

Jianlei Niu

List of Publications by Year in descending order

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179
papers

9,746
citations

24978

57
h-index

46693

89
g-index

186
all docs

186
docs citations

186
times ranked

5384
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient tracer gas measurements: Development and evaluation of a fast-response SF ₆ measuring system based on quartz-enhanced photoacoustic spectroscopy. <i>Indoor Air</i> , 2022, 32, .	2.0	4
2	Dynamic effects of frequent step changes in outdoor microclimate environments on thermal sensation and dissatisfaction of pedestrian during summer. <i>Sustainable Cities and Society</i> , 2022, 79, 103670.	5.1	15
3	Simulation and Formation Mechanisms of Urban Landscape Design Based on Discrete Dynamic Models Driven by Big Data. <i>Discrete Dynamics in Nature and Society</i> , 2022, 2022, 1-9.	0.5	4
4	Cooling storage performance of a novel phase change material nano-emulsion for room air-conditioning in a self-designed pilot thermal storage unit. <i>Applied Energy</i> , 2022, 308, 118405.	5.1	15
5	Towards idealized thermal stratification in a novel phase change emulsion storage tank. <i>Applied Energy</i> , 2022, 310, 118526.	5.1	8
6	Spread of SARS-CoV-2 aerosols via two connected drainage stacks in a high-rise housing outbreak of COVID-19. <i>Journal of Hazardous Materials</i> , 2022, 430, 128475.	6.5	18
7	Enhancing the cooling capacity of radiant ceiling panels by latent heat transfer of superhydrophobic surfaces. <i>Energy and Buildings</i> , 2022, 263, 112036.	3.1	9
8	Phase change material thermal energy storage design of packed bed units. <i>Journal of Energy Storage</i> , 2022, 51, 104576.	3.9	9
9	Preparation of Stable Phase Change Material Emulsions for Thermal Energy Storage and Thermal Management Applications: A Review. <i>Materials</i> , 2022, 15, 121.	1.3	7
10	Quality Analysis on Indoor Thermal Comfort and Energy-Saving Improvement Strategy of Slate Dwellings, China. <i>Buildings</i> , 2022, 12, 468.	1.4	3
11	Probable cross-corridor transmission of SARS-CoV-2 due to cross airflows and its control. <i>Building and Environment</i> , 2022, 218, 109137.	3.0	11
12	Fast fluid dynamics simulation of airflow around a single bluff body under different turbulence models and discretization schemes. <i>Building and Environment</i> , 2022, 219, 109235.	3.0	5
13	Boundary layer wind tunnel tests of outdoor airflow field around urban buildings: A review of methods and status. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112717.	8.2	21
14	Recent advances in modeling turbulent wind flow at pedestrian-level in the built environment. , 2022, 1, .		10
15	Numerical study on natural ventilation of the wind tower: Effects of combining with different window configurations in a low-rise house. <i>Building and Environment</i> , 2021, 188, 107450.	3.0	27
16	Evaluation and manipulation of the key emulsification factors toward highly stable PCM-water nano-emulsions for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110820.	3.0	25
17	Formulation of highly stable PCM nano-emulsions with reduced supercooling for thermal energy storage using surfactant mixtures. <i>Solar Energy Materials and Solar Cells</i> , 2021, 223, 110983.	3.0	29
18	Enlightenment of re-entry airflow: The path of the airflow and the airborne pollutants transmission in buildings. <i>Building and Environment</i> , 2021, 195, 107760.	3.0	5

