

Timur Dogan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Shoeboxer: An algorithm for abstracted rapid multi-zone urban building energy model generation and simulation. <i>Energy and Buildings</i> , 2017 , 140, 140-153 | 7 | 58 |
| 24 | Autozoner: an algorithm for automatic thermal zoning of buildings with unknown interior space definitions. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 176-189 | 2.8 | 39 |
| 23 | Simulation-based daylighting analysis procedure for developing urban zoning rules. <i>Building Research and Information</i> , 2017 , 45, 478-491 | 4.3 | 21 |
| 22 | Learning by playing Teaching energy simulation as a game. <i>Journal of Building Performance Simulation</i> , 2012 , 5, 359-368 | 2.8 | 19 |
| 21 | A critical review of daylighting metrics for residential architecture and a new metric for cold and temperate climates. <i>Lighting Research and Technology</i> , 2019 , 51, 206-230 | 2 | 16 |
| 20 | A cylindrical meshing methodology for annual urban computational fluid dynamics simulations. <i>Journal of Building Performance Simulation</i> , 2020 , 13, 59-68 | 2.8 | 15 |
| 19 | A novel solar envelope method based on solar ordinances for urban planning. <i>Building Simulation</i> , 2019 , 12, 817-834 | 3.9 | 13 |
| 18 | From energy performative to livable Mediterranean cities: An annual outdoor thermal comfort and energy balance cross-climatic typological study. <i>Energy and Buildings</i> , 2020 , 224, 110283 | 7 | 13 |
| 17 | Prototyping a façade-mounted, dynamic, dual-axis daylight redirection system. <i>Lighting Research and Technology</i> , 2018 , 50, 583-595 | 2 | 8 |
| 16 | Surfer: A fast simulation algorithm to predict surface temperatures and mean radiant temperatures in large urban models. <i>Building and Environment</i> , 2021 , 196, 107762 | 6.5 | 7 |
| 15 | Rooting carbon dioxide removal research in the social sciences. <i>Interface Focus</i> , 2020 , 10, 20190138 | 3.9 | 5 |
| 14 | Urbano: A Tool to Promote Active Mobility Modeling and Amenity Analysis in Urban Design. <i>Technology Architecture and Design</i> , 2020 , 4, 92-105 | 0.4 | 4 |
| 13 | Streamlined CFD Simulation Framework to Generate Wind-Pressure Coefficients on Building Facades for Airflow Network Simulations 2018 , | | 3 |
| 12 | Reverse solar envelope method. A new building form-finding method that can take regulatory frameworks into account. <i>Automation in Construction</i> , 2021 , 123, 103518 | 9.6 | 3 |
| 11 | Urban design attributes and resilience: COVID-19 evidence from New York City. <i>Buildings and Cities</i> , 2021 , 2, 618 | 3.3 | 3 |
| 10 | Sustainability evaluation for early design (SEED) framework for energy use, embodied carbon, cost, and daylighting assessment. <i>Journal of Building Performance Simulation</i> , 2021 , 14, 95-115 | 2.8 | 3 |
| 9 | A simple, rapid, interpretable, actionable and implementable digital PCR based mortality index. <i>Epigenetics</i> , 2021 , 16, 1135-1149 | 5.7 | 2 |

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| 8 | Eddy3D: A toolkit for decoupled outdoor thermal comfort simulations in urban areas. <i>Building and Environment</i> , 2021 , 108639 | 6.5 | 2 |
| 7 | Seemo: A new tool for early design window view satisfaction evaluation in residential buildings. <i>Building and Environment</i> , 2022 , 214, 108909 | 6.5 | 2 |
| 6 | Testing the residential daylight score: Comparing climate-based daylighting metrics for 2444 individual dwelling units in temperate climates. <i>Lighting Research and Technology</i> , 2020 , 52, 991-1008 | 2 | 1 |
| 5 | Modeling outdoor thermal comfort along cycling routes at varying levels of physical accuracy to predict bike ridership in Cambridge, MA. <i>Building and Environment</i> , 2021 , 108577 | 6.5 | 1 |
| 4 | High-resolution combined building stock and building energy modeling to evaluate whole-life carbon emissions and saving potentials at the building and urban scale. <i>Resources, Conservation and Recycling</i> , 2022 , 177, 106000 | 11.9 | 1 |
| 3 | Cost-utility analysis of an integrated genetic/epigenetic test for assessing risk for coronary heart disease. <i>Epigenomics</i> , 2021 , 13, 531-547 | 4.4 | 1 |
| 2 | Streamlined CFD simulation framework to generate wind-pressure coefficients on building facades for airflow network simulations. <i>Building Simulation</i> , 2021 , 14, 1189-1200 | 3.9 | 0 |
| 1 | Retooling Architectural Performance Analysis 2022 , 429-442 | | |