

# Qihong Deng

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

5,153  
citations

81743

39  
h-index

102304

66  
g-index

116  
all docs

116  
docs citations

116  
times ranked

4602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eczema, facial erythema, and seborrheic dermatitis symptoms among young adults in China in relation to ambient air pollution, climate, and home environment. <i>Indoor Air</i> , 2022, 32, .	2.0	10
2	Insufficient ventilation led to a probable long-range airborne transmission of SARS-CoV-2 on two buses. <i>Building and Environment</i> , 2022, 207, 108414.	3.0	69
3	Happiness in University Students: Personal, Familial, and Social Factors: A Cross-Sectional Questionnaire Survey. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4713.	1.2	8
4	Toxicological effects of traffic-related air pollution on the lungs: Evidence, biomarkers and intervention. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113570.	2.9	2
5	Maternal exposure to PM <sub>2.5</sub> /BC during pregnancy predisposes children to allergic rhinitis which varies by regions and exclusive breastfeeding. <i>Environment International</i> , 2022, 165, 107315.	4.8	7
6	Outdoor Air Pollution and Indoor Window Condensation Associated with Childhood Symptoms of Allergic Rhinitis to Pollen. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8071.	1.2	6
7	Preconception ambient temperature and preterm birth: a time-series study in rural Henan, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9407-9416.	2.7	10
8	In vivo respiratory toxicology of cooking oil fumes: Evidence, mechanisms and prevention. <i>Journal of Hazardous Materials</i> , 2021, 402, 123455.	6.5	34
9	Asthma and allergic rhinitis among young parents in China in relation to outdoor air pollution, climate and home environment. <i>Science of the Total Environment</i> , 2021, 751, 141734.	3.9	55
10	SARS-CoV-2 presented in the air of an intensive care unit (ICU). <i>Sustainable Cities and Society</i> , 2021, 65, 102446.	5.1	54
11	Ambient PM <sub>2.5</sub> and its chemical constituents on lifetime-ever pneumonia in Chinese children: A multi-center study. <i>Environment International</i> , 2021, 146, 106176.	4.8	37
12	Onset and remission of eczema at pre-school age in relation to prenatal and postnatal air pollution and home environment across China. <i>Science of the Total Environment</i> , 2021, 755, 142467.	3.9	14
13	Prevention of surgical site infection under different ventilation systems in operating room environment. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 36.	3.3	21
14	Physiologically-based pharmacokinetic modeling of benzo(a)pyrene and the metabolite in humans of different ages. <i>International Journal of Environmental Health Research</i> , 2021, 31, 202-214.	1.3	3
15	Single-cell transcriptomics uncovers phenotypic alterations in the monocytes in a Chinese population with chronic cadmium exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111881.	2.9	7
16	Preconceptional and prenatal exposure to diurnal temperature variation increases the risk of childhood pneumonia. <i>BMC Pediatrics</i> , 2021, 21, 192.	0.7	8
17	Toxic effect of cooking oil fume (COF) on lungs: Evidence of endoplasmic reticulum stress in rat. <i>Ecotoxicology and Environmental Safety</i> , 2021, 221, 112463.	2.9	12
18	Effect of outdoor air pollution and indoor environmental factors on small for gestational age. <i>Building and Environment</i> , 2021, 206, 108399.	3.0	11