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19	Field measurement of the urban pedestrian level wind turbulence. <i>Building and Environment</i> , 2021, 194, 107713.	3.0	31
20	Dynamic thermal pleasure in outdoor environments - temporal alliesthesia. <i>Science of the Total Environment</i> , 2021, 771, 144910.	3.9	29
21	Evaluation of the energy storage performance of PCM nano-emulsion in a small tubular heat exchanger. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101156.	2.8	14
22	Impact of wind turbulence on thermal perception in the urban microclimate. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 216, 104714.	1.7	7
23	Numerical study on the effect of diner divider on the airborne transmission of diseases in canteens. <i>Energy and Buildings</i> , 2021, 248, 111171.	3.1	33
24	An experimental study of condensation on an aluminum radiant ceiling panel surface with superhydrophobic treatment. <i>Energy and Buildings</i> , 2021, 252, 111393.	3.1	13
25	Quality Analysis on Spatial Planning Pattern of Rural Area in Southern Shaanxi, China. <i>Sustainability</i> , 2021, 13, 12668.	1.6	4
26	Exploration of applicability of UTCI and thermally comfortable sun and wind conditions outdoors in a subtropical city of Hong Kong. <i>Sustainable Cities and Society</i> , 2020, 52, 101793.	5.1	31
27	Experimental study on convective heat transfer coefficients for the human body exposed to turbulent wind conditions. <i>Building and Environment</i> , 2020, 169, 106533.	3.0	42
28	From thermal sensation to thermal affect: A multi-dimensional semantic space to assess outdoor thermal comfort. <i>Building and Environment</i> , 2020, 182, 107112.	3.0	20
29	The Impacts of a Building's Thermal Mass on the Cooling Load of a Radiant System under Various Typical Climates. <i>Energies</i> , 2020, 13, 1356.	1.6	16
30	Experimental study of storage capacity and discharging rate of latent heat thermal energy storage units. <i>Applied Energy</i> , 2020, 275, 115325.	5.1	13
31	Tracer gas is a suitable surrogate of exhaled droplet nuclei for studying airborne transmission in the built environment. <i>Building Simulation</i> , 2020, 13, 489-496.	3.0	103
32	Assessment of "lift-up" design's impact on thermal perceptions in the transition process from indoor to outdoor. <i>Sustainable Cities and Society</i> , 2020, 56, 102081.	5.1	17
33	CFD simulation of the drag effect of urban trees: Source term modification method revisited at the tree scale. <i>Sustainable Cities and Society</i> , 2020, 56, 102079.	5.1	23
34	Development of a multi-nodal thermal regulation and comfort model for the outdoor environment assessment. <i>Building and Environment</i> , 2020, 176, 106809.	3.0	26
35	Performance optimization for shell-and-tube PCM thermal energy storage. <i>Journal of Energy Storage</i> , 2020, 30, 101421.	3.9	44
36	Pedestrian-level wind and gust around buildings with a "lift-up" design: Assessment of influence from surrounding buildings by adopting LES. <i>Building Simulation</i> , 2019, 12, 1107-1118.	3.0	35

