

Qingyan Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211 papers	8,536 citations	50 h-index	84 g-index
222 ext. papers	10,067 ext. citations	5.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
211	Evaluation of SARS-COV-2 transmission and infection in airliner cabins.. <i>Indoor Air</i> , 2022 ,	5.4	10
210	Generalizability evaluation of k- ϵ models calibrated by using ensemble Kalman filtering for urban airflow and airborne contaminant dispersion. <i>Building and Environment</i> , 2022 , 212, 108823	6.5	
209	Investigation of airborne particle exposure in an office with mixing and displacement ventilation.. <i>Sustainable Cities and Society</i> , 2022 , 79, 103718	10.1	2
208	Evaluation of airborne particle exposure for riding elevators. <i>Building and Environment</i> , 2022 , 207, 108543	6.5	8
207	Identification of key volatile organic compounds in aircraft cabins and associated inhalation health risks.. <i>Environment International</i> , 2022 , 158, 106999	12.9	4
206	Influencing factors in the simulation of airflow and particle transportation in aircraft cabins by CFD. <i>Building and Environment</i> , 2022 , 207, 108413	6.5	10
205	Multi-objective optimization of building design for life cycle cost and CO2 emissions: A case study of a low-energy residential building in a severe cold climate. <i>Building Simulation</i> , 2022 , 15, 83-98	3.9	7
204	A study on human perception in aircraft cabins and its association with volatile organic compounds. <i>Building and Environment</i> , 2022 , 109167	6.5	0
203	Recent progress on studies of airborne infectious disease transmission, air quality, and thermal comfort in the airliner cabin air environment.. <i>Indoor Air</i> , 2022 , 32, e13032	5.4	1
202	Evaluation of different air distribution systems in a commercial airliner cabin in terms of comfort and COVID-19 infection risk. <i>Building and Environment</i> , 2021 , 208, 108590	6.5	4
201	Evaluation of fast fluid dynamics with different turbulence models for predicting outdoor airflow and pollutant dispersion. <i>Sustainable Cities and Society</i> , 2021 , 103583	10.1	3
200	What is suitable social distancing for people wearing face masks during the COVID-19 pandemic?. <i>Indoor Air</i> , 2021 ,	5.4	3
199	Evaluation of thermal sensation models for predicting thermal comfort in dynamic outdoor and indoor environments. <i>Energy and Buildings</i> , 2021 , 238, 110847	7	1
198	Reinforcement learning of occupant behavior model for cross-building transfer learning to various HVAC control systems. <i>Energy and Buildings</i> , 2021 , 238, 110860	7	18
197	Development of a novel method to detect clothing level and facial skin temperature for controlling HVAC systems. <i>Energy and Buildings</i> , 2021 , 239, 110859	7	4
196	Carbon dioxide in passenger cabins: Spatial temporal characteristics and 30-year trends. <i>Indoor Air</i> , 2021 , 31, 2200-2212	5.4	8
195	Experimental and computational investigation of wall-mounted displacement induction ventilation system. <i>Energy and Buildings</i> , 2021 , 241, 110937	7	5

194	Influencing factors of carbonyl compounds and other VOCs in commercial airliner cabins: On-board investigation of 56 flights. <i>Indoor Air</i> , 2021 , 31, 2084-2098	5.4	3
193	Optimization of multi-V filter design for airliner environmental control system using an empirical model. <i>Separation and Purification Technology</i> , 2021 , 257, 117966	8.3	3
192	Can we migrate COVID-19 spreading risk?. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 35	5.8	12
191	Associations of indoor carbon dioxide concentrations, air temperature, and humidity with perceived air quality and sick building syndrome symptoms in Chinese homes. <i>Indoor Air</i> , 2021 , 31, 1018-1028	5.4	11
190	Inverse design of the thermal environment in an airplane cockpit using the adjoint method with the momentum method. <i>Indoor Air</i> , 2021 , 31, 1614-1624	5.4	3
