Qihong Deng

List of Publications by Year
in descending order

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121	5,775	54494	69955
papers	citations	42 h-index	72 g-index

125	125	125	5604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting survival time for cold exposure by thermoregulation modeling. Building and Environment, 2024, 249, 111127.	7.0	7
2	One allergy: one exposure and one pathway. Pediatric Research, 2024, 95, 1683-1684.	2.1	2
3	Early-life exposure to air pollution associated with food allergy in children: Implications for â€˜one allergyâ€™ concept. Environmental Research, 2023, 216, 114713.	8.0	24
4	Thermoregulatory analysis of warm footbaths before bedtime: Implications for enhancing sleep quality. Building and Environment, 2023, 227, 109788.	7.0	9
5	Biophysical modelling predicts unreliable core temperature responses on healthy older adults using electric fans at residential homes during heatwaves. Building and Environment, 2023, 228, 109888.	7.0	8
6	Particle Deposition in Large-Scale Human Tracheobronchial Airways Predicted by Single-Path Modelling. International Journal of Environmental Research and Public Health, 2023, 20, 4583.	3.1	1
7	Risk of heatstroke in healthy elderly during heatwaves: A thermoregulatory modeling study. Building and Environment, 2023, 237, 110324.	7.0	24
8	Characteristics and control strategies of indoor particles: An updated review. Energy and Buildings, 2023, 294, 113232.	7.0	9
9	The role of air pollution in fetal origins of childhood allergy: Challenges and opportunities. Current Opinion in Environmental Science and Health, 2023, 33, 100474.	5.1	1
10	Eczema, facial erythema, and seborrheic dermatitis symptoms among young adults in China in relation to ambient air pollution, climate, and home environment. Indoor Air, 2022, 32, .	4.2	16
11	Insufficient ventilation led to a probable long-range airborne transmission of SARS-CoV-2 on two buses. Building and Environment, 2022, 207, 108414.	7.0	91
12	Happiness in University Students: Personal, Familial, and Social Factors: A Cross-Sectional Questionnaire Survey. International Journal of Environmental Research and Public Health, 2022, 19, 4713.	3.1	19
13	Toxicological effects of traffic-related air pollution on the lungs: Evidence, biomarkers and intervention. Ecotoxicology and Environmental Safety, 2022, 238, 113570.	6.1	5
14	Maternal exposure to PM2.5/BC during pregnancy predisposes children to allergic rhinitis which varies by regions and exclusive breastfeeding. Environment International, 2022, 165, 107315.	10.3	15
15	Outdoor Air Pollution and Indoor Window Condensation Associated with Childhood Symptoms of Allergic Rhinitis to Pollen. International Journal of Environmental Research and Public Health, 2022, 19, 8071.	3.1	8
16	In vivo respiratory toxicology of cooking oil fumes: Evidence, mechanisms and prevention. Journal of Hazardous Materials, 2021, 402, 123455.	12.4	45
17	Asthma and allergic rhinitis among young parents in China in relation to outdoor air pollution, climate and home environment. Science of the Total Environment, 2021, 751, 141734.	8.4	61
18	SARS-CoV-2 presented in the air of an intensive care unit (ICU). Sustainable Cities and Society, 2021, 65, 102446.	11.8	55