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37	Preliminary Evaluation in Terms of Building Group Layout Design Based on Simulated Local Wind and Daylight Conditions: A Case Study in Qinghai, China. <i>Energy Procedia</i> , 2019, 159, 201-206.	1.8	4
38	Experimental investigations for applying PESS to disaster relief PTHs. <i>Energy Procedia</i> , 2019, 158, 4772-4777.	1.8	1
39	Experimental analysis of driving forces and impact factors of horizontal inter-unit airborne dispersion in a residential building. <i>Building and Environment</i> , 2019, 151, 88-96.	3.0	8
40	Development and characterization of novel and stable silicon nanoparticles-embedded PCM-in-water emulsions for thermal energy storage. <i>Applied Energy</i> , 2019, 238, 1407-1416.	5.1	57
41	A numerical study on optimizing the designs of applying PCMs to a disaster-relief prefabricated temporary-house (PTH) to improve its summer daytime indoor thermal environment. <i>Energy</i> , 2019, 181, 239-249.	4.5	24
42	Outdoor thermal sensation and logistic regression analysis of comfort range of meteorological parameters in Hong Kong. <i>Building and Environment</i> , 2019, 155, 175-186.	3.0	41
43	Fanning as an alternative to air conditioning – A sustainable solution for reducing indoor occupational heat stress. <i>Energy and Buildings</i> , 2019, 193, 92-98.	3.1	32
44	Vibration Effect Produced by Raised Pavement Markers on the Exit Ramp of an Expressway. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-12.	0.9	1
45	Delayed detached eddy simulation of pedestrian-level wind around a building array – The potential to save computing resources. <i>Building and Environment</i> , 2019, 152, 28-38.	3.0	30
46	An analytical technique for the optimal designs of tube-in-tank thermal energy storage systems using PCM. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 849-859.	2.5	16
47	LES for pedestrian level wind around an idealized building array – Assessment of sensitivity to influencing parameters. <i>Sustainable Cities and Society</i> , 2019, 44, 406-415.	5.1	59
48	Investigation into the differences among several outdoor thermal comfort indices against field survey in subtropics. <i>Sustainable Cities and Society</i> , 2019, 44, 676-690.	5.1	142
49	Evaluation of a multi-nodal thermal regulation model for assessment of outdoor thermal comfort: Sensitivity to wind speed and solar radiation. <i>Building and Environment</i> , 2018, 132, 45-56.	3.0	67
50	Air infiltration induced inter-unit dispersion and infectious risk assessment in a high-rise residential building. <i>Building Simulation</i> , 2018, 11, 193-202.	3.0	15
51	Numerical analysis for maximizing effective energy storage capacity of thermal energy storage systems by enhancing heat transfer in PCM. <i>Energy and Buildings</i> , 2018, 160, 10-18.	3.1	48
52	An experimental study on applying PCMs to disaster-relief prefabricated temporary houses for improving internal thermal environment in summer. <i>Energy and Buildings</i> , 2018, 179, 301-310.	3.1	29
53	Assessment of outdoor thermal comfort in Hong Kong based on the individual desirability and acceptability of sun and wind conditions. <i>Building and Environment</i> , 2018, 145, 50-61.	3.0	51
54	Pedestrian-level wind conditions in the space underneath lift-up buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 58-69.	1.7	33

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55	Effects of building lift-up design on the wind environment for pedestrians. <i>Indoor and Built Environment</i> , 2017, 26, 1214-1231.	1.5	26
56	Adopting “lift-up” building design to improve the surrounding pedestrian-level wind environment. <i>Building and Environment</i> , 2017, 117, 154-165.	3.0	61
57	Numerical study of inter-building dispersion in residential environments: Prediction methods evaluation and infectious risk assessment. <i>Building and Environment</i> , 2017, 115, 199-214.	3.0	20
58	Effects of lift-up design on pedestrian level wind comfort in different building configurations under three wind directions. <i>Building and Environment</i> , 2017, 117, 84-99.	3.0	101
59	New criteria for assessing low wind environment at pedestrian level in Hong Kong. <i>Building and Environment</i> , 2017, 123, 23-36.	3.0	90
60	Detached eddy simulation of pedestrian-level wind and gust around an elevated building. <i>Building and Environment</i> , 2017, 125, 168-179.	3.0	59
61	Simultaneous environmental parameter monitoring and human subject survey regarding outdoor thermal comfort and its modelling. <i>Building and Environment</i> , 2017, 125, 502-514.	3.0	105
62	Towards an integrated method to assess effects of lift-up design on outdoor thermal comfort in Hong Kong. <i>Building and Environment</i> , 2017, 125, 261-272.	3.0	34
63	Operation dynamics of building with radiant cooling system based on Beijing weather. <i>Energy and Buildings</i> , 2017, 151, 344-357.	3.1	22
64	Evaluation of pedestrian wind comfort near “lift-up” buildings with different aspect ratios and central core modifications. <i>Building and Environment</i> , 2017, 124, 245-257.	3.0	58
65	Assessment on Seasonal Variations of Outdoor Thermal Comfort with On-site Monitoring in a Precinct. <i>Procedia Engineering</i> , 2017, 198, 321-331.	1.2	2
66	Pedestrian Level Turbulent Wind Flow around an Elevated Building. <i>Procedia Engineering</i> , 2017, 205, 1004-1010.	1.2	3
67	On-site evaluation of pedestrian-level air quality at a U-type street canyon in an ancient city. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 168, 322-333.	1.7	9
68	Optimizing LHS system using PCM in a tube-in-tank design for emergency cooling. <i>Energy Procedia</i> , 2017, 142, 3381-3387.	1.8	14
69	Comparisons of Respondent Thermal Perceptions in Underneath-elevated-building (UEB) Areas and Direct-radiated (DR) Areas. <i>Procedia Engineering</i> , 2017, 205, 4165-4171.	1.2	0
70	Assessment of mechanical exhaust in preventing vertical cross-household infections associated with single-sided ventilation. <i>Building and Environment</i> , 2016, 105, 307-316.	3.0	21
71	Two performance indices of TES apparatus: Comparison of MPCM slurry vs. stratified water storage tank. <i>Energy and Buildings</i> , 2016, 127, 512-520.	3.1	24
72	A review of the advance of HVAC technologies as witnessed in ENB publications in the period from 1987 to 2014. <i>Energy and Buildings</i> , 2016, 130, 33-45.	3.1	37

