

# Jinhan Mo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3917683/publications.pdf>

Version: 2024-02-01

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	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.	2.9	5
2	Partitioning of airborne PAEs on indoor impermeable surfaces: A microscopic view of the sorption process. <i>Journal of Hazardous Materials</i> , 2022, 424, 127326.	6.5	11
3	Towards zero energy buildings: A novel passive solar house integrated with flat gravity-assisted heat pipes. <i>Applied Energy</i> , 2022, 306, 117981.	5.1	16
4	Adsorption film with sub-milli-interface morphologies via direct ink writing for indoor formaldehyde removal. <i>Journal of Hazardous Materials</i> , 2022, 427, 128190.	6.5	21
5	Utilizing electrostatic effect in fibrous filters for efficient airborne particles removal: Principles, fabrication, and material properties. <i>Applied Materials Today</i> , 2022, 26, 101369.	2.3	35
6	Efficiently remove submicron particles by a novel foldable electrostatically assisted air coarse filter. <i>Separation and Purification Technology</i> , 2022, 288, 120631.	3.9	14
7	Ergonomics for indoor air environments: Problems, reflections and investigations. <i>Chinese Science Bulletin</i> , 2022, 67, 1729-1743.	0.4	6
8	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.	1.6	2
9	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, .	2.0	37
10	Investigating the Influence of Metal-Organic Framework Loading on the Filtration Performance of Electrospun Nanofiber Air Filters. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27096-27106.	4.0	9
11	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.	1.5	15
12	Negative ions offset cardiorespiratory benefits of PM <sub>2.5</sub> reduction from residential use of negative ion air purifiers. <i>Indoor Air</i> , 2021, 31, 220-228.	2.0	40
13	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.	3.7	18
14	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. <i>Scientific Reports</i> , 2021, 11, 2051.	1.6	34
15	Impacts of implementing Healthy Building guidelines for daily PM <sub>2.5</sub> limit on premature deaths and economic losses in urban China: A population-based modeling study. <i>Environment International</i> , 2021, 147, 106342.	4.8	22
16	Nitrated Polycyclic Aromatic Hydrocarbons and Arachidonic Acid Metabolisms Relevant to Cardiovascular Pathophysiology: Findings from a Panel Study in Healthy Adults. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3867-3875.	4.6	19
17	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). <i>Sustainable Cities and Society</i> , 2021, 67, 102719.	5.1	80
18	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.	2.0	13

#	ARTICLE	IF	CITATIONS
19	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.	1.3	16
20	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. <i>Small</i> , 2021, 17, e2102051.	5.2	40
21	UV decontamination of personal protective equipment with idle laboratory biosafety cabinets during the COVID-19 pandemic. <i>PLoS ONE</i> , 2021, 16, e0241734.	1.1	43
22	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.	3.0	16
23	Electrically Responsive Coarse Filters Endowed by High-Dielectric-Constant Surface Coatings toward Efficient Removal of Ultrafine Particles and Ozone. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1449-1459.	3.7	19
24	A systematic review of operating room ventilation. <i>Journal of Building Engineering</i> , 2021, 40, 102693.	1.6	22
25	Indoor exposure levels of radon in dwellings, schools, and offices in China from 2000 to 2020: A systematic review. <i>Indoor Air</i> , 2021, , .	2.0	11
26	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.	3.0	13
27	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. <i>Environmental Pollution</i> , 2021, 289, 117945.	3.7	3
28	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.	3.9	5
29	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. <i>Environment International</i> , 2021, 156, 106623.	4.8	11
30	Filtration Performance of Ultrathin Electrospun Cellulose Acetate Filters Doped with TiO <sub>2</sub> and Activated Charcoal. <i>Buildings</i> , 2021, 11, 557.	1.4	5
31	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.	2.1	17
32	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.	2.9	19
33	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.	3.7	8
34	Associations of ozone exposure with urinary metabolites of arachidonic acid. <i>Environment International</i> , 2020, 145, 106154.	4.8	18
35	Removal of gaseous DiBP and DnBP by ionizer-assisted filtration with an external electrostatic field. <i>Environmental Pollution</i> , 2020, 267, 115591.	3.7	11
36	Endogenous melatonin mediation of systemic inflammatory responses to ozone exposure in healthy adults. <i>Science of the Total Environment</i> , 2020, 749, 141301.	3.9	12

#	ARTICLE	IF	CITATIONS
37	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.	2.0	36
38	Electrostatic Precipitators as an Indoor Air Cleaner—A Literature Review. <i>Sustainability</i> , 2020, 12, 8774.	1.6	41
39	Electrostatic Air Filtration by Multifunctional Dielectric Heterocaking Filters with Ultralow Pressure Drop. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 29383-29392.	4.0	14
40	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.	2.0	10
41	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.	0.6	21
42	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.	5.1	39
43	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	3.3	54
44	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. <i>Environmental Pollution</i> , 2020, 263, 114503.	3.7	21
45	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.	0.2	0
46	TRPV1 and TRPA1 in Lung Inflammation and Airway Hyperresponsiveness Induced by Fine Particulate Matter (PM <sub>2.5</sub> ). <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	48
47	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.	3.1	48
48	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.	4.2	41
49	Quantitative detection method of semiquinone free radicals on particulate matters using electron spin resonance spectroscopy. <i>Sustainable Cities and Society</i> , 2019, 49, 101614.	5.1	13
50	Toxic volatile organic compounds in 20 homes in Shanghai: Concentrations, inhalation health risks, and the impacts of household air cleaning. <i>Building and Environment</i> , 2019, 157, 309-318.	3.0	64
51	Reducing Indoor Levels of Outdoor PM <sub>2.5</sub> in Urban China: Impact on Mortalities. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3119-3127.	4.6	88
52	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.	2.0	16
53	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.	3.0	22
54	Household renovation before and during pregnancy in relation to preterm birth and low birthweight in China. <i>Indoor Air</i> , 2019, 29, 202-214.	2.0	10