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19	Ambient PM2.5 and its chemical constituents on lifetime-ever pneumonia in Chinese children: A multi-center study. Environment International, 2021, 146, 106176.	10.3	41
20	Onset and remission of eczema at pre-school age in relation to prenatal and postnatal air pollution and home environment across China. Science of the Total Environment, 2021, 755, 142467.	8.4	21
21	Physiologically-based pharmacokinetic modeling of benzo(a)pyrene and the metabolite in humans of different ages. International Journal of Environmental Health Research, 2021, 31, 202-214.	2.9	2
22	Single-cell transcriptomics uncovers phenotypic alterations in the monocytes in a Chinese population with chronic cadmium exposure. Ecotoxicology and Environmental Safety, 2021, 211, 111881.	6.1	10
23	Preconceptional and prenatal exposure to diurnal temperature variation increases the risk of childhood pneumonia. BMC Pediatrics, 2021, 21, .	1.8	9
24	Toxic effect of cooking oil fume (COF) on lungs: Evidence of endoplasmic reticulum stress in rat. Ecotoxicology and Environmental Safety, 2021, 221, 112463.	6.1	15
25	Effect of outdoor air pollution and indoor environmental factors on small for gestational age. Building and Environment, 2021, 206, 108399.	7.0	16
26	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. Building and Environment, 2021, 205, 108181.	7.0	9
27	Mortality Risk Associated with Short-Term Exposure to Particulate Matter in China: Estimating Error and Implication. Environmental Science & Technology, 2021, 55, 1110-1121.	11.3	30
28	Combined effects of ambient air pollution and home environmental factors on low birth weight. Chemosphere, 2020, 240, 124836.	8.4	69
29	An experiment and numerical study of resuspension of fungal spore particles from HVAC ducts. Science of the Total Environment, 2020, 708, 134742.	8.4	16
30	Numerical modeling of particle deposition in the conducting airways of asthmatic children. Medical Engineering and Physics, 2020, 76, 40-46.	2.4	25
31	High and low temperatures aggravate airway inflammation of asthma: Evidence in a mouse model. Environmental Pollution, 2020, 256, 113433.	7.8	59
32	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. Environment International, 2020, 144, 106033.	10.3	32
33	Early-life exposure to air pollution and childhood allergic diseases: an update on the link and its implications. Expert Review of Clinical Immunology, 2020, 16, 813-827.	3.7	50
34	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. Science of the Total Environment, 2020, 749, 141580.	8.4	15
35	Effects of parental smoking and indoor tobacco smoke exposure on respiratory outcomes in children. Scientific Reports, 2020, 10, .	3.7	31
36	Study of the neurotoxicity of indoor airborne nanoparticles based on a 3D human blood-brain barrier chip. Environment International, 2020, 143, 105598.	10.3	36

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37	Heatstroke recovery at home as predicted by human thermoregulation modeling. Building and Environment, 2020, 173, 106752.	7.0	20
38	Associations between household renovation and rhinitis among preschool children in China: A crossâ€sectional study. Indoor Air, 2020, 30, 827-840.	4.2	11
39	Preconception ambient temperature and preterm birth: a time-series study in rural Henan, China. Environmental Science and Pollution Research, 2020, 28, 9407-9416.	4.4	14
40	Prevention of surgical site infection under different ventilation systems in operating room environment. Frontiers of Environmental Science and Engineering, 2020, 15, .	4.9	28
41	Particle Deposition in Human Lung Airways: Effects of Airflow, Particle Size, and Mechanisms. Aerosol and Air Quality Research, 2020, 20, 2846-2858.	2.2	37
42	High prevalence of eczema among preschool children related to home renovation in China: A multiâ€cityâ€based crossâ€sectional study. Indoor Air, 2019, 29, 748-760.	4.2	15
43	Endocytosis mechanism in physiologically-based pharmacokinetic modeling of nanoparticles. Toxicology and Applied Pharmacology, 2019, 384, 114765.	3.2	16
44	Combined effects of traffic air pollution and home environmental factors on preterm birth in China. Ecotoxicology and Environmental Safety, 2019, 184, 109639.	6.1	35
45	Home environment and health: Domestic risk factors for rhinitis, throat symptoms and non-respiratory symptoms among adults across China. Science of the Total Environment, 2019, 681, 320-330.	8.4	20
46	Asthma, allergic rhinitis and eczema among parents of preschool children in relation to climate, and dampness and mold in dwellings in China. Environment International, 2019, 130, 104910.	10.3	62
47	Household dampness-related exposures in relation to childhood asthma and rhinitis in China: A multicentre observational study. Environment International, 2019, 126, 735-746.	10.3	46
48	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. Environment International, 2019, 125, 252-260.	10.3	108
49	Health effects of physical activity as predicted by particle deposition in the human respiratory tract. Science of the Total Environment, 2019, 657, 819-826.	8.4	42
50	Household renovation before and during pregnancy in relation to preterm birth and low birthweight in China. Indoor Air, 2019, 29, 202-214.	4.2	11
51	Particle deposition in the human lung: Health implications of particulate matter from different sources. Environmental Research, 2019, 169, 237-245.	8.0	221
52	Dampness and mold in homes across China: Associations with rhinitis, ocular, throat and dermal symptoms, headache and fatigue among adults. Indoor Air, 2019, 29, 30-42.	4.2	55
53	Onset and remission of childhood wheeze and rhinitis across China â€" Associations with early life indoor and outdoor air pollution. Environment International, 2019, 123, 61-69.	10.3	90
54	Associations of household renovation materials and periods with childhood asthma, in China: A retrospective cohort study. Environment International, 2018, 113, 240-248.	10.3	31

