

Serena Falasca

List of Publications by Year in descending order

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16
papers

458
citations

759055

12
h-index

940416

16
g-index

16
all docs

16
docs citations

16
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy demands of buildings in the framework of climate change: An investigation across Europe. <i>Sustainable Cities and Society</i> , 2020, 60, 102213.	5.1	94
2	High albedo materials to counteract heat waves in cities: An assessment of meteorology, buildings energy needs and pedestrian thermal comfort. <i>Building and Environment</i> , 2019, 163, 106242.	3.0	86
3	Influence of Input Climatic Data on Simulations of Annual Energy Needs of a Building: EnergyPlus and WRF Modeling for a Case Study in Rome (Italy). <i>Energies</i> , 2018, 11, 2835.	1.6	53
4	High-resolution air quality modeling: Sensitivity tests to horizontal resolution and urban canopy with WRF-CHIMERE. <i>Atmospheric Environment</i> , 2018, 187, 241-254.	1.9	29
5	Estimating building cooling energy demand through the Cooling Degree Hours in a changing climate: A modeling study. <i>Sustainable Cities and Society</i> , 2022, 76, 103518.	5.1	28
6	Sensitivity of heating performance of an energy self-sufficient building to climate zone, climate change and HVAC system solutions. <i>Sustainable Cities and Society</i> , 2020, 61, 102300.	5.1	26
7	Defining ecological regions in Italy based on a multivariate clustering approach: A first step towards a targeted vector borne disease surveillance. <i>PLoS ONE</i> , 2019, 14, e0219072.	1.1	21
8	Numerical Study of the Daytime Planetary Boundary Layer over an Idealized Urban Area: Influence of Surface Properties, Anthropogenic Heat Flux, and Geostrophic Wind Intensity. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 1021-1039.	0.6	18
9	Impact of Highly Reflective Materials on Meteorology, PM10 and Ozone in Urban Areas: A Modeling Study with WRF-CHIMERE at High Resolution over Milan (Italy). <i>Urban Science</i> , 2018, 2, 18.	1.1	16
10	Outdoor thermal perception and comfort conditions in the Köppen-Geiger climate category BSk. One-year field survey and measurement campaign in Konya, Turkey. <i>Science of the Total Environment</i> , 2020, 738, 140295.	3.9	16
11	Resilience of a Building to Future Climate Conditions in Three European Cities. <i>Energies</i> , 2019, 12, 4506.	1.6	15
12	Sensitivity of near-surface meteorology to PBL schemes in WRF simulations in a port-industrial area with complex terrain. <i>Atmospheric Research</i> , 2021, 264, 105824.	1.8	15
13	Laboratory simulations of an urban heat island in a stratified atmospheric boundary layer. <i>Journal of Visualization</i> , 2013, 16, 39-45.	1.1	14
14	Numerical and Experimental Simulations of Local Winds. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2012, , 199-218.	0.1	12
15	On the association between high outdoor thermo-hygrometric comfort index and severe ground-level ozone: A first investigation. <i>Environmental Research</i> , 2021, 195, 110306.	3.7	8
16	On the mitigation potential of higher urban albedo in a temperate oceanic metropolis. <i>Sustainable Cities and Society</i> , 2022, 81, 103850.	5.1	7