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73	Combining measured thermal parameters and simulated wind velocity to predict outdoor thermal comfort. <i>Building and Environment</i> , 2016, 105, 185-197.	3.0	59
74	PCM-in-water emulsion for solar thermal applications: The effects of emulsifiers and emulsification conditions on thermal performance, stability and rheology characteristics. <i>Solar Energy Materials and Solar Cells</i> , 2016, 147, 211-224.	3.0	76
75	On-site measurement of tracer gas transmission between horizontal adjacent flats in residential building and cross-infection risk assessment. <i>Building and Environment</i> , 2016, 99, 13-21.	3.0	36
76	CFD simulation of the wind environment around an isolated high-rise building: An evaluation of SRANS, LES and DES models. <i>Building and Environment</i> , 2016, 96, 91-106.	3.0	169
77	Optimal building envelope design based on simulated performance: History, current status and new potentials. <i>Energy and Buildings</i> , 2016, 117, 387-398.	3.1	85
78	Characteristics of air pollutant dispersion around a high-rise building. <i>Environmental Pollution</i> , 2015, 204, 280-288.	3.7	51
79	A new method to assess spatial variations of outdoor thermal comfort: Onsite monitoring results and implications for precinct planning. <i>Building and Environment</i> , 2015, 91, 263-270.	3.0	148
80	Application of super-insulating translucent silica aerogel glazing system on commercial building envelope of humid subtropical climates – Impact on space cooling load. <i>Energy</i> , 2015, 83, 316-325.	4.5	83
81	Conjugate heat and mass transfer in a total heat exchanger with cross-corrugated triangular ducts and one-step made asymmetric membranes. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 390-400.	2.5	35
82	Effects of geometrical parameters on the thermohydraulic characteristics of periodic cross-corrugated channels. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 542-549.	2.5	32
83	Investigation on the thermal comfort and energy efficiency of stratified air distribution systems. <i>Energy for Sustainable Development</i> , 2015, 28, 1-9.	2.0	21
84	Energy and visual performance of the silica aerogel glazing system in commercial buildings of Hong Kong. <i>Construction and Building Materials</i> , 2015, 94, 57-72.	3.2	69
85	PCM in Water Emulsions: Supercooling Reduction Effects of Nano-Additives, Viscosity Effects of Surfactants and Stability. <i>Advanced Engineering Materials</i> , 2015, 17, 181-188.	1.6	45
86	Constructal design of latent thermal energy storage with vertical spiral heaters. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 283-288.	2.5	50
87	Effect of balconies and upper-lower vents on ventilation and indoor air quality in a wind-induced, naturally ventilated building. <i>Building Services Engineering Research and Technology</i> , 2014, 35, 393-407.	0.9	21
88	Dispersion of air pollutants around buildings: A review of past studies and their methodologies. <i>Indoor and Built Environment</i> , 2014, 23, 201-224.	1.5	22
89	Phase change heat storage in an enclosure with vertical pipe in the center. <i>International Journal of Heat and Mass Transfer</i> , 2014, 72, 329-335.	2.5	52
90	Swirling-strength based large eddy simulation of turbulent flow around single square cylinder at low Reynolds numbers. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 959-978.	1.9	10