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55	Prenatal exposure to ambient temperature variation increases the risk of common cold in children. Ecotoxicology and Environmental Safety, 2018, 154, 221-227.	6.1	22
56	Residential risk factors for childhood pneumonia: A cross-sectional study in eight cities of China. Environment International, 2018, 116, 83-91.	10.3	45
57	Parental stress and air pollution increase childhood asthma in China. Environmental Research, 2018, 165, 23-31.	8.0	54
58	Asthma and rhinitis among Chinese children â€" Indoor and outdoor air pollution and indicators of socioeconomic status (SES). Environment International, 2018, 115, 1-8.	10.3	106
59	Seasonal Effect on Association between Atmospheric Pollutants and Hospital Emergency Room Visit for Stroke. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 169-176.	1.7	13
60	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. Environmental Pollution, 2018, 232, 329-337.	7.8	121
61	Particle deposition in tracheobronchial airways of an infant, child and adult. Science of the Total Environment, 2018, 612, 339-346.	8.4	87
62	Outdoor particulate air pollution and indoor renovation associated with childhood pneumonia in China. Atmospheric Environment, 2018, 174, 76-81.	3.8	49
63	Preterm birth and ambient temperature: Strong association during night-time and warm seasons. Journal of Thermal Biology, 2018, 78, 381-390.	2.8	42
64	The basic roles of indoor plants in human health and comfort. Environmental Science and Pollution Research, 2018, 25, 36087-36101.	4.4	97
65	Buoyancy-induced flow and heat transfer in multilayered cavities with openings. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 1774-1790.	4.4	7
66	Heatstroke at home: Prediction by thermoregulation modeling. Building and Environment, 2018, 137, 147-156.	7.0	61
67	Lifetime-ever pneumonia among pre-school children across China â€" Associations with pre-natal and post-natal early life environmental factors. Environmental Research, 2018, 167, 418-427.	8.0	29
68	An epidemiological assessment of the effect of ambient temperature on the incidence of preterm births: Identifying windows of susceptibility during pregnancy. Journal of Thermal Biology, 2018, 74, 201-207.	2.8	38
69	Early life exposure to environmental pollution increases childhood asthma, allergy and infection. Chinese Science Bulletin, 2018, 63, 954-967.	0.7	4
70	Doctor diagnosed asthma and wheeze among Chinese pre-school children in relation to indoor and outdoor air pollution and urbanization. , 2018, , PA5065.		0
71	Human thermal sensation and comfort in a non-uniform environment with personalized heating. Science of the Total Environment, 2017, 578, 242-248.	8.4	80
72	Prenatal exposure to diurnal temperature variation and early childhood pneumonia. Journal of Thermal Biology, 2017, 65, 105-112.	2.8	21