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19	Home dampness/mold(D/M) improvement in children's residences over the past decade in China-a comparison of repeated surveys in 2010 and 2019. <i>Building and Environment</i> , 2021, 205, 108181.	3.0	5
20	Mortality Risk Associated with Short-Term Exposure to Particulate Matter in China: Estimating Error and Implication. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1110-1121.	4.6	22
21	Combined effects of ambient air pollution and home environmental factors on low birth weight. <i>Chemosphere</i> , 2020, 240, 124836.	4.2	62
22	An experiment and numerical study of resuspension of fungal spore particles from HVAC ducts. <i>Science of the Total Environment</i> , 2020, 708, 134742.	3.9	10
23	Numerical modeling of particle deposition in the conducting airways of asthmatic children. <i>Medical Engineering and Physics</i> , 2020, 76, 40-46.	0.8	18
24	High and low temperatures aggravate airway inflammation of asthma: Evidence in a mouse model. <i>Environmental Pollution</i> , 2020, 256, 113433.	3.7	47
25	Furry pet-related wheeze and rhinitis in pre-school children across China: Associations with early life dampness and mould, furry pet keeping, outdoor temperature, PM10 and PM2.5. <i>Environment International</i> , 2020, 144, 106033.	4.8	26
26	Early-life exposure to air pollution and childhood allergic diseases: an update on the link and its implications. <i>Expert Review of Clinical Immunology</i> , 2020, 16, 813-827.	1.3	39
27	Common cold among young adults in China without a history of asthma or allergic rhinitis - associations with warmer climate zone, dampness and mould at home, and outdoor PM10 and PM2.5. <i>Science of the Total Environment</i> , 2020, 749, 141580.	3.9	12
28	Effects of parental smoking and indoor tobacco smoke exposure on respiratory outcomes in children. <i>Scientific Reports</i> , 2020, 10, 4311.	1.6	26
29	Study of the neurotoxicity of indoor airborne nanoparticles based on a 3D human blood-brain barrier chip. <i>Environment International</i> , 2020, 143, 105598.	4.8	31
30	Heatstroke recovery at home as predicted by human thermoregulation modeling. <i>Building and Environment</i> , 2020, 173, 106752.	3.0	15
31	Associations between household renovation and rhinitis among preschool children in China: A cross-sectional study. <i>Indoor Air</i> , 2020, 30, 827-840.	2.0	8
32	Particle Deposition in Human Lung Airways: Effects of Airflow, Particle Size, and Mechanisms. <i>Aerosol and Air Quality Research</i> , 2020, 20, 2846-2858.	0.9	25
33	High prevalence of eczema among preschool children related to home renovation in China: A multi-city-based cross-sectional study. <i>Indoor Air</i> , 2019, 29, 748-760.	2.0	15
34	Endocytosis mechanism in physiologically-based pharmacokinetic modeling of nanoparticles. <i>Toxicology and Applied Pharmacology</i> , 2019, 384, 114765.	1.3	13
35	Combined effects of traffic air pollution and home environmental factors on preterm birth in China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109639.	2.9	32
36	Home environment and health: Domestic risk factors for rhinitis, throat symptoms and non-respiratory symptoms among adults across China. <i>Science of the Total Environment</i> , 2019, 681, 320-330.	3.9	19