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91	Comprehensive analysis on thermal and daylighting performance of glazing and shading designs on office building envelope in cooling-dominant climates. Applied Energy, 2014, 134, 215-228.	5.1	109
92	An optimal design analysis method for heat recovery devices in building applications. Applied Energy, 2014, 129, 364-372.	5.1	21
93	The Study on Paraffin-Water Emulsion PCM with Low Supercooling Degree. Lecture Notes in Electrical Engineering, 2014, , 19-26.	0.3	2
94	Evaluation of RANS turbulence models for simulating wind-induced mean pressures and dispersions around a complex-shaped high-rise building. Building Simulation, 2013, 6, 151-164.	3.0	31
95	Numerical investigation of wind-induced airflow and interunit dispersion characteristics in multistory residential buildings. Indoor Air, 2013, 23, 417-429.	2.0	80
96	Experimental and numerical investigations on stratified air distribution systems with special configuration: Thermal comfort and energy saving. Energy and Buildings, 2013, 64, 154-161.	3.1	56
97	Study on performance of energy-efficient retrofitting measures on commercial building external walls in cooling-dominant cities. Applied Energy, 2013, 103, 97-108.	5.1	101
98	Co-occupant's exposure to exhaled pollutants with two types of personalized ventilation strategies under mixing and displacement ventilation systems. Indoor Air, 2013, 23, 162-171.	2.0	54
99	Cooling performance of nocturnal radiative cooling combined with microencapsulated phase change material (MPCM) slurry storage. Energy and Buildings, 2012, 54, 122-130.	3.1	99
100	Stratified air distribution systems in a large lecture theatre: A numerical method to optimize thermal comfort and maximize energy saving. Energy and Buildings, 2012, 55, 515-525.	3.1	72
101	A review of the application of radiant cooling & heating systems in Mainland China. Energy and Buildings, 2012, 52, 11-19.	3.1	132
102	Characteristics of physical blocking on co-occupant's exposure to respiratory droplet residuals. Journal of Central South University, 2012, 19, 645-650.	1.2	7
103	Numerical study of the lock-up phenomenon of human exhaled droplets under a displacement ventilated room. Building Simulation, 2012, 5, 51-60.	3.0	34
104	Thermal comfort models: A review and numerical investigation. Building and Environment, 2012, 47, 13-22.	3.0	186
105	Using RANS turbulence models and Lagrangian approach to predict particle deposition in turbulent channel flows. Building and Environment, 2012, 48, 206-214.	3.0	72
106	Energy and carbon emission payback analysis for energy-efficient retrofitting in buildings's Overhang shading option. Energy and Buildings, 2012, 44, 94-103.	3.1	74
107	Effective dispersion of multi-wall carbon nano-tubes in hexadecane through physiochemical modification and decrease of supercooling. Solar Energy Materials and Solar Cells, 2012, 96, 124-130.	3.0	80
108	Two Stages Exposure of Co-Occupants to Respiratory Events Indoors: Numerical Results. , 2012, , .		0

