

# Xinjian He

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

297  
citations

840776

11  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Particle Size on the Performance of an N95 Filtering Facepiece Respirator and a Surgical Mask at Various Breathing Conditions. <i>Aerosol Science and Technology</i> , 2013, 47, 1180-1187.	3.1	56
2	Performance of N95 elastomeric respirators in high humidity and high coal dust concentration environment. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 215-224.	10.3	24
3	Effects of Breathing Frequency and Flow Rate on the Total Inward Leakage of an Elastomeric Half-Mask Donned on an Advanced Manikin Headform. <i>Annals of Occupational Hygiene</i> , 2014, 58, 182-94.	1.9	21
4	How Does Breathing Frequency Affect the Performance of an N95 Filtering Facepiece Respirator and a Surgical Mask Against Surrogates of Viral Particles?. <i>Journal of Occupational and Environmental Hygiene</i> , 2014, 11, 178-185.	1.0	21
5	Manikin-Based Performance Evaluation of Elastomeric Respirators Against Combustion Particles. <i>Journal of Occupational and Environmental Hygiene</i> , 2013, 10, 203-212.	1.0	20
6	Respirator Performance against Nanoparticles under Simulated Workplace Activities. <i>Annals of Occupational Hygiene</i> , 2015, 59, 1012-1021.	1.9	20
7	Penetration of Combustion Aerosol Particles Through Filters of NIOSH-Certified Filtering Facepiece Respirators (FFRs). <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 678-685.	1.0	19
8	Laboratory Evaluation of the Particle Size Effect on the Performance of an Elastomeric Half-mask Respirator against Ultrafine Combustion Particles. <i>Annals of Occupational Hygiene</i> , 2013, 57, 884-97.	1.9	17
9	Performance of N95 FFRs Against Combustion and NaCl Aerosols in Dry and Moderately Humid Air: Manikin-based Study. <i>Annals of Occupational Hygiene</i> , 2016, 60, 748-760.	1.9	16
10	Correlation of Respirator Fit Measured on Human Subjects and a Static Advanced Headform. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 163-171.	1.0	15
11	Performance Comparison of N95 and P100 Filtering Facepiece Respirators with Presence of Artificial Leakage. <i>Annals of Work Exposures and Health</i> , 2020, 64, 202-216.	1.4	12
12	Performance of an improperly sized and stretched-out loose-fitting powered air-purifying respirator: Manikin-based study. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 169-176.	1.0	11
13	Experimental study on centerline velocities of a rectangular capture hood under realistic conditions. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 125-132.	1.0	8
14	Filtration efficiency of N95 filtering facepiece respirators during multi-cycles of ~8-hour simulated donning+ disinfection™. <i>Journal of Hospital Infection</i> , 2022, 127, 91-100.	2.9	8
15	A pilot study of minimum operational flow for loose-fitting powered air-purifying respirators used in healthcare cleaning services. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 440-445.	1.0	7
16	A First-Principles Study on the Structural and Carrier Transport Properties of Inorganic Perovskite CsPbI <sub>3</sub> under Pressure. <i>Crystals</i> , 2022, 12, 648.	2.2	7
17	Performance evaluation of disposable inhalable aerosol sampler at a copper electrorefinery. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 250-257.	1.0	4
18	Comparison of Simulated Workplace Protection Factors Offered by N95 and P100 Filtering Facepiece and Elastomeric Half-Mask Respirators against Particles of 10 to 400 nm. <i>Journal of Nanotechnology and Materials Science</i> , 2015, 2, 1-6.	0.2	3

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19	Performance of a new model of nasal filter when challenged against PM1 aerosols. <i>Environmental Pollutants and Bioavailability</i> , 2021, 33, 388-394.	3.0	3
20	Can nasal filters be used to reduce personal exposure against nano- to submicron-sized environmental tobacco smoke (ETS) aerosols?. <i>Aerosol Science and Technology</i> , 2022, 56, 869-882.	3.1	2
21	Quantitative Evaluation of the Performance of an Industrial Benchtop Enclosing Hood. <i>Journal of Occupational and Environmental Hygiene</i> , 2013, 10, 409-418.	1.0	1
22	¿CÓmo afecta la frecuencia respiratoria el desempeño de una mascarilla respiratoria autofiltrante N95 y de una mascarilla quirúrgica contra sustitutos de partículas virales?. <i>Journal of Occupational and Environmental Hygiene</i> , 2021, 18, S15-S24.	1.0	1
23	Assessment of Two Personal Breathing Recording Devices in a Simulated Healthcare Environment. <i>Journal of the International Society for Respiratory Protection</i> , 2018, 35, 98-111.	1.0	1