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37	Asthma, allergic rhinitis and eczema among parents of preschool children in relation to climate, and dampness and mold in dwellings in China. <i>Environment International</i> , 2019, 130, 104910.	4.8	48
38	Household dampness-related exposures in relation to childhood asthma and rhinitis in China: A multicentre observational study. <i>Environment International</i> , 2019, 126, 735-746.	4.8	44
39	Sources of indoor particulate matter (PM) and outdoor air pollution in China in relation to asthma, wheeze, rhinitis and eczema among pre-school children: Synergistic effects between antibiotics use and PM10 and second hand smoke. <i>Environment International</i> , 2019, 125, 252-260.	4.8	108
40	Health effects of physical activity as predicted by particle deposition in the human respiratory tract. <i>Science of the Total Environment</i> , 2019, 657, 819-826.	3.9	37
41	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
42	Particle deposition in the human lung: Health implications of particulate matter from different sources. <i>Environmental Research</i> , 2019, 169, 237-245.	3.7	197
43	Dampness and mold in homes across China: Associations with rhinitis, ocular, throat and dermal symptoms, headache and fatigue among adults. <i>Indoor Air</i> , 2019, 29, 30-42.	2.0	49
44	Onset and remission of childhood wheeze and rhinitis across China – Associations with early life indoor and outdoor air pollution. <i>Environment International</i> , 2019, 123, 61-69.	4.8	81
45	Associations of household renovation materials and periods with childhood asthma, in China: A retrospective cohort study. <i>Environment International</i> , 2018, 113, 240-248.	4.8	27
46	Prenatal exposure to ambient temperature variation increases the risk of common cold in children. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 221-227.	2.9	23
47	Residential risk factors for childhood pneumonia: A cross-sectional study in eight cities of China. <i>Environment International</i> , 2018, 116, 83-91.	4.8	40
48	Parental stress and air pollution increase childhood asthma in China. <i>Environmental Research</i> , 2018, 165, 23-31.	3.7	46
49	Asthma and rhinitis among Chinese children – Indoor and outdoor air pollution and indicators of socioeconomic status (SES). <i>Environment International</i> , 2018, 115, 1-8.	4.8	95
50	Seasonal Effect on Association between Atmospheric Pollutants and Hospital Emergency Room Visit for Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 169-176.	0.7	14
51	The effects of PM2.5 on asthmatic and allergic diseases or symptoms in preschool children of six Chinese cities, based on China, Children, Homes and Health (CCHH) project. <i>Environmental Pollution</i> , 2018, 232, 329-337.	3.7	110
52	Particle deposition in tracheobronchial airways of an infant, child and adult. <i>Science of the Total Environment</i> , 2018, 612, 339-346.	3.9	80
53	Outdoor particulate air pollution and indoor renovation associated with childhood pneumonia in China. <i>Atmospheric Environment</i> , 2018, 174, 76-81.	1.9	46
54	Effects of fine particulate matter and its constituents on childhood pneumonia: a cross-sectional study in six Chinese cities. <i>Lancet, The</i> , 2018, 392, S79.	6.3	3

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55	Preterm birth and ambient temperature: Strong association during night-time and warm seasons. <i>Journal of Thermal Biology</i> , 2018, 78, 381-390.	1.1	39
56	The basic roles of indoor plants in human health and comfort. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36087-36101.	2.7	77
57	Buoyancy-induced flow and heat transfer in multilayered cavities with openings. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 1774-1790.	1.6	3
58	Heatstroke at home: Prediction by thermoregulation modeling. <i>Building and Environment</i> , 2018, 137, 147-156.	3.0	38
59	Lifetime-ever pneumonia among pre-school children across China – Associations with pre-natal and post-natal early life environmental factors. <i>Environmental Research</i> , 2018, 167, 418-427.	3.7	27
60	An epidemiological assessment of the effect of ambient temperature on the incidence of preterm births: Identifying windows of susceptibility during pregnancy. <i>Journal of Thermal Biology</i> , 2018, 74, 201-207.	1.1	34
61	Early life exposure to environmental pollution increases childhood asthma, allergy and infection. <i>Chinese Science Bulletin</i> , 2018, 63, 954-967.	0.4	3
62	Doctor diagnosed asthma and wheeze among Chinese pre-school children in relation to indoor and outdoor air pollution and urbanization. , 2018, , .		0
63	Human thermal sensation and comfort in a non-uniform environment with personalized heating. <i>Science of the Total Environment</i> , 2017, 578, 242-248.	3.9	69
64	Prenatal exposure to diurnal temperature variation and early childhood pneumonia. <i>Journal of Thermal Biology</i> , 2017, 65, 105-112.	1.1	22
65	Common cold among pre-school children in China - associations with ambient PM 10 and dampness, mould, cats, dogs, rats and cockroaches in the home environment. <i>Environment International</i> , 2017, 103, 13-22.	4.8	45
66	Association between prenatal exposure to industrial air pollution and onset of early childhood ear infection in China. <i>Atmospheric Environment</i> , 2017, 157, 18-26.	1.9	29
67	Numerical modeling of particle deposition in ferret airways: A comparison with humans. <i>Aerosol Science and Technology</i> , 2017, 51, 477-487.	1.5	12
68	Maternal exposure to ambient air temperature during pregnancy and early childhood pneumonia. <i>Journal of Thermal Biology</i> , 2017, 69, 288-293.	1.1	28
69	Experimental and numerical study of the performance of upper-room ultraviolet germicidal irradiation with the effective $Z$ -value of airborne bacteria. <i>Aerosol Science and Technology</i> , 2017, 51, 1123-1134.	1.5	20
70	Lifetime cancer risk assessment for inhalation exposure to di(2-ethylhexyl) phthalate (DEHP). <i>Environmental Science and Pollution Research</i> , 2017, 24, 312-320.	2.7	40
71	Preconceptional and perinatal exposure to traffic-related air pollution and eczema in preschool children. <i>Journal of Dermatological Science</i> , 2017, 85, 85-95.	1.0	60
72	Association of outdoor air pollution and indoor renovation with early childhood ear infection in China. <i>Chemosphere</i> , 2017, 169, 288-296.	4.2	34

