

Prathap Ramamurthy

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

776
citations

516710

16
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable sensing techniques to understand pedestrian-level outdoor microclimate affecting heat related risk in urban parks. <i>Solar Energy</i> , 2022, 242, 397-412.	6.1	9
2	A novel model to estimate sensible heat fluxes in urban areas using satellite-derived data. <i>Remote Sensing of Environment</i> , 2022, 270, 112880.	11.0	7
3	Estimating heat storage in urban areas using multispectral satellite data and machine learning. <i>Remote Sensing of Environment</i> , 2021, 252, 112125.	11.0	22
4	Impacts of Hurricane Maria on Land and Convection Modification Over Puerto Rico. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032493.	3.3	5
5	Scale-dependent response of the urban heat island to the European heatwave of 2018. <i>Environmental Research Letters</i> , 2021, 16, 104021.	5.2	12
6	Spatiotemporal Variability of Heat Storage in Major U.S. Cities—A Satellite-Based Analysis. <i>Remote Sensing</i> , 2021, 13, 59.	4.0	4
7	Urban air temperature model using GOES-16 LST and a diurnal regressive neural network algorithm. <i>Remote Sensing of Environment</i> , 2020, 237, 111495.	11.0	30
8	On the Assessment of a Cooling Tower Scheme for High-Resolution Numerical Weather Modeling for Urban Areas. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 1399-1415.	1.5	6
9	High-resolution projections of extreme heat in New York City. <i>International Journal of Climatology</i> , 2019, 39, 4721-4735.	3.5	17
10	The Harlem Heat Project: A Unique Media—Community Collaboration to Study Indoor Heat Waves. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 2491-2506.	3.3	22
11	Thermal Structure of a Coastal—Urban Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2018, 169, 151-161.	2.3	21
12	High-resolution simulation of heatwave events in New York City. <i>Theoretical and Applied Climatology</i> , 2017, 128, 89-102.	2.8	64
13	Surface heat assessment for developed environments: Probabilistic urban temperature modeling. <i>Computers, Environment and Urban Systems</i> , 2017, 66, 53-64.	7.1	14
14	Spatiotemporal variability in building energy use in New York City. <i>Energy</i> , 2017, 141, 1393-1401.	8.8	22
15	The Convection, Aerosol, and Synoptic-Effects in the Tropics (CAST) Experiment: Building an Understanding of Multiscale Impacts on Caribbean Weather via Field Campaigns. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1593-1600.	3.3	8
16	Impact of heatwave on a megacity: an observational analysis of New York City during July 2016. <i>Environmental Research Letters</i> , 2017, 12, 054011.	5.2	64
17	Heatwaves and urban heat islands: A comparative analysis of multiple cities. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 168-178.	3.3	136
18	On the correlation of water vapor and CO ₂ : Application to flux partitioning of evapotranspiration. <i>Water Resources Research</i> , 2016, 52, 9452-9469.	4.2	20

#	ARTICLE	IF	CITATIONS
19	Inter-annual variability in urban heat island intensity over 10 major cities in the United States. <i>Sustainable Cities and Society</i> , 2016, 26, 65-75.	10.4	47
20	Turbulent Transport of Carbon Dioxide over a Highly Vegetated Suburban Neighbourhood. <i>Boundary-Layer Meteorology</i> , 2015, 157, 461-479.	2.3	9
21	The joint influence of albedo and insulation on roof performance: A modeling study. <i>Energy and Buildings</i> , 2015, 102, 317-327.	6.7	19
22	The joint influence of albedo and insulation on roof performance: An observational study. <i>Energy and Buildings</i> , 2015, 93, 249-258.	6.7	36
23	Influence of Subfacet Heterogeneity and Material Properties on the Urban Surface Energy Budget. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2114-2129.	1.5	45
24	Contribution of impervious surfaces to urban evaporation. <i>Water Resources Research</i> , 2014, 50, 2889-2902.	4.2	86
25	Toward understanding the behavior of carbon dioxide and surface energy fluxes in the urbanized semi-arid Salt Lake Valley, Utah, USA. <i>Atmospheric Environment</i> , 2011, 45, 73-84.	4.1	51