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109	Analysis of concentration fluctuations in gas dispersion around high-rise building for different incident wind directions. <i>Journal of Hazardous Materials</i> , 2011, 192, 1623-1632.	6.5	25
110	Local characteristics of cross-unit contamination around high-rise building due to wind effect: Mean concentration and infection risk assessment. <i>Journal of Hazardous Materials</i> , 2011, 192, 160-7.	6.5	22
111	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. <i>Building and Environment</i> , 2011, 46, 1600-1616.	3.0	54
112	CFD study of exhaled droplet transmission between occupants under different ventilation strategies in a typical office room. <i>Building and Environment</i> , 2011, 46, 397-408.	3.0	143
113	The assessment of the performance of balconies using computational fluid dynamics. <i>Building Services Engineering Research and Technology</i> , 2011, 32, 229-243.	0.9	29
114	The Effect of Balconies on Ventilation Performance of Low-rise Buildings. <i>Indoor and Built Environment</i> , 2011, 20, 649-660.	1.5	35
115	Effect of balconies on thermal comfort in wind-induced, naturally ventilated low-rise buildings. <i>Building Services Engineering Research and Technology</i> , 2011, 32, 277-292.	0.9	19
116	CFD Simulation of Spread Risks of Infectious Disease due to Interactive Wind and Ventilation Airflows via Window Openings in High-Rise Buildings. , 2010, 1233, 169-174.		2
117	Experimental investigation of effects of supercooling on microencapsulated phase-change material (MPCM) slurry thermal storage capacities. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1038-1048.	3.0	54
118	Investigation of indoor air pollutant dispersion and cross-contamination around a typical high-rise residential building: Wind tunnel tests. <i>Building and Environment</i> , 2010, 45, 1769-1778.	3.0	64
119	Performance of cooled-ceiling operating with MPCM slurry. <i>Energy Conversion and Management</i> , 2009, 50, 583-591.	4.4	81
120	Impact of human motion on TVOCs inhalation dose under side re-circulated ventilation. <i>Central South University</i> , 2009, 16, 599-607.	0.5	1
121	Heat transfer characteristics of microencapsulated phase change material slurry in laminar flow under constant heat flux. <i>Applied Energy</i> , 2009, 86, 2661-2670.	5.1	110
122	The airborne transmission of infection between flats in high-rise residential buildings: Particle simulation. <i>Building and Environment</i> , 2009, 44, 402-410.	3.0	76
123	The Impact of Supercooling on the Effective Cooling Storage Capacity of Phase-Change Materials in Natural Cooling Application. , 2009, , .		0
124	On-site quantification of re-entry ratio of ventilation exhausts in multi-family residential buildings and implications. <i>Indoor Air</i> , 2008, 18, 12-26.	2.0	82
125	Distribution of respiratory droplets in enclosed environments under different air distribution methods. <i>Building Simulation</i> , 2008, 1, 326-335.	3.0	78
126	Heat transfer of microencapsulated PCM slurry flow in a circular tube. <i>AIChE Journal</i> , 2008, 54, 1110-1120.	1.8	87

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127	The airborne transmission of infection between flats in high-rise residential buildings: Tracer gas simulation. <i>Building and Environment</i> , 2008, 43, 1805-1817.	3.0	143
128	An experimental study of convective heat transfer with microencapsulated phase change material suspension: Laminar flow in a circular tube under constant heat flux. <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1638-1646.	1.5	203
129	Raising evaporative cooling potentials using combined cooled ceiling and MPCM slurry storage. <i>Energy and Buildings</i> , 2008, 40, 1691-1698.	3.1	74
130	Numerical simulation of inter-flat air cross-contamination under the condition of single-sided natural ventilation. <i>Journal of Building Performance Simulation</i> , 2008, 1, 133-147.	1.0	33
131	Personalized Ventilation for Commercial Aircraft Cabins. <i>Journal of Aircraft</i> , 2008, 45, 508-512.	1.7	53
132	Investigating Indoor Air Quality and Thermal Comfort Using a Numerical Thermal Manikin. <i>Indoor and Built Environment</i> , 2007, 16, 7-17.	1.5	61
133	Personalized Ventilation for Commercial Aircraft Cabins. , 2007, , .		2
134	Experimental study on a chair-based personalized ventilation system. <i>Building and Environment</i> , 2007, 42, 913-925.	3.0	95
135	Flow and heat transfer behaviors of phase change material slurries in a horizontal circular tube. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 2480-2491.	2.5	139
136	A numerical simulation of wing walls using computational fluid dynamics. <i>Energy and Buildings</i> , 2007, 39, 995-1002.	3.1	64
137	Role of ventilation in airborne transmission of infectious agents in the built environment ? a multidisciplinary systematic review. <i>Indoor Air</i> , 2007, 17, 2-18.	2.0	822
138	Control of volatile organic compounds indoors”Development of an integrated mass-transfer-based model and its application. <i>Atmospheric Environment</i> , 2007, 41, 2344-2354.	1.9	30
139	Modeling particle dispersion and deposition in indoor environments. <i>Atmospheric Environment</i> , 2007, 41, 3862-3876.	1.9	219
140	Numerical Simulation of Heat and Moisture Transfer in Porous Walls with Microencapsulated PCM. <i>Studies in Computational Intelligence</i> , 2007, , 255-263.	0.7	0
141	Numerical procedure for predicting annual energy consumption of the under-floor air distribution system. <i>Energy and Buildings</i> , 2006, 38, 641-647.	3.1	48
142	Transient CFD simulation of the respiration process and inter-person exposure assessment. <i>Building and Environment</i> , 2006, 41, 1214-1222.	3.0	131
143	Determining diffusion and partition coefficients of VOCs in cement using one FLEC. <i>Building and Environment</i> , 2006, 41, 1148-1160.	3.0	17
144	A physically-based model for prediction of VOCs emissions from paint applied to an absorptive substrate. <i>Building and Environment</i> , 2006, 41, 1317-1325.	3.0	42