189	Effective ventilation and air disinfection system for reducing coronavirus disease 2019 (COVID-19) infection risk in office buildings. <i>Sustainable Cities and Society</i> , 2021 , 75, 103408	10.1	18
188	A new wall function for indoor airflow with buoyancy effect. <i>Building and Environment</i> , 2021 , 202, 108020	6.5	5
187	A comprehensive review of thermal comfort studies in urban open spaces. <i>Science of the Total Environment</i> , 2020 , 742, 140092	10.2	42
186	Improving indoor air quality and thermal comfort in residential kitchens with a new ventilation system. <i>Building and Environment</i> , 2020 , 180, 107016	6.5	16
185	Particle capture by a rotating disk in a kitchen exhaust hood. <i>Aerosol Science and Technology</i> , 2020 , 54, 929-940	3.4	2
184	An improved displacement ventilation system for a machining plant. <i>Atmospheric Environment</i> , 2020 , 228, 117419	5.3	13
183	Inverse design of an indoor environment using a filter-based topology method with experimental verification. <i>Indoor Air</i> , 2020 , 30, 1039-1051	5.4	5
182	Indoor thermal environment and air quality in Chinese-style residential kitchens. <i>Indoor Air</i> , 2020 , 30, 198-212	5.4	9
181	Performance evaluation and design guide for a coupled displacement-ventilation and passive-chilled-beam system. <i>Energy and Buildings</i> , 2020 , 208, 109654	7	6
180	Energy analysis of three ventilation systems for a large machining plant. <i>Energy and Buildings</i> , 2020 , 224, 110272	7	12
179	Thermal sensation model for driver in a passenger car with changing solar radiation. <i>Building and Environment</i> , 2020 , 183, 107219	6.5	5
178	Development and validation of a smart HVAC control system for multi-occupant offices by using occupants' physiological signals from wristband. <i>Energy and Buildings</i> , 2020 , 214, 109872	7	19
177	Impact of occupant behavior on energy use of HVAC system in offices. <i>E3S Web of Conferences</i> , 2019 , 111, 04055	0.5	3

176	A review of mitigating strategies to improve the thermal environment and thermal comfort in urban outdoor spaces. <i>Science of the Total Environment</i> , 2019 , 661, 337-353	10.2	185
175	Air change rates in urban Chinese bedrooms. <i>Indoor Air</i> , 2019 , 29, 828-839	5.4	20
174	Simulating the impact of occupant behavior on energy use of HVAC systems by implementing a behavioral artificial neural network model. <i>Energy and Buildings</i> , 2019 , 198, 216-227	7	20
173	Evaluating the commercial airliner cabin environment with different air distribution systems. <i>Indoor Air</i> , 2019 , 29, 840-853	5.4	43
172	Study of particle deposition on the complex components of environmental control systems. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 135, 1218-1232	4.9	1
171	CFD simulations of natural cross ventilation through an apartment with modified hourly wind information from a meteorological station. <i>Energy and Buildings</i> , 2019 , 195, 16-25	7	15
170	Indoor airflow and contaminant transport in a room with coupled displacement ventilation and passive-chilled-beam systems. <i>Building and Environment</i> , 2019 , 161, 106244	6.5	18
169	Evaluation of Four Models for Predicting Thermal Sensation in Chinese Residential Kitchen. <i>E3S Web of Conferences</i> , 2019 , 111, 02004	0.5	2
168	Optimal design of an indoor environment using an adjoint RNG k- ϵ turbulence model. <i>E3S Web of Conferences</i> , 2019 , 111, 04037	0.5	1
167	Assessment of Thermal Environment in a Kitchen with a New Ventilation System. <i>E3S Web of Conferences</i> , 2019 , 111, 02034	0.5	1
166	A holistic approach to natural ventilation studies. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 022002	0.4	
165	A holistic approach to natural ventilation studies. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 032067	0.4	
164	A model for calculating single-sided natural ventilation rate in an urban residential apartment. <i>Building and Environment</i> , 2019 , 147, 372-381	6.5	19
