

Francisco Salamanca Palou

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,251
citations

394286

19
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

2701
citing authors

#	ARTICLE	IF	CITATIONS
1	The integrated WRF/urban modelling system: development, evaluation, and applications to urban environmental problems. <i>International Journal of Climatology</i> , 2011, 31, 273-288.	1.5	875
2	The International Urban Energy Balance Models Comparison Project: First Results from Phase 1. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1268-1292.	0.6	397
3	A new building energy model coupled with an urban canopy parameterization for urban climate simulationsâ€™ part I. formulation, verification, and sensitivity analysis of the model. <i>Theoretical and Applied Climatology</i> , 2010, 99, 331-344.	1.3	295
4	Initial results from Phase 2 of the international urban energy balance model comparison. <i>International Journal of Climatology</i> , 2011, 31, 244-272.	1.5	284
5	A Study of the Urban Boundary Layer Using Different Urban Parameterizations and High-Resolution Urban Canopy Parameters with WRF. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 1107-1128.	0.6	241
6	Anthropogenic heating of the urban environment due to air conditioning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5949-5965.	1.2	198
7	A new Building Energy Model coupled with an Urban Canopy Parameterization for urban climate simulationsâ€™ part II. Validation with one dimension off-line simulations. <i>Theoretical and Applied Climatology</i> , 2010, 99, 345-356.	1.3	164
8	A numerical study of the Urban Heat Island over Madrid during the DESIREX (2008) campaign with WRF and an evaluation of simple mitigation strategies. <i>International Journal of Climatology</i> , 2012, 32, 2372-2386.	1.5	128
9	A multi-method and multi-scale approach for estimating city-wide anthropogenic heat fluxes. <i>Atmospheric Environment</i> , 2014, 99, 64-76.	1.9	97
10	Citywide Impacts of Cool Roof and Rooftop Solar Photovoltaic Deployment on Near-Surface Air Temperature and Cooling Energy Demand. <i>Boundary-Layer Meteorology</i> , 2016, 161, 203-221.	1.2	90
11	Assessing summertime urban air conditioning consumption in a semiarid environment. <i>Environmental Research Letters</i> , 2013, 8, 034022.	2.2	68
12	Evaluation of the WRFâ€™Urban Modeling System Coupled to Noah and Noahâ€™MP Land Surface Models Over a Semiarid Urban Environment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2387-2408.	1.2	68
13	Interaction of urban heat islands and heat waves under current and future climate conditions and their mitigation using green and cool roofs in New York City and Phoenix, Arizona. <i>Environmental Research Letters</i> , 2019, 14, 034002.	2.2	61
14	Observations and WRF simulations of fog events at the Spanish Northern Plateau. <i>Advances in Science and Research</i> , 2012, 8, 11-18.	1.0	53
15	Reducing a semiarid cityâ€™s peak electrical demand using distributed cold thermal energy storage. <i>Applied Energy</i> , 2014, 134, 35-44.	5.1	45
16	On the Impact of Anthropogenic Heat Fluxes on the Urban Boundary Layer: A Two-Dimensional Numerical Study. <i>Boundary-Layer Meteorology</i> , 2010, 136, 105-127.	1.2	44
17	Impacts of projected urban expansion and global warming on cooling energy demand over a semiarid region. <i>Atmospheric Science Letters</i> , 2017, 18, 419-426.	0.8	39
18	Climate change and growing megacities: hazards and vulnerability. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2018, 171, 314-326.	0.4	23

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19	Summertime Response of Temperature and Cooling Energy Demand to Urban Expansion in a Semiarid Environment. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 1756-1772.	0.6	21
20	Effects of using different urban parametrization schemes and land-cover datasets on the accuracy of WRF model over the City of Ottawa. <i>Urban Climate</i> , 2021, 35, 100737.	2.4	15
21	On the representation of urban heterogeneities in mesoscale models. <i>Environmental Fluid Mechanics</i> , 2015, 15, 305-328.	0.7	13
22	On the Derivation of Material Thermal Properties Representative of Heterogeneous Urban Neighborhoods. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1725-1732.	0.6	9
23	Top-of-atmosphere radiative cooling with white roofs: experimental verification and model-based evaluation. <i>Environmental Research Letters</i> , 2012, 7, 044007.	2.2	9
24	Summer- and Wintertime Variations of the Surface and Near-Surface Urban Heat Island in a Semiarid Environment. <i>Weather and Forecasting</i> , 2019, 34, 1849-1865.	0.5	8
25	Evening transitions of the atmospheric boundary layer: characterization, case studies and WRF simulations. <i>Advances in Science and Research</i> , 2012, 8, 39-44.	1.0	6