

Daniel Wei

List of Publications by Year in descending order

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20
papers

538
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

365
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerodynamic shape optimization of civil structures: A CFD-enabled Kriging-based approach. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 144, 154-164.	3.9	101
2	Evaluating the commercial airliner cabin environment with different air distribution systems. <i>Indoor Air</i> , 2019, 29, 840-853.	4.3	75
3	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.	2.0	45
4	Influencing factors in the simulation of airflow and particle transportation in aircraft cabins by CFD. <i>Building and Environment</i> , 2022, 207, 108413.	6.9	41
5	An innovative personalized displacement ventilation system for airliner cabins. <i>Building and Environment</i> , 2018, 137, 41-50.	6.9	37
6	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.	6.9	34
7	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> , 2022, 208, 108590.	6.9	30
8	Experimental investigation of air distribution in an airliner cabin mockup with displacement ventilation. <i>Building and Environment</i> , 2021, 191, 107577.	6.9	27
9	Modeling particle deposition on the surfaces around a multi-slot diffuser. <i>Building and Environment</i> , 2016, 107, 79-89.	6.9	25
10	Experimental study of particle deposition in the environmental control systems of commercial airliners. <i>Building and Environment</i> , 2016, 96, 62-71.	6.9	22
11	In-flight monitoring of particle deposition in the environmental control systems of commercial airliners in China. <i>Atmospheric Environment</i> , 2017, 154, 118-128.	4.1	21
12	Experimental measurements and large eddy simulation of particle deposition distribution around a multi-slot diffuser. <i>Building and Environment</i> , 2019, 150, 156-163.	6.9	20
13	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.	2.0	14
14	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.	4.3	12
15	Influence of surface roughness on particle deposition distribution around multi-slot cabin supply air nozzles of commercial airplanes. <i>Building and Environment</i> , 2020, 176, 106870.	6.9	12
16	A structured mesh boundary motion approach for simulating wind effects on bluff bodies with changing boundaries. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 126, 118-131.	3.9	11
17	Computer-aided design of a new cabin supply air nozzle in commercial airplanes for reducing particle deposition. <i>Building and Environment</i> , 2020, 186, 107324.	6.9	5
18	Investigation of pressure drop in flexible ventilation ducts under different compression ratios and bending angles. <i>Building Simulation</i> , 2021, 14, 1251-1261.	5.6	5

#	ARTICLE	IF	CITATIONS
19	Study of particle deposition on the complex components of environmental control systems. International Journal of Heat and Mass Transfer, 2019, 135, 1218-1232.	4.8	1
20	Turbulence model verification and validation in an open source environment. Progress in Computational Fluid Dynamics, 2018, 18, 69.	0.2	0