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73	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. Environment International, 2017, 103, 13-22.	10.3	48
74	Association between prenatal exposure to industrial air pollution and onset of early childhood ear infection in China. Atmospheric Environment, 2017, 157, 18-26.	3.8	30
75	Numerical modeling of particle deposition in ferret airways: A comparison with humans. Aerosol Science and Technology, 2017, 51, 477-487.	2.2	13
76	Maternal exposure to ambient air temperature during pregnancy and early childhood pneumonia. Journal of Thermal Biology, 2017, 69, 288-293.	2.8	26
77	Experimental and numerical study of the performance of upper-room ultraviolet germicidal irradiation with the effective Z-value of airborne bacteria. Aerosol Science and Technology, 2017, 51, 1123-1134.	2.2	23
78	Preconceptional and perinatal exposure to traffic-related air pollution and eczema in preschool children. Journal of Dermatological Science, 2017, 85, 85-95.	2.6	63
79	Association of outdoor air pollution and indoor renovation with early childhood ear infection in China. Chemosphere, 2017, 169, 288-296.	8.4	35
80	Modeling the Airflow and Particle Dispersion in Street Canyons under Unsteady Thermal Environment with Sinusoidal Variation. Aerosol and Air Quality Research, 2017, 17, 1021-1032.	2.2	8
81	Evaluating Dust Particle Transport Performance within Urban Street Canyons with Different Building Heights. Aerosol and Air Quality Research, 2016, 16, 1483-1496.	2.2	20
82	The effects of urban microclimate on outdoor thermal sensation and neutral temperature in hot-summer and cold-winter climate. Energy and Buildings, 2016, 128, 190-197.	7.0	218
83	Outdoor air pollution, meteorological conditions and indoor factors in dwellings in relation to sick building syndrome (SBS) among adults in China. Science of the Total Environment, 2016, 560-561, 186-196.	8.4	107
84	Preconceptional, prenatal and postnatal exposure to outdoor and indoor environmental factors on allergic diseases/symptoms in preschool children. Chemosphere, 2016, 152, 459-467.	8.4	113
85	Early life exposure to traffic-related air pollution and allergic rhinitis in preschool children. Respiratory Medicine, 2016, 121, 67-73.	2.8	109
86	Exposure to outdoor air pollution during trimesters of pregnancy and childhood asthma, allergic rhinitis, and eczema. Environmental Research, 2016, 150, 119-127.	8.0	236
87	Lifetime cancer risk assessment for inhalation exposure to di(2-ethylhexyl) phthalate (DEHP). Environmental Science and Pollution Research, 2016, 24, 312-320.	4.4	42
88	Use of mean skin temperature in evaluation of individual thermal comfort for a person in a sleeping posture under steady thermal environment. Indoor and Built Environment, 2015, 24, 489-499.	2.8	64
89	The Effects of Lead Exposure on Serum Uric Acid and Hyperuricemia in Chinese Adults: A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2015, 12, 9672-9682.	3.1	37
90	Characterizing ambient concentration of PM₁₀ in urban environment of central south China. Indoor and Built Environment, 2015, 24, 324-339.	2.8	13