163	Experimental investigation of thermal comfort in a passenger car under driving conditions. <i>Building and Environment</i> , 2019 , 149, 109-119	6.5	27
162	Inverse design of indoor environment using an adjoint RNG k- ϵ turbulence model. <i>Indoor Air</i> , 2019 , 29, 320-330	5.4	12
161	Inverse design of aircraft cabin ventilation by integrating three methods. <i>Building and Environment</i> , 2019 , 150, 33-43	6.5	3
160	An innovative personalized displacement ventilation system for airliner cabins. <i>Building and Environment</i> , 2018 , 137, 41-50	6.5	26
159	Development of adaptive coarse grid generation methods for fast fluid dynamics in simulating indoor airflow. <i>Journal of Building Performance Simulation</i> , 2018 , 11, 470-484	2.8	12

158	Optimal design of an indoor environment by the CFD-based adjoint method with area-constrained topology and cluster analysis. <i>Building and Environment</i> , 2018 , 138, 171-180	6.5	17
157	A novel method for measuring air infiltration rate in buildings. <i>Energy and Buildings</i> , 2018 , 168, 309-318	7	16
156	Comparison of STAR-CCM+ and ANSYS Fluent for simulating indoor airflows. <i>Building Simulation</i> , 2018 , 11, 165-174	3.9	19
155	Prediction of particle deposition around the cabin air supply nozzles of commercial airplanes using measured in-cabin particle emission rates. <i>Indoor Air</i> , 2018 , 28, 852-865	5.4	11
154	Artificial neural network models using thermal sensations and occupants behavior for predicting thermal comfort. <i>Energy and Buildings</i> , 2018 , 174, 587-602	7	41
153	Influence of surrounding buildings on wind flow around a building predicted by CFD simulations. <i>Building and Environment</i> , 2018 , 140, 1-10	6.5	59
152	Numerical modeling of particle deposition in the environmental control systems of commercial airliners on ground. <i>Building Simulation</i> , 2017 , 10, 265-275	3.9	8
151	Investigating the impact of gaspers on cabin air quality in commercial airliners with a hybrid turbulence model. <i>Building and Environment</i> , 2017 , 111, 110-122	6.5	26
150	In-flight monitoring of particle deposition in the environmental control systems of commercial airliners in China. <i>Atmospheric Environment</i> , 2017 , 154, 118-128	5.3	18
149	CFD simulations of wind distribution in an urban community with a full-scale geometrical model. <i>Building and Environment</i> , 2017 , 117, 11-23	6.5	55
148	Inverse design of an indoor environment using a CFD-based adjoint method with the adaptive step size for adjusting the design parameters. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 71, 707-720	2.3	12
147	Modelling dynamic thermal sensation of human subjects in outdoor environments. <i>Energy and Buildings</i> , 2017 , 149, 16-25	7	42
146	Development of a fast fluid dynamics-based adjoint method for the inverse design of indoor environments. <i>Journal of Building Performance Simulation</i> , 2017 , 10, 326-343	2.8	30
145	Measurements and predictions of the skin temperature of human subjects on outdoor environment. <i>Energy and Buildings</i> , 2017 , 151, 476-486	7	37
144	Ventilation similarity of an aircraft cabin mockup with a real MD-82 commercial airliner. <i>Building and Environment</i> , 2017 , 111, 80-90	6.5	12
143	Numerical analysis of diffuse ceiling ventilation and its integration with a radiant ceiling system. <i>Building Simulation</i> , 2017 , 10, 203-218	3.9	23
142	Field study of infiltration rate and its influence on indoor air quality in an apartment. <i>Procedia Engineering</i> , 2017 , 205, 3954-3961		8
141	Coupling indoor airflow, HVAC, control and building envelope heat transfer in the Modelica Buildings library. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 366-381	2.8	30

140	On the turbulence models and turbulent Schmidt number in simulating stratified flows. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 134-148	2.8	17
139	Optimization of air supply location, size, and parameters in enclosed environments using a computational fluid dynamics-based adjoint method. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 149-161	2.8	21
