Timur Dogan

List of Publications by Year in Descending Order

25 papers	240 citations	8 h-index	15 g-index
26 ext. papers	321 ext. citations	4.6 avg, IF	4.31 L-index

#	Paper	IF	Citations
25	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	11.9	1
24	Retooling Architectural Performance Analysis **2022**, 429-442		
23	Seemo: A new tool for early design window view satisfaction evaluation in residential buildings. *Building and Environment*, **2022**, 214, 108909	6.5	2
22	A simple, rapid, interpretable, actionable and implementable digital PCR based mortality index. *Epigenetics*, **2021**, 16, 1135-1149	5.7	2
21	Modeling outdoor thermal comfort along cycling routes at varying levels of physical accuracy to predict bike ridership in Cambridge, MA. *Building and Environment*, **2021**, 108577	6.5	1
20	Eddy3D: A toolkit for decoupled outdoor thermal comfort simulations in urban areas. *Building and Environment*, **2021**, 108639	6.5	2
19	Reverse solar envelope method. A new building form-finding method that can take regulatory frameworks into account. *Automation in Construction*, **2021**, 123, 103518	9.6	3
18	Cost-utility analysis of an integrated genetic/epigenetic test for assessing risk for coronary heart disease. *Epigenomics*, **2021**, 13, 531-547	4.4	1
17	Surfer: A fast simulation algorithm to predict surface temperatures and mean radiant temperatures in large urban models. *Building and Environment*, **2021**, 196, 107762	6.5	7
16	Urban design attributes and resilience: COVID-19 evidence from New York City. *Buildings and Cities*, **2021**, 2, 618	3.3	3
15	Streamlined CFD simulation framework to generate wind-pressure coefficients on building facades for airflow network simulations. *Building Simulation*, **2021**, 14, 1189-1200	3.9	0
14	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	2.8	3
13	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	2	1
12	A cylindrical meshing methodology for annual urban computational fluid dynamics simulations. *Journal of Building Performance Simulation*, **2020**, 13, 59-68	2.8	15
11	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	7	13
10	Rooting carbon dioxide removal research in the social sciences. *Interface Focus*, **2020**, 10, 20190138	3.9	5
9	Urbano: A Tool to Promote Active Mobility Modeling and Amenity Analysis in Urban Design. *Technology Architecture and Design*, **2020**, 4, 92-105	0.4	4

LIST OF PUBLICATIONS

8	A novel solar envelope method based on solar ordinances for urban planning. *Building Simulation*, **2019**, 12, 817-834	3.9	13
7	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	2	16
6	Prototyping a façade-mounted, dynamic, dual-axis daylight redirection system. *Lighting Research and Technology*, **2018**, 50, 583-595	2	8
5	Streamlined CFD Simulation Framework to Generate Wind-Pressure Coefficients on Building Facades for Airflow Network Simulations **2018**,		3
4	Simulation-based daylighting analysis procedure for developing urban zoning rules. *Building Research and Information*, **2017**, 45, 478-491	4.3	21
3	Shoeboxer: An algorithm for abstracted rapid multi-zone urban building energy model generation and simulation. *Energy and Buildings*, **2017**, 140, 140-153	7	58
2	Autozoner: an algorithm for automatic thermal zoning of buildings with unknown interior space definitions. *Journal of Building Performance Simulation*, **2016**, 9, 176-189	2.8	39
1	Learning by playing Teaching energy simulation as a game. *Journal of Building Performance Simulation*, **2012**, 5, 359-368	2.8	19