Tsubasa Okaze

List of Publications by Year
in descending order

31 papers	577 citations	623734 14 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	261 citing authors

#	Article	IF	Citations
1	CFD modeling of snowdrift around a building: An overview of models and evaluation of a new approach. Building and Environment, 2011, 46, 899-910.	6.9	105
2	Large-eddy simulation of flow around an isolated building: A step-by-step analysis of influencing factors on turbulent statistics. Building and Environment, 2021, 202, 108021.	6.9	52
3	Comparison of hexahedral, tetrahedral and polyhedral cells for reproducing the wind field around an isolated building by LES. Building and Environment, 2021, 195, 107717.	6.9	50
4	Development of a system for predicting snow distribution in built-up environments: Combining a mesoscale meteorological model and a CFD model. Journal of Wind Engineering and Industrial Aerodynamics, 2011, 99, 460-468.	3.9	48
5	Wind tunnel investigation of drifting snow development in a boundary layer. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 104-106, 532-539.	3.9	47
6	Effect of the numerical viscosity on reproduction of mean and turbulent flow fields in the case of a 1:1:2 single block model. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 191, 279-296.	3.9	43
7	Wind tunnel experiment and CFD analysis of sand erosion/deposition due to wind around an obstacle. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 182, 262-271.	3.9	35
8	Cholesky decomposition–based generation of artificial inflow turbulence including scalar fluctuation. Computers and Fluids, 2017, 159, 23-32.	2.5	24
9	Development of a large-eddy simulation coupled with Lagrangian snow transport model. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 183, 35-43.	3.9	24
10	Influence of urban configuration on the structure of kinetic energy transport and the energy dissipation rate. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 183, 198-213.	3.9	23
11	Statistical analysis of low-occurrence strong wind speeds at the pedestrian level around a simplified building based on the Weibull distribution. Building and Environment, 2022, 209, 108644.	6.9	22
12	Evaluation of exceeding wind speed at a pedestrian level around a 1:1:2 isolated block model. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 201, 104193.	3.9	21
13	Development of a new k–ε model to reproduce the aerodynamic effects of snow particles on a flow field. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 144, 118-124.	3.9	18
14	Evaluation of turbulent length scale within urban canopy layer based on LES data. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 144, 79-83.	3.9	16
15	Analysis of climatic factors leading to future summer heatstroke risk changes in Tokyo and Sendai based on dynamical downscaling of pseudo global warming data using WRF. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 183, 187-197.	3.9	14
16	PIV measurements of saltating snow particle velocity in a boundary layer developed in a wind tunnel. Journal of Visualization, 2013, 16, 95-98.	1.8	10
17	Heatstroke Risk Predictions for Current and Near-Future Summers in Sendai, Japan, Based on Mesoscale WRF Simulations. Sustainability, 2017, 9, 1467.	3.2	8
18	DEVELOPMENT OF NEW SNOWDRIFT MODEL BASED ON TWO TRANSPORT EQUATIONS OF DRIFTING SNOW DENSITY. Journal of Environmental Engineering (Japan), 2013, 78, 149-156.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Development of a snowdrift model with the lattice Boltzmann method. Progress in Earth and Planetary Science, 2021, 8, .	3.0	3
20	BASIC INVESTIGATION OF MODELING FOR EROSION AND ACCUMULATION ON SNOW SURFACE. Journal of Environmental Engineering (Japan), 2009, 74, 1083-1089.	0.4	2
21	13th International Conference on Wind Engineering. Wind Engineers JAWE, 2011, 36, 406-428.	0.1	2
22	VALIDATION OF PREDICTION METHOD OF ROOF SNOW DEPTH FOR AN ISOLATED GABLE-ROOF BUILDING. Journal of Structural and Construction Engineering, 2016, 81, 1051-1059.	0.5	2
23	Elucidations of vertical structures of blowing snow with snowfall. Journal of the Japanese Society of Snow and Ice, 2021, 83, 259-273.	0.1	1
24	INFLUENCE OF VARIOUS COMPUTATIONAL CONDITIONS IN RANS MODEL ON THE PREDICTION ACCURACY OF CONCENTRATION DISTRIBUTIONS. AIJ Journal of Technology and Design, 2016, 22, 609-614.	0.3	0
25	æ—¥æœ¬é¢¨å·¥å¦ä¼šãƒ™ã¹ãƒˆãƒšãƒ¼ãƒ‡ãƒ¼è³žã'å—è³žã—ã¦. Wind Engineers JAWE, 2012, 37, 332-332.	0.1	0
26	Hazards Caused by Drifting Snow due to Wind in Living Environment : Prediction of Snowdrift in Built-up Environment. Journal of the Society of Mechanical Engineers, 2013, 116, 470-473.	0.0	0
27	6th International Symposium on Computational Wind Engineering. Wind Engineers JAWE, 2014, 39, 365-379.	0.1	0
28	æ—¥æœ¬é¢¨å·¥å¦ä¼šè³žï¼ˆç"ç©¶å¥"åŠ±è³žï¼‰ã'å—è³žã—ã¦. Wind Engineers JAWE, 2015, 40, 423-423.	0.1	0
29	STUDY ON APPLICABILITY OF WASTEWATER MANAGEMENT BY CONSTRUCTED WETLAND WITH VEGETATION AND ECOLOGICAL LIFESTYLE IN REMOTE ISLAND : CASE STUDY ON OGI ISLAND IN SETOUCHI. AIJ Journal of Technology and Design, 2019, 25, 747-752.	0.3	0
30	EVALUATION OF PEDESTRIAN WIND ENVIRONMENT BASED ON FIELD OBSERVATION WITH SMARTPHONE ANEMOMETER IN OGI ISLAND. AIJ Journal of Technology and Design, 2019, 25, 765-769.	0.3	0
31	Relation between mean and instantaneous values of snow-drift flux under drifting snow. Journal of the Japanese Society of Snow and Ice, 2022, 84, 213-227.	0.1	0