

Chao Yuan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/16586/chao-yuan-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

36

papers

1,825

citations

18

h-index

37

g-index

37

ext. papers

2,248

ext. citations

5.6

avg, IF

5.3

L-index

#	Paper	IF	Citations
36	A study on the cooling effects of greening in a high-density city: An experience from Hong Kong. <i>Building and Environment</i> , 2012 , 47, 256-271	6.5	524
35	Improving the wind environment in high-density cities by understanding urban morphology and surface roughness: A study in Hong Kong. <i>Landscape and Urban Planning</i> , 2011 , 101, 59-74	7.7	276
34	Improving air quality in high-density cities by understanding the relationship between air pollutant dispersion and urban morphologies. <i>Building and Environment</i> , 2014 , 71, 245-258	6.5	159
33	A study on the impact of shadow-cast and tree species on in-canyon and neighborhood thermal comfort. <i>Building and Environment</i> , 2017 , 115, 1-17	6.5	156
32	Building porosity for better urban ventilation in high-density cities - A computational parametric study. <i>Building and Environment</i> , 2012 , 50, 176-189	6.5	140
31	Regulation of outdoor thermal comfort by trees in Hong Kong. <i>Sustainable Cities and Society</i> , 2017 , 31, 12-25	10.1	120
30	GIS-based surface roughness evaluation in the urban planning system to improve the wind environment A study in Wuhan, China. <i>Urban Climate</i> , 2014 , 10, 585-593	6.8	50
29	Mitigating urban heat island effects in high-density cities based on sky view factor and urban morphological understanding: a study of Hong Kong. <i>Architectural Science Review</i> , 2011 , 54, 305-315	2.6	43
28	Mitigating intensity of urban heat island by better understanding on urban morphology and anthropogenic heat dispersion. <i>Building and Environment</i> , 2020 , 176, 106876	6.5	40
27	A semi-empirical model for the effect of trees on the urban wind environment. <i>Landscape and Urban Planning</i> , 2017 , 168, 84-93	7.7	36
26	Large-eddy simulations of ventilation for thermal comfort A parametric study of generic urban configurations with perpendicular approaching winds. <i>Urban Climate</i> , 2017 , 20, 202-227	6.8	33
25	Effects of urban morphology on anthropogenic heat dispersion in tropical high-density residential areas. <i>Energy and Buildings</i> , 2019 , 186, 368-383	7	33
24	Multilayer urban canopy modelling and mapping for traffic pollutant dispersion at high density urban areas. <i>Science of the Total Environment</i> , 2019 , 647, 255-267	10.2	24
23	An Ecological Study of the Association between Area-Level Green Space and Adult Mortality in Hong Kong. <i>Climate</i> , 2017 , 5, 55	3.1	23
22	Practical application of CFD on environmentally sensitive architectural design at high density cities: A case study in Hong Kong. <i>Urban Climate</i> , 2014 , 8, 57-77	6.8	22
21	Relationship between pedestrian-level outdoor thermal comfort and building morphology in a high-density city. <i>Science of the Total Environment</i> , 2020 , 708, 134516	10.2	22
20	A modelling-mapping approach for fine-scale assessment of pedestrian-level wind in high-density cities. <i>Building and Environment</i> , 2016 , 97, 152-165	6.5	21

19	The influence of advertisement boards, street and source layouts on CO dispersion and building intake fraction in three-dimensional urban-like models. <i>Building and Environment</i> , 2019 , 150, 297-321	6.5	20
18	Design Optimization of Productive Façades: Integrating Photovoltaic and Farming Systems at the Tropical Technologies Laboratory. <i>Sustainability</i> , 2018 , 10, 3762	3.6	16
17	Effects of vertical farming on natural ventilation of residential buildings. <i>Energy and Buildings</i> , 2019 , 185, 316-325	7	13
16	Dry mist systems and its impact on thermal comfort for the tropics. <i>Sustainable Cities and Society</i> , 2019 , 51, 101727	10.1	11
15	Analytical and numerical study on transient urban street air warming induced by anthropogenic heat emission. <i>Energy and Buildings</i> , 2021 , 231, 110613	7	11
14	How does weather and climate affect pedestrian walking speed during cool and cold seasons in severely cold areas?. <i>Building and Environment</i> , 2020 , 175, 106811	6.5	8
13	Defining the environmental performance of neighbourhoods in high-density cities. <i>Building Research and Information</i> , 2018 , 46, 540-551	4.3	8
12	Effects of tree plantings and aspect ratios on pedestrian visual and thermal comfort using scaled outdoor experiments. <i>Science of the Total Environment</i> , 2021 , 801, 149527	10.2	8
11	An Investigation on Ventilation of Building-Integrated Photovoltaics System Using Numerical Modeling. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020 , 142,	2.3	3
10	Three-dimensional simulation of building thermal plumes merging in calm conditions: Turbulence model evaluation and turbulence structure analysis. <i>Building and Environment</i> , 2021 , 203, 108097	6.5	3
9	Urban buoyancy-driven air flow and modelling method: A critical review. <i>Building and Environment</i> , 2022 , 210, 108708	6.5	1
8	Policies and technicalities providing natural ventilation to domestic spaces for high-density tropical living in Hong Kong. <i>Architectural Science Review</i> , 2012 , 55, 61-70	2.6	0
7	Post-Occupancy Evaluation of the Biophilic Design in the Workplace for Health and Wellbeing. <i>Buildings</i> , 2022 , 12, 417	3.2	0
6	Impact of Anthropogenic Heat from Air-Conditioning on Air Temperature of Naturally Ventilated Apartments at High-Density Tropical Cities. <i>Energy and Buildings</i> , 2022 , 112171	7	0
5	Spatial analysis of public residential housing's electricity consumption in relation to urban landscape and building characteristics: A case study in Singapore. <i>Energy and Environment</i> , 2021 , 32(4), 0958305X2110560	3.4	0
4	Vital Signs Revisited in the Tropics: Through the nus-cdl Tropical Technologies Laboratory. <i>Strategies for Sustainability</i> , 2021 , 95-110	0.8	
3	A Semi-Empirical Model for Urban Trees Effects on the Wind Environment. <i>SpringerBriefs in Architectural Design and Technology</i> , 2018 , 141-161	0.1	
2	Semiempirical Model for Fine-Scale Assessment of Pedestrian-Level Wind in High-Density Cities. <i>SpringerBriefs in Architectural Design and Technology</i> , 2018 , 55-75	0.1	

1 High-Density Planning and Challenges. *SpringerBriefs in Architectural Design and Technology*, **2018**, 1-15 0.1