138	Modeling of gasper-induced jet flow and its impact on cabin air quality. <i>Energy and Buildings</i> , 2016 , 127, 700-713	7	18
137	Evaluation of intervention measures for respiratory disease transmission on cruise ships. <i>Indoor and Built Environment</i> , 2016 , 25, 1267-1278	1.8	9
136	Predicting airflow distribution and contaminant transport in aircraft cabins with a simplified gasper model. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 699-708	2.8	11
135	A two-dimensional model for calculating heat transfer in the human body in a transient and non-uniform thermal environment. <i>Energy and Buildings</i> , 2016 , 118, 114-122	7	45
134	A method of assessing the energy cost saving from using an effective door closer. <i>Energy and Buildings</i> , 2016 , 118, 329-338	7	4
133	Experimental study of particle deposition in the environmental control systems of commercial airliners. <i>Building and Environment</i> , 2016 , 96, 62-71	6.5	20
132	Implementation of a fast fluid dynamics model in OpenFOAM for simulating indoor airflow. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 748-762	2.3	28
131	Recognition of air-conditioner operation from indoor air temperature and relative humidity by a data mining approach. <i>Energy and Buildings</i> , 2016 , 111, 233-241	7	16
130	Case Study of Industrial-Building Energy Performance in a Cold-Climate Region in a Developing Country. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015001	2	2
129	Strategy for Studying Ventilation Performance in Factories. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 442-452	4.6	23
128	Experimental and numerical study of airflow distribution in an aircraft cabin mock-up with a gasper on. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 555-566	2.8	35
127	Modeling dynamic responses of aircraft environmental control systems by coupling with cabin thermal environment simulations. <i>Building Simulation</i> , 2016 , 9, 459-468	3.9	5
126	Modeling particle deposition on the surfaces around a multi-slot diffuser. <i>Building and Environment</i> , 2016 , 107, 79-89	6.5	21
125	Improvement of fast fluid dynamics with a conservative semi-Lagrangian scheme. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015 , 25, 2-18	4.5	13
124	Inverse design of the thermal environment in an airliner cabin by use of the CFD-based adjoint method. <i>Energy and Buildings</i> , 2015 , 104, 147-155	7	34
123	Accelerating the Lagrangian Method for Modeling Transient Particle Transport in Indoor Environments. <i>Aerosol Science and Technology</i> , 2015 , 49, 351-361	3.4	20

122	Study of outdoor ozone penetration into buildings through ventilation and infiltration. <i>Building and Environment</i> , 2015 , 93, 112-118	6.5	23
121	Mesh Type and Number for the CFD Simulations of Air Distribution in an Aircraft Cabin. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015 , 67, 489-506	1.3	26
120	State-of-the-art methods for inverse design of an enclosed environment. <i>Building and Environment</i> , 2015 , 91, 91-100	6.5	23
119	Development of simple semiempirical models for calculating airflow through hopper, awning, and casement windows for single-sided natural ventilation. <i>Energy and Buildings</i> , 2015 , 96, 373-384	7	26
118	Adaptive shooting method for 4-point side-pumping high power Yb3+-doped double-clad fiber lasers. <i>Optical Fiber Technology</i> , 2015 , 22, 13-22	2.4	3
117	A Markov chain model for predicting transient particle transport in enclosed environments. <i>Building and Environment</i> , 2015 , 90, 30-36	6.5	55
116	Comparing the Markov Chain Model with the Eulerian and Lagrangian Models for Indoor Transient Particle Transport Simulations. <i>Aerosol Science and Technology</i> , 2015 , 49, 857-871	3.4	40
115	Good guess functions for MATLAB BVP solvers in multipoint pumping Yb3+-doped fiber lasers. <i>Optik</i> , 2015 , 126, 3145-3149	2.5	1