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91	Numerical Modelling to Evaluate the Disinfection Efficacy of Multiple Upper-Room Ultaviolet Germicidal Fixtures System. Procedia Engineering, 2015, 121, 1657-1664.	1.8	6
92	Strategies for reduction of episodic risk of PM₁₀ by controlling industrial and traffic emissions of SO₂ and NO₂ and meteorological parameters. Indoor and Built Environment, 2015, 24, 473-488.	2.8	11
93	Effects of early life exposure to outdoor air pollution and indoor renovation on childhood asthma in China. Building and Environment, 2015, 93, 84-91.	7.0	51
94	Early life exposure to ambient air pollution and childhood asthma in China. Environmental Research, 2015, 143, 83-92.	8.0	162
95	Effects of ambient air pollution on the prevalence of pneumonia in children: Implication for National Ambient Air Quality Standards in China. Indoor and Built Environment, 2014, 23, 259-269.	2.8	29
96	Numerical simulation of inter-floor airflow and impact on pollutant transport in high-rise buildings due to buoyancy-driven natural ventilation. Indoor and Built Environment, 2014, 23, 246-258.	2.8	9
97	Feedback effect of human physical and psychological adaption on time period of thermal adaption in naturally ventilated building. Building and Environment, 2014, 76, 1-9.	7.0	28
98	Effects of ambient air pollution on allergic rhinitis among preschool children in Changsha, China. Science Bulletin, 2013, 58, 4252-4258.	1.3	28
99	Ten cities cross-sectional questionnaire survey of children asthma and other allergies in China. Science Bulletin, 2013, 58, 4182-4189.	1.3	219
100	Feedback from human adaptive behavior to neutral temperature in naturally ventilated buildings: Physical and psychological paths. Building and Environment, 2013, 67, 240-249.	7.0	30
101	The Influence of Synoptic Pattern and Atmospheric Boundary Layer on PM₁₀ and Urban Heat Island. Indoor and Built Environment, 2013, 22, 796-807.	2.8	23
102	GW24-e2132â€...Association between PM10 and emergency hospital visits for stroke in Changsha a case-crossover study. Heart, 2013, 99, A253.1-A253.	2.8	0
103	Urban Ventilation - A New Concept and Lumped Model. International Journal of Ventilation, 2012, 11, 131-140.	0.9	9
104	Numerical simulation of particle deposition in obstructive human airways. Journal of Central South University, 2012, 19, 609-614.	3.8	3
105	Characteristics of ventilation coefficient and its impact on urban air pollution. Journal of Central South University, 2012, 19, 615-622.	3.8	35
106	Extreme air pollution events: Modeling and prediction. Journal of Central South University, 2012, 19, 1668-1672.	3.8	11
107	Human thermal adaptive behaviour in naturally ventilated offices for different outdoor air temperatures: A case study in Changsha China. Building and Environment, 2012, 50, 76-89.	7.0	49
108	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. Atmospheric Environment, 2011, 45, 4329-4343.	3.8	224

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109	Evaluation of calculation methods of mean skin temperature for use in thermal comfort study. Building and Environment, 2011, 46, 478-488.	7.0	280
110	Variation in cooling load of a moving air-conditioned train compartment under the effects of ambient conditions and body thermal storage. Applied Thermal Engineering, 2011, 31, 1150-1162.	6.7	32
111	Chemical compositions and source apportionment of atmospheric PM10 in suburban area of Changsha, China. Central South University, 2010, 17, 509-515.	0.7	18
112	Fluid flow and heat transfer characteristics of natural convection in square cavities due to discrete sourceâ€“sink pairs. International Journal of Heat and Mass Transfer, 2008, 51, 5949-5957.	5.6	117
113	Natural Convection in a Rectangular Enclosure with Sinusoidal Temperature Distributions on both Side Walls. Numerical Heat Transfer; Part A: Applications, 2008, 54, 507-524.	2.5	93
114	Flow bifurcation due to opposing buoyancy in two vertically connected open cavities. International Journal of Heat and Mass Transfer, 2006, 49, 3298-3312.	5.6	20
115	Fluid, heat and contaminant transport structures of laminar double-diffusive mixed convection in a two-dimensional ventilated enclosure. International Journal of Heat and Mass Transfer, 2004, 47, 5257-5269.	5.6	87
116	Indoor air environment: more structures to see?. Building and Environment, 2004, 39, 1417-1425.	7.0	12
117	SPECIAL TREATMENT OF PRESSURE CORRECTION BASED ON CONTINUITY CONSERVATION IN A PRESSURE-BASED ALGORITHM. Numerical Heat Transfer, Part B: Fundamentals, 2002, 42, 73-92.	3.3	19
118	Numerical visualization of mass and heat transport for conjugate natural convection/heat conduction by streamline and heatline. International Journal of Heat and Mass Transfer, 2002, 45, 2373-2385.	5.6	138
119	Numerical visualization of mass and heat transport for mixed convective heat transfer by streamline and heatline. International Journal of Heat and Mass Transfer, 2002, 45, 2387-2396.	5.6	32
120	A combined temperature scale for analyzing natural convection in rectangular enclosures with discrete wall heat sources. International Journal of Heat and Mass Transfer, 2002, 45, 3437-3446.	5.6	75
121	Interaction between discrete heat sources in horizontal natural convection enclosures. International Journal of Heat and Mass Transfer, 2002, 45, 5117-5132.	5.6	72