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List of Publications by Year in Descending Order

30 papers	3,044 citations	18 h-index	30 g-index
30 ext. papers	3,354 ext. citations	5.3 avg, IF	5.55 L-index

#	Paper	IF	Citations
30	Development of an Urban Heat Mitigation Plan for the Greater Sacramento Valley, California, a Csa Koppen Climate Type. *Sustainability*, **2021**, 13, 9709	3.6	1
29	Air-Temperature Response to Neighborhood-Scale Variations in Albedo and Canopy Cover in the Real World: Fine-Resolution Meteorological Modeling and Mobile Temperature Observations in the Los Angeles Climate Archipelago. *Climate*, **2018**, 6, 53	3.1	10
28	PROGRESS IN URBAN GREENERY MITIGATION SCIENCE ASSESSMENT METHODOLOGIES ADVANCED TECHNOLOGIES AND IMPACT ON CITIES. *Journal of Civil Engineering and Management*, **2018**, 24, 638-671	3	71
27	Observational Evidence of Neighborhood Scale Reductions in Air Temperature Associated with Increases in Roof Albedo. *Climate*, **2018**, 6, 98	3.1	11
26	Characterization of Urban Heat and Exacerbation: Development of a Heat Island Index for California. *Climate*, **2017**, 5, 59	3.1	16
25	An urban-forest control measure for ozone in the Sacramento, CA Federal Non-Attainment Area (SFNA). *Sustainable Cities and Society*, **2016**, 21, 51-65	10.1	11
24	Meteorological, emissions and air-quality modeling of heat-island mitigation: recent findings for California, USA. *International Journal of Low-Carbon Technologies*, **2015**, 10, 3-14	2.8	14
23	Cool Cities: Counteracting Potential Climate Change and its Health Impacts. *Current Climate Change Reports*, **2015**, 1, 163-175	9	12
22	Meteorological, air-quality, and emission-equivalence impacts of urban heat island control in California. *Sustainable Cities and Society*, **2015**, 19, 207-221	10.1	26
21	The potential for air-temperature impact from large-scale deployment of solar photovoltaic arrays in urban areas. *Solar Energy*, **2013**, 91, 358-367	6.8	54
20	The integrated WRF/urban modelling system: development, evaluation, and applications to urban environmental problems. *International Journal of Climatology*, **2011**, 31, 273-288	3.5	681
19	Evaluating the Effects of Radiative Forcing Feedback in Modelling Urban Ozone Air Quality in Portland, Oregon: Two-Way Coupled MM5 CMAQ Numerical Model Simulations. *Boundary-Layer Meteorology*, **2010**, 137, 291-305	3.4	10
18	National Urban Database and Access Portal Tool. *Bulletin of the American Meteorological Society*, **2009**, 90, 1157-1168	6.1	100
17	Meso-urban meteorological and photochemical modeling of heat island mitigation. *Atmospheric Environment*, **2008**, 42, 8795-8809	5.3	108
16	Episodic Performance and Sensitivity of the Urbanized MM5 (uMM5) to Perturbations in Surface Properties in Houston Texas. *Boundary-Layer Meteorology*, **2008**, 127, 193-218	3.4	45
15	Urban Surface Modification as a Potential Ozone Air-quality Improvement Strategy in California: A Mesoscale Modelling Study. *Boundary-Layer Meteorology*, **2008**, 127, 219-239	3.4	78
14	Heat Islands and Energy **2004**, 133-143		2

List of Publications

13	Analyzing the land cover of an urban environment using high-resolution orthophotos. *Landscape and Urban Planning*, **2003**, 63, 1-14	7.7	153
12	Modifying a Mesoscale Meteorological Model to Better Incorporate Urban Heat Storage: A Bulk-Parameterization Approach. *Journal of Applied Meteorology and Climatology*, **1999**, 38, 466-473		79
11	Impacts of Lowered Urban Air Temperatures on Precursor Emission and Ozone Air Quality. *Journal of the Air and Waste Management Association*, **1998**, 48, 860-865	2.4	16
10	Mesoscale meteorological and air quality impacts of increased urban albedo and vegetation. *Energy and Buildings*, **1997**, 25, 169-177	7	63
9	Modeling the impacts of large-scale albedo changes on ozone air quality in the South Coast Air Basin. *Atmospheric Environment*, **1997**, 31, 1667-1676	5.3	105
8	Urban climates and heat islands: albedo, evapotranspiration, and anthropogenic heat. *Energy and Buildings*, **1997**, 25, 99-103	7	885
7	Modeling impacts of increased urban vegetation on ozone air quality in the South Coast Air Basin. *Atmospheric Environment*, **1996**, 30, 3423-3430	5.3	129
6	The impact of trees and white surfaces on residential heating and cooling energy use in four Canadian cities. *Energy*, **1992**, 17, 141-149	7.9	104
5	Residential cooling loads and the urban heat island□he effects of albedo. *Building and Environment*, **1988**, 23, 271-283	6.5	189
4	Characterizing the Fabric of the Urban Environment: A Case Study of Sacramento, California		22
3	Potential impacts of climate change on tropospheric ozone in California: a preliminary episodic modeling assessment of the Los Angeles basin and the Sacramento valley		7
2	Meteorological and air quality impacts of increased urban albedo and vegetative cover in the Greater Toronto Area, Canada		8
1	Characterizing the fabric of the urban environment: A case study of Greater Houston, Texas		34