

# Tharaka Gunawardena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/937012/publications.pdf>

Version: 2024-02-01

15  
papers

449  
citations

1040056

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1125743

13  
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15  
all docs

15  
docs citations

15  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Review of Prefabricated Building Systems and Future Research in Australia. Buildings, 2019, 9, 38.	3.1	170
2	Innovative Flexible Structural System Using Prefabricated Modules. Journal of Architectural Engineering, 2016, 22, .	1.6	54
3	Behaviour of Multi-Storey Prefabricated Modular Buildings under seismic loads. Earthquake and Structures, 2016, 11, 1061-1076.	1.0	45
4	Time-Efficient Post-Disaster Housing Reconstruction with Prefabricated Modular Structures. Open House International, 2014, 39, 59-69.	1.1	40
5	Optimising the computational domain size in CFD simulations of tall buildings. Heliyon, 2021, 7, e06723.	3.2	39
6	Dependency Structure Matrix and Hierarchical Clustering based algorithm for optimum module identification in MEP systems. Automation in Construction, 2019, 104, 153-178.	9.8	28
7	Prefabricated Building Systemsâ€™ Design and Construction. Encyclopedia, 2022, 2, 70-95.	4.5	23
8	Impact of atmospheric boundary layer inhomogeneity in CFD simulations of tall buildings. Heliyon, 2020, 6, e04274.	3.2	17
9	Airborne and impact sound performance of modern lightweight timber buildings in the Australian construction industry. Case Studies in Construction Materials, 2021, 15, e00632.	1.7	9
10	Assessment of shear strength of reinforced concrete beams without shear reinforcement: A comparative study between codes of practice and artificial neural network. Case Studies in Construction Materials, 2022, 16, e01102.	1.7	6
11	Evaluation of inter-modular connection behaviour under lateral loads: An experimental and numerical study. Journal of Constructional Steel Research, 2022, 194, 107335.	3.9	5
12	Effective use of Offsite Manufacturing for Public Infrastructure Projects in Australia. , 2019, , .		4
13	Structural performance under lateral loads of innovative prefabricated modular structures. , 2012, , 717-722.		4
14	Improving aerodynamic performance of tall buildings using façade openings at service floors. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104997.	3.9	4
15	A comparative study on minimum shear reinforcement provisions in codes of practice for reinforced concrete beams. Case Studies in Construction Materials, 2021, 15, e00617.	1.7	1