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145	Numerical study of three-dimensional flows around two identical square cylinders in staggered arrangements. <i>Physics of Fluids</i> , 2006, 18, 044106.	1.6	23
146	Coupling CFD and Human Body Thermoregulation Model for the Assessment of Personalized Ventilation. <i>HVAC and R Research</i> , 2006, 12, 497-518.	0.9	44
147	Numerical Study of Convective Heat Transfer from Two Identical Square Cylinders Submerged in a Uniform Cross Flow. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006, 50, 21-44.	1.2	14
148	Methodology for determination of radon-222 production rate of residential building and experimental verification. <i>Radiation Measurements</i> , 2005, 40, 110-117.	0.7	6
149	An inverse approach for estimating the initial distribution of volatile organic compounds in dry building material. <i>Atmospheric Environment</i> , 2005, 39, 1447-1455.	1.9	25
150	An inverse technique to determine volatile organic compounds diffusion and partition coefficients in dry building material. <i>Heat and Mass Transfer</i> , 2005, 41, 834-842.	1.2	13
151	Simultaneous estimation of VOCs diffusion and partition coefficients in building materials via inverse analysis. <i>Building and Environment</i> , 2005, 40, 1366-1374.	3.0	38
152	Modeling the Performance of Personalized Ventilation under Different Conditions of Room Air and Personalized Air. <i>HVAC and R Research</i> , 2005, 11, 587-602.	0.9	16
153	Determination of Ozone Emission from a Domestic Air Cleaner and Decay Parameters using Environmental Chamber Tests. <i>Indoor and Built Environment</i> , 2005, 14, 29-37.	1.5	26
154	CFD Study of the Thermal Environment around a Human Body: A Review. <i>Indoor and Built Environment</i> , 2005, 14, 5-16.	1.5	113
155	NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION OF THE SWIRLING TURBULENT AIR FLOW AND MIXING PROCESSES. <i>Numerical Heat Transfer; Part A: Applications</i> , 2004, 46, 571-586.	1.2	11
156	Moisture Generation through Chinese Household Activities. <i>Indoor and Built Environment</i> , 2004, 13, 115-131.	1.5	25
157	Some significant environmental issues in high-rise residential building design in urban areas. <i>Energy and Buildings</i> , 2004, 36, 1259-1263.	3.1	76
158	Determination of water vapor diffusion and partition coefficients in cement using one FLEC. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 2061-2072.	2.5	20
159	Modeling VOCs emissions in a room with a single-zone multi-component multi-layer technique. <i>Building and Environment</i> , 2004, 39, 523-531.	3.0	71
160	CFD study on micro-environment around human body and personalized ventilation. <i>Building and Environment</i> , 2004, 39, 795-805.	3.0	151
161	NUMERICAL EVALUATION OF WEAKLY TURBULENT FLOW PATTERNS OF NATURAL CONVECTION IN A SQUARE ENCLOSURE WITH DIFFERENTIALLY HEATED SIDE WALLS. <i>Numerical Heat Transfer; Part A: Applications</i> , 2004, 45, 551-568.	1.2	19
162	Laminar fluid flow and mass transfer in a standard field and laboratory emission cell. <i>International Journal of Heat and Mass Transfer</i> , 2003, 46, 91-100.	2.5	47

#	ARTICLE	IF	CITATIONS
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