

Xingwang Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6699853/publications.pdf>

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162
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#	ARTICLE	IF	CITATIONS
1	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.	5.1	78
2	Airborne transmission of COVID-19 virus in enclosed spaces: An overview of research methods. <i>Indoor Air</i> , 2022, 32, .	2.0	57
3	An innovative personalized displacement ventilation system for airliner cabins. <i>Building and Environment</i> , 2018, 137, 41-50.	3.0	37
4	Comparison of STAR-CCM+ and ANSYS Fluent for simulating indoor airflows. <i>Building Simulation</i> , 2018, 11, 165-174.	3.0	33
5	Evaluation of airborne particle exposure for riding elevators. <i>Building and Environment</i> , 2022, 207, 108543.	3.0	31
6	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.	3.0	27
7	Inverse design of indoor environment using an adjoint κ - ϵ RNG turbulence model. <i>Indoor Air</i> , 2019, 29, 320-330.	2.0	21
8	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.	1.2	17
9	Inverse design of an indoor environment using a filter-based topology method with experimental verification. <i>Indoor Air</i> , 2020, 30, 1039-1051.	2.0	11
10	Inverse regulation of the indoor environment: An overview of the adjoint method. <i>Energy and Buildings</i> , 2022, 259, 111907.	3.1	11
11	Inverse design of indoor radiant terminal using the particle swarm optimization method with topology concept. <i>Building and Environment</i> , 2021, 204, 108117.	3.0	8
12	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.	2.0	7
13	A novel drift eliminator enhanced by Voronoi-based porous foam applied to liquid desiccant system: Separation performance and preliminary design. <i>Building and Environment</i> , 2022, 216, 108996.	3.0	7