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73	Modeling the Airflow and Particle Dispersion in Street Canyons under Unsteady Thermal Environment with Sinusoidal Variation. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1021-1032.	0.9	7
74	A Case-Crossover Study between Fine Particulate Matter Elemental Composition and Emergency Admission with Cardiovascular Disease. <i>Acta Cardiologica Sinica</i> , 2017, 33, 66-73.	0.1	6
75	Evaluating Dust Particle Transport Performance within Urban Street Canyons with Different Building Heights. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1483-1496.	0.9	19
76	The effects of urban microclimate on outdoor thermal sensation and neutral temperature in hot-summer and cold-winter climate. <i>Energy and Buildings</i> , 2016, 128, 190-197.	3.1	189
77	Outdoor air pollution, meteorological conditions and indoor factors in dwellings in relation to sick building syndrome (SBS) among adults in China. <i>Science of the Total Environment</i> , 2016, 560-561, 186-196.	3.9	98
78	Preconceptional, prenatal and postnatal exposure to outdoor and indoor environmental factors on allergic diseases/symptoms in preschool children. <i>Chemosphere</i> , 2016, 152, 459-467.	4.2	111
79	Early life exposure to traffic-related air pollution and allergic rhinitis in preschool children. <i>Respiratory Medicine</i> , 2016, 121, 67-73.	1.3	103
80	Exposure to outdoor air pollution during trimesters of pregnancy and childhood asthma, allergic rhinitis, and eczema. <i>Environmental Research</i> , 2016, 150, 119-127.	3.7	228
81	Use of mean skin temperature in evaluation of individual thermal comfort for a person in a sleeping posture under steady thermal environment. <i>Indoor and Built Environment</i> , 2015, 24, 489-499.	1.5	61
82	The Effects of Lead Exposure on Serum Uric Acid and Hyperuricemia in Chinese Adults: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 9672-9682.	1.2	35
83	Characterizing ambient concentration of PM <sub>10</sub> in urban environment of central south China. <i>Indoor and Built Environment</i> , 2015, 24, 324-339.	1.5	13
84	Numerical Modelling to Evaluate the Disinfection Efficacy of Multiple Upper-Room Ultraviolet Germicidal Fixtures System. <i>Procedia Engineering</i> , 2015, 121, 1657-1664.	1.2	8
85	Strategies for reduction of episodic risk of PM <sub>10</sub> by controlling industrial and traffic emissions of SO <sub>2</sub> and NO <sub>2</sub> and meteorological parameters. <i>Indoor and Built Environment</i> , 2015, 24, 473-488.	1.5	12
86	Continuous Lead Exposure Increases Blood Pressure but Does Not Alter Kidney Function in Adults 20-44 Years of Age in a Lead-Polluted Region of China. <i>Kidney and Blood Pressure Research</i> , 2015, 40, 207-214.	0.9	14
87	Effects of early life exposure to outdoor air pollution and indoor renovation on childhood asthma in China. <i>Building and Environment</i> , 2015, 93, 84-91.	3.0	50
88	Early life exposure to ambient air pollution and childhood asthma in China. <i>Environmental Research</i> , 2015, 143, 83-92.	3.7	162
89	Effects of ambient air pollution on the prevalence of pneumonia in children: Implication for National Ambient Air Quality Standards in China. <i>Indoor and Built Environment</i> , 2014, 23, 259-269.	1.5	27
90	Numerical simulation of inter-floor airflow and impact on pollutant transport in high-rise buildings due to buoyancy-driven natural ventilation. <i>Indoor and Built Environment</i> , 2014, 23, 246-258.	1.5	8