114	A simple error control strategy using MATLAB BVP solvers for Yb3+-doped fiber lasers. <i>Optik</i> , 2015 , 126, 3446-3451	2.5	3
113	Evaluation of different air distribution systems for sleeping spaces in transport vehicles. <i>Building and Environment</i> , 2015 , 94, 665-675	6.5	7
112	Simulating buoyancy-driven airflow in buildings by coarse-grid fast fluid dynamics. <i>Building and Environment</i> , 2015 , 85, 144-152	6.5	23
111	A method to optimize sampling locations for measuring indoor air distributions. <i>Atmospheric Environment</i> , 2015 , 102, 355-365	5.3	12
110	Numerical modeling of particle generation from ozone reactions with human-worn clothing in indoor environments. <i>Atmospheric Environment</i> , 2015 , 102, 145-155	5.3	19
109	Stimulated Brillouin scattering in Yb3+-doped dual-clad fiber lasers based on the temperature-dependent model. <i>Optik</i> , 2015 , 126, 50-55	2.5	0
108	Shooting method with excellent initial guess functions for multipoint pumping Yb3+-doped fiber lasers. <i>Optics Communications</i> , 2015 , 336, 286-294	2	2
107	Optimal air distribution design in enclosed spaces using an adjoint method. <i>Inverse Problems in Science and Engineering</i> , 2015 , 23, 760-779	1.3	22
106	Theoretical analysis of multipoint pump Yb3+-doped double-clad fiber lasers. <i>Optik</i> , 2015 , 126, 1358-1361	1.5	1
105	Modeling of the Impact of different Window Types on Single-sided Natural Ventilation. <i>Energy Procedia</i> , 2015 , 78, 1549-1555	2.3	8

104	Experimental and simulation study on the performance of daylighting in an industrial building and its energy saving potential. <i>Energy and Buildings</i> , 2014 , 73, 184-191	7	52
103	Particle image velocimetry measurement of indoor airflow field: A review of the technologies and applications. <i>Energy and Buildings</i> , 2014 , 69, 367-380	7	92
102	Number sequence transition method based on MATLAB BVP solvers for high power Yb3+-doped fiber lasers. <i>Optics and Laser Technology</i> , 2014 , 58, 76-83	4.2	12
101	Design optimization and field demonstration of natural ventilation for high-rise residential buildings. <i>Energy and Buildings</i> , 2014 , 82, 457-465	7	55
100	Impact of climate change heating and cooling energy use in buildings in the United States. <i>Energy and Buildings</i> , 2014 , 82, 428-436	7	190
99	Experimental study of gaseous and particulate contaminants distribution in an aircraft cabin. <i>Atmospheric Environment</i> , 2014 , 85, 223-233	5.3	47
98	Inverse design methods for indoor ventilation systems using CFD-based multi-objective genetic algorithm. <i>Building Simulation</i> , 2014 , 7, 661-669	3.9	33
97	Outdoor space quality: A field study in an urban residential community in central China. <i>Energy and Buildings</i> , 2014 , 68, 713-720	7	81
96	Voltage-current characteristics of needle-plate system with different media on the collection plate. <i>Journal of Electrostatics</i> , 2014 , 72, 129-135	1.7	12
95	Excellent initial guess functions for simple shooting method in Yb3+-doped fiber lasers. <i>Optical Fiber Technology</i> , 2014 , 20, 358-364	2.4	6
94	Studies of outdoor thermal comfort in northern China. <i>Building and Environment</i> , 2014 , 77, 110-118	6.5	231
93	Simplified models for exhaled airflow from a cough with the mouth covered. <i>Indoor Air</i> , 2014 , 24, 580-915	5.4	43
92	Accelerating fast fluid dynamics with a coarse-grid projection scheme. <i>HVAC and R Research</i> , 2014 , 20, 932-943		14
91	Numerical modeling of volatile organic compound emissions from ozone reactions with human-worn clothing in an aircraft cabin. <i>HVAC and R Research</i> , 2014 , 20, 922-931		11
90	Systematic study of person-to-person contaminant transport in mechanically ventilated spaces (RP-1458). <i>HVAC and R Research</i> , 2014 , 20, 80-91		15
89	A modified tracer-gas decay model for ventilation rate measurements in long and narrow spaces. <i>Indoor and Built Environment</i> , 2014 , 23, 1012-1020	1.8	7
