous Contaminants in Buildings: A Literature Study. IOP Conference Series: Earth and Environmental Science, 2020, 588, 032073.	0.2	0