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91	Feedback effect of human physical and psychological adaption on time period of thermal adaption in naturally ventilated building. <i>Building and Environment</i> , 2014, 76, 1-9.	3.0	28
92	Effects of ambient air pollution on allergic rhinitis among preschool children in Changsha, China. <i>Science Bulletin</i> , 2013, 58, 4252-4258.	1.7	28
93	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
94	Feedback from human adaptive behavior to neutral temperature in naturally ventilated buildings: Physical and psychological paths. <i>Building and Environment</i> , 2013, 67, 240-249.	3.0	29
95	The Influence of Synoptic Pattern and Atmospheric Boundary Layer on PM <sub>10</sub> and Urban Heat Island. <i>Indoor and Built Environment</i> , 2013, 22, 796-807.	1.5	22
96	GW24-e2132â€œ..Association between PM10 and emergency hospital visits for stroke in Changsha a case-crossover study. <i>Heart</i> , 2013, 99, A253.1-A253.	1.2	0
97	Urban Ventilation - A New Concept and Lumped Model. <i>International Journal of Ventilation</i> , 2012, 11, 131-140.	0.2	9
98	Numerical simulation of particle deposition in obstructive human airways. <i>Journal of Central South University</i> , 2012, 19, 609-614.	1.2	1
99	Characteristics of ventilation coefficient and its impact on urban air pollution. <i>Journal of Central South University</i> , 2012, 19, 615-622.	1.2	31
100	Extreme air pollution events: Modeling and prediction. <i>Journal of Central South University</i> , 2012, 19, 1668-1672.	1.2	10
101	Human thermal adaptive behaviour in naturally ventilated offices for different outdoor air temperatures: A case study in Changsha China. <i>Building and Environment</i> , 2012, 50, 76-89.	3.0	47
102	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
103	Evaluation of calculation methods of mean skin temperature for use in thermal comfort study. <i>Building and Environment</i> , 2011, 46, 478-488.	3.0	252
104	Variation in cooling load of a moving air-conditioned train compartment under the effects of ambient conditions and body thermal storage. <i>Applied Thermal Engineering</i> , 2011, 31, 1150-1162.	3.0	25
105	Chemical compositions and source apportionment of atmospheric PM10 in suburban area of Changsha, China. <i>Central South University</i> , 2010, 17, 509-515.	0.5	16
106	Fluid flow and heat transfer characteristics of natural convection in square cavities due to discrete sourceâ€œsink pairs. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 5949-5957.	2.5	108
107	Natural Convection in a Rectangular Enclosure with Sinusoidal Temperature Distributions on both Side Walls. <i>Numerical Heat Transfer; Part A: Applications</i> , 2008, 54, 507-524.	1.2	91
108	Flow bifurcation due to opposing buoyancy in two vertically connected open cavities. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 3298-3312.	2.5	19

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109	Fluid, heat and contaminant transport structures of laminar double-diffusive mixed convection in a two-dimensional ventilated enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 5257-5269.	2.5	85
110	Indoor air environment: more structures to see?. <i>Building and Environment</i> , 2004, 39, 1417-1425.	3.0	12
111	SPECIAL TREATMENT OF PRESSURE CORRECTION BASED ON CONTINUITY CONSERVATION IN A PRESSURE-BASED ALGORITHM. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2002, 42, 73-92.	0.6	19
112	Numerical visualization of mass and heat transport for conjugate natural convection/heat conduction by streamline and heatline. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 2373-2385.	2.5	136
113	Numerical visualization of mass and heat transport for mixed convective heat transfer by streamline and heatline. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 2387-2396.	2.5	32
114	A combined temperature scale for analyzing natural convection in rectangular enclosures with discrete wall heat sources. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 3437-3446.	2.5	74
115	Interaction between discrete heat sources in horizontal natural convection enclosures. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 5117-5132.	2.5	72