88	A coupled computational fluid dynamics and analytical model to simulate airborne contaminant transmission in cabins. <i>Indoor and Built Environment</i> , 2014 , 23, 946-954	1.8	3
87	Assessment of various CFD models for predicting airflow and pressure drop through pleated filter system. <i>Building and Environment</i> , 2014 , 75, 132-141	6.5	49

86	Influence of floor plenum on energy performance of buildings with UFAD systems. <i>Energy and Buildings</i> , 2014 , 79, 74-83	7	8
85	Ozone reaction with clothing and its initiated particle generation in an environmental chamber. <i>Atmospheric Environment</i> , 2013 , 77, 885-892	5.3	37
84	Evaluation of various categories of turbulence models for predicting air distribution in an airliner cabin. <i>Building and Environment</i> , 2013 , 65, 118-131	6.5	66
83	A semi-empirical model for studying the impact of thermal mass and cost-return analysis on mixed-mode ventilation in office buildings. <i>Energy and Buildings</i> , 2013 , 67, 267-274	7	25
82	Simulating Natural Ventilation in and Around Buildings by Fast Fluid Dynamics. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 64, 273-289	2.3	37
81	Inverse prediction and optimization of flow control conditions for confined spaces using a CFD-based genetic algorithm. <i>Building and Environment</i> , 2013 , 64, 77-84	6.5	54
80	A hybrid model for investigating transient particle transport in enclosed environments. <i>Building and Environment</i> , 2013 , 62, 45-54	6.5	37
79	Current studies on air distributions in commercial airliner cabins. <i>Theoretical and Applied Mechanics Letters</i> , 2013 , 3, 062001	1.8	6
78	Investigation of the Performance of Airliner Cabin Air Filters throughout Lifetime Usage. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1544-1551	4.6	15
77	Simulations of ozone distributions in an aircraft cabin using computational fluid dynamics. <i>Atmospheric Environment</i> , 2012 , 54, 348-357	5.3	31
76	Accurate and high-resolution boundary conditions and flow fields in the first-class cabin of an MD-82 commercial airliner. <i>Atmospheric Environment</i> , 2012 , 56, 33-44	5.3	82
75	Experimental study of ventilation performance in laboratories with chemical spills. <i>Building and Environment</i> , 2012 , 57, 327-335	6.5	15
74	A new empirical model for predicting single-sided, wind-driven natural ventilation in buildings. <i>Energy and Buildings</i> , 2012 , 54, 386-394	7	82
73	Risk assessment of airborne infectious diseases in aircraft cabins. <i>Indoor Air</i> , 2012 , 22, 388-95	5.4	65
72	Advanced turbulence models for predicting particle transport in enclosed environments. <i>Building and Environment</i> , 2012 , 47, 40-49	6.5	64
71	State-of-the-art methods for studying air distributions in commercial airliner cabins. <i>Building and Environment</i> , 2012 , 47, 5-12	6.5	62
70	Improvements of Fast Fluid Dynamics for Simulating Air Flow in Buildings. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2012 , 62, 419-438	1.3	29
69	Reduction of Numerical Diffusion in FFD Model. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2012 , 6, 234-247	4.5	22

68	Transport of expiratory droplets in an aircraft cabin. <i>Indoor Air</i> , 2011 , 21, 3-11	5.4	114
67	Determination of particle deposition in enclosed spaces by Detached Eddy Simulation with the Lagrangian method. <i>Atmospheric Environment</i> , 2011 , 45, 5376-5384	5.3	27
66	Impact of scaling and body movement on contaminant transport in airliner cabins. <i>Atmospheric Environment</i> , 2011 , 45, 6019-6028	5.3	51
65	Impact factor for a journal and impact of an author: are they the same?. <i>Building and Environment</i> , 2011 , 46, 1-2	6.5	
64	Distributions of respiratory contaminants from a patient with different postures and exhaling modes in a single-bed inpatient room. <i>Building and Environment</i> , 2011 , 46, 75-81	6.5	31
63	Characterizing exhaled airflow from breathing and talking. <i>Indoor Air</i> , 2010 , 20, 31-9	5.4	260
