Timur Dogan

List of Publications by Year in descending order

25 papers	477 citations	758635 12 h-index	676716 22 g-index
26 all docs	26 docs citations	26 times ranked	327 citing authors

#	Article	IF	Citations
1	Shoeboxer: An algorithm for abstracted rapid multi-zone urban building energy model generation and simulation. Energy and Buildings, 2017, 140, 140-153.	3.1	85
2	Autozoner: an algorithm for automatic thermal zoning of buildings with unknown interior space definitions. Journal of Building Performance Simulation, 2016, 9, 176-189.	1.0	50
3	From energy performative to livable Mediterranean cities: An annual outdoor thermal comfort and energy balance cross-climatic typological study. Energy and Buildings, 2020, 224, 110283.	3.1	39
4	Simulation-based daylighting analysis procedure for developing urban zoning rules. Building Research and Information, 2017, 45, 478-491.	2.0	30
5	A cylindrical meshing methodology for annual urban computational fluid dynamics simulations. Journal of Building Performance Simulation, 2020, 13, 59-68.	1.0	29
6	A critical review of daylighting metrics for residential architecture and a new metric for cold and temperate climates. Lighting Research and Technology, 2019, 51, 206-230.	1.2	27
7	A novel solar envelope method based on solar ordinances for urban planning. Building Simulation, 2019, 12, 817-834.	3.0	24
8	Learning by playing â€“ teaching energy simulation as a game. Journal of Building Performance Simulation, 2012, 5, 359-368.	1.0	23
9	Eddy3D: A toolkit for decoupled outdoor thermal comfort simulations in urban areas. Building and Environment, 2022, 212, 108639.	3.0	20
10	High-resolution combined building stock and building energy modeling to evaluate whole-life carbon emissions and saving potentials at the building and urban scale. Resources, Conservation and Recycling, 2022, 177, 106000.	5.3	17
11	Seemo: A new tool for early design window view satisfaction evaluation in residential buildings. Building and Environment, 2022, 214, 108909.	3.0	16
12	Window View Quality: Why It Matters and What We Should Do. LEUKOS - Journal of Illuminating Engineering Society of North America, 2022, 18, 259-267.	1.5	14
13	Reverse solar envelope method. A new building form-finding method that can take regulatory frameworks into account. Automation in Construction, 2021, 123, 103518.	4.8	13
14	Surfer: A fast simulation algorithm to predict surface temperatures and mean radiant temperatures in large urban models. Building and Environment, 2021, 196, 107762.	3.0	13
15	Prototyping a faÃ§ade-mounted, dynamic, dual-axis daylight redirection system. Lighting Research and Technology, 2018, 50, 583-595.	1.2	10
16	Urban design attributes and resilience: COVID-19 evidence from New York City. Buildings and Cities, 2021, 2, 618.	1.1	10
17	Modeling outdoor thermal comfort along cycling routes at varying levels of physical accuracy to predict bike ridership in Cambridge, MA. Building and Environment, 2022, 208, 108577.	3.0	10
18	Rooting carbon dioxide removal research in the social sciences. Interface Focus, 2020, 10, 20190138.	1.5	9

#	Article	IF	Citations
19	Sustainability evaluation for early design (SEED) framework for energy use, embodied carbon, cost, and daylighting assessment. Journal of Building Performance Simulation, 2021, 14, 95-115.	1.0	9
20	Urbano: A Tool to Promote Active Mobility Modeling and Amenity Analysis in Urban Design. Technology Architecture and Design, 2020, 4, 92-105.	0.6	8
21	Streamlined CFD simulation framework to generate wind-pressure coefficients on building facades for airflow network simulations. Building Simulation, 2021, 14, 1189-1200.	3.0	7
22	Testing the residential daylight score: Comparing climate-based daylighting metrics for 2444 individual dwelling units in temperate climates. Lighting Research and Technology, 2020, 52, 991-1008.	1.2	5
23	Streamlined CFD Simulation Framework to Generate Wind-Pressure Coefficients on Building Facades for Airflow Network Simulations. , 2018, , .		5
24	A simple, rapid, interpretable, actionable and implementable digital PCR based mortality index. Epigenetics, 2020, 16, 1-15.	1.3	2
25	Costâ€“utility analysis of an integrated genetic/epigenetic test for assessing risk for coronary heart disease. Epigenomics, 2021, 13, 531-547.	1.0	2