#	ARTICLE	IF	CITATIONS
55	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. <i>Environment International</i> , 2018, 114, 27-36.	4.8	80
56	Erfassung der Humanexposition mit organischen Verbindungen in Innenraumumgebungen. <i>Angewandte Chemie</i> , 2018, 130, 12406-12443.	1.6	10
57	Evaluation of the performance of an electrostatic enhanced air filter (EEAF) by a numerical method. <i>Powder Technology</i> , 2018, 327, 201-214.	2.1	35
58	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.	2.0	57
59	Assessing Human Exposure to Organic Pollutants in the Indoor Environment. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12228-12263.	7.2	149
60	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.	3.0	43
61	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.	3.0	35
62	An in-situ thermally regenerated air purifier for indoor formaldehyde removal. <i>Indoor Air</i> , 2018, 28, 266-275.	2.0	38
63	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.	0.6	5
64	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.	3.0	45
65	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.	1.2	6
66	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
67	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.	1.5	9
68	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. <i>JAMA Internal Medicine</i> , 2017, 177, 1344.	2.6	183
69	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. <i>Indoor Air</i> , 2016, 26, 39-60.	2.0	65
70	Ozone, Electrostatic Precipitators, and Particle Number Concentrations: Correlations Observed in a Real Office during Working Hours. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10236-10244.	4.6	42
71	Inverse Problem Optimization Method to Design Passive Samplers for Volatile Organic Compounds: Principle and Application. <i>Environmental Science &amp; Technology</i> , 2016, 50, 13477-13485.	4.6	17
72	Experimental and theoretical study of a novel electrostatic enhanced air filter (EEAF) for fine particles. <i>Journal of Aerosol Science</i> , 2016, 102, 41-54.	1.8	61

#	ARTICLE	IF	CITATIONS
73	Characteristics of Carbonyls in Beijing Urban Residences: Concentrations, Source Strengths and Influential Factors. <i>Procedia Engineering</i> , 2015, 121, 2052-2059.	1.2	8
74	Developing a sustainable indoor air environment: Problems, considerations and suggestions. <i>Chinese Science Bulletin</i> , 2015, 60, 1651-1660.	0.4	7
75	Risk assessment of population inhalation exposure to volatile organic compounds and carbonyls in urban China. <i>Environment International</i> , 2014, 73, 33-45.	4.8	197
76	Benzene, toluene and xylenes in newly renovated homes and associated health risk in Guangzhou, China. <i>Building and Environment</i> , 2014, 72, 75-81.	3.0	92
77	Ten cities cross-sectional questionnaire survey of children asthma and other allergies in China. <i>Science Bulletin</i> , 2013, 58, 4182-4189.	1.7	211
78	Evaluation of a new passive sampler using hydrophobic zeolites as adsorbents for exposure measurement of indoor BTX. <i>Analytical Methods</i> , 2013, 5, 3463.	1.3	25
79	Effect of water vapor on the by-products and decomposition rate of ppb-level toluene by photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 212-218.	10.8	77
80	Reducing Health Risks from Indoor Exposures in Rapidly Developing Urban China. <i>Environmental Health Perspectives</i> , 2013, 121, 751-755.	2.8	113
81	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.	1.5	7
82	Health Risk Assessment of Inhalation Exposure to Formaldehyde and Benzene in Newly Remodeled Buildings, Beijing. <i>PLoS ONE</i> , 2013, 8, e79553.	1.1	42
83	Indoor Formaldehyde Removal by Thermal Catalyst: Kinetic Characteristics, Key Parameters, and Temperature Influence. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5754-5760.	4.6	72
84	Determination of the equivalent emission parameters of wood-based furniture by applying C-history method. <i>Atmospheric Environment</i> , 2011, 45, 5602-5611.	1.9	29
85	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. <i>Atmospheric Environment</i> , 2011, 45, 4329-4343.	1.9	213
86	Enhanced Photocatalytic Properties of SnO <sub>2</sub> Nanocrystals with Decreased Size for ppb-level Acetaldehyde Decomposition. <i>ChemCatChem</i> , 2011, 3, 371-377.	1.8	41
87	Photocatalytic purification of volatile organic compounds in indoor air: A literature review. <i>Atmospheric Environment</i> , 2009, 43, 2229-2246.	1.9	712
88	Effect of TiO <sub>2</sub> /adsorbent hybrid photocatalysts for toluene decomposition in gas phase. <i>Journal of Hazardous Materials</i> , 2009, 168, 276-281.	6.5	55
89	Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 570-576.	10.8	197
90	Influence of fins on formaldehyde removal in annular photocatalytic reactors. <i>Building and Environment</i> , 2008, 43, 238-245.	3.0	33

#	ARTICLE	IF	CITATIONS
91	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
92	A mass transfer based method for measuring the reaction coefficients of a photocatalyst. Atmospheric Environment, 2007, 41, 1221-1229.	1.9	54
93	Novel insight into VOC removal performance of photocatalytic oxidation reactors. Indoor Air, 2005, 15, 291-300.	2.0	72
94	Real-Time Monitoring of Indoor Organic Compounds. , 0, , 65-99.		9