62	Using CFD Capabilities of CONTAM 3.0 for Simulating Airflow and Contaminant Transport in and around Buildings. <i>HVAC and R Research</i> , 2010 , 16, 749-763		57
61	Impact of Moving Objects on Contaminant Concentration Distributions in an Inpatient Ward with Displacement Ventilation. <i>HVAC and R Research</i> , 2010 , 16, 545-563		43
60	Improvements in FFD Modeling by Using Different Numerical Schemes. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2010 , 58, 1-16	1.3	21
59	Simulations of Air Distributions in Buildings by FFD on GPU. <i>HVAC and R Research</i> , 2010 , 16, 785-798		28
58	On a Hybrid RANS/LES Approach for Indoor Airflow Modeling (RP-1271). <i>HVAC and R Research</i> , 2010 , 16, 731-747		15
57	Ventilation performance prediction for buildings: Model assessment. <i>Building and Environment</i> , 2010 , 45, 295-303	6.5	68
56	Comparison of different decontaminant delivery methods for sterilizing unoccupied commercial airliner cabins. <i>Building and Environment</i> , 2010 , 45, 2027-2034	6.5	3
55	Flow and contaminant transport in an airliner cabin induced by a moving body: Model experiments and CFD predictions. <i>Atmospheric Environment</i> , 2010 , 44, 2830-2839	5.3	100
54	Energy performance of a dual airflow window under different climates. <i>Energy and Buildings</i> , 2010 , 42, 111-122	7	34
53	Optimal design for a dual-airflow window for different climate regions in China. <i>Energy and Buildings</i> , 2010 , 42, 2200-2205	7	24
52	Fast and informative flow simulations in a building by using fast fluid dynamics model on graphics processing unit. <i>Building and Environment</i> , 2010 , 45, 747-757	6.5	60
51	Experimental and numerical analysis of heat transfer and airflow on an interactive building facade. <i>Energy and Buildings</i> , 2010 , 42, 23-28	7	47

50	Experimental Study on Displacement and Mixing Ventilation Systems for a Patient Ward. <i>HVAC and R Research</i> , 2009 , 15, 1175-1191		57
49	Assessment of Various Turbulence Models for Transitional Flows in an Enclosed Environment (RP-1271). <i>HVAC and R Research</i> , 2009 , 15, 1099-1119		95
48	Condensation Risk in a Room with a High Latent Load and Chilled Ceiling Panels and with Air Supplied from a Liquid Desiccant System. <i>HVAC and R Research</i> , 2009 , 15, 315-327		3
47	Prediction of particle deposition onto indoor surfaces by CFD with a modified Lagrangian method. <i>Atmospheric Environment</i> , 2009 , 43, 319-328	5.3	126
46	A simplified approach to describe complex diffusers in displacement ventilation for CFD simulations. <i>Indoor Air</i> , 2009 , 19, 255-67	5.4	42
45	Experimental and numerical investigation of airflow and contaminant transport in an airliner cabin mockup. <i>Building and Environment</i> , 2009 , 44, 85-94	6.5	190
44	Ventilation performance prediction for buildings: A method overview and recent applications. <i>Building and Environment</i> , 2009 , 44, 848-858	6.5	572
43	Influence of cabin conditions on placement and response of contaminant detection sensors in a commercial aircraft. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 71-81		31
42	Applications of a Coupled Multizone-CFD Model to Calculate Airflow and Contaminant Dispersion in Built Environments for Emergency Management. <i>HVAC and R Research</i> , 2008 , 14, 925-939		24
41	A Dual Airflow Window for Indoor Air Quality Improvement and Energy Conservation in Buildings. <i>HVAC and R Research</i> , 2008 , 14, 359-372		37
40	A computational method for calculating heat transfer and airflow through a dual-airflow window. <i>Energy and Buildings</i> , 2008 , 40, 452-458	7	40
39	Evaluation of some assumptions used in multizone airflow network models. <i>Building and Environment</i> , 2008 , 43, 1671-1677	6.5	57
38	Floor-supply displacement ventilation for workshops. <i>Building and Environment</i> , 2007 , 42, 1718-1730	6.5	58
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