

# Caesar Abi Shdid

## 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.

24  
papers

217  
citations

8  
h-index

14  
g-index

28  
ext. papers

290  
ext. citations

3.7  
avg. IF

3.22  
L-index

#	Paper	IF	Citations
24	Air infiltration through building envelopes: A review. <i>Journal of Building Physics</i> , <b>2012</b> , 35, 267-302	2.6	86
23	Structural performance of buried prestressed concrete cylinder pipes with harnessed joints interaction using numerical modeling. <i>Tunnelling and Underground Space Technology</i> , <b>2016</b> , 51, 11-19	5.7	24
22	A methodology for 3-D multiphysics CFD simulation of air leakage in building envelopes. <i>Energy and Buildings</i> , <b>2013</b> , 65, 146-158	7	19
21	Performance of Roof Tiles under Simulated Hurricane Impact. <i>Journal of Architectural Engineering</i> , <b>2009</b> , 15, 26-34	1.5	12
20	Effect of the location of broken wire wraps on the failure pressure of prestressed concrete cylinder pipes. <i>Structural Concrete</i> , <b>2015</b> , 16, 297-303	2.6	11
19	Effect of the Number of Broken Wire Wraps on the Structural Performance of PCCP with Full Interaction at the Gasket Joint. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2016</b> , 7, 04015026	1.5	10
18	Agent-Based Model for Simulating Construction Safety Climate in a Market Environment. <i>Journal of Computing in Civil Engineering</i> , <b>2017</b> , 31, 05016003	5	9
17	Simulating the Thermal Behavior of Buildings Using Artificial Neural Networks-Based Coarse-Grain Modeling. <i>Journal of Computing in Civil Engineering</i> , <b>2004</b> , 18, 207-214	5	8
16	Integrated project delivery implementation framework for water and wastewater treatment plant projects. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 27, 609-633	3.1	8
15	Validating a new model for rapid multi-dimensional combined heat and air infiltration building energy simulation. <i>Energy and Buildings</i> , <b>2015</b> , 87, 185-198	7	7
14	Project Performance Rating Model for Water and Wastewater Treatment Plant Public Projects. <i>Journal of Management in Engineering - ASCE</i> , <b>2019</b> , 35, 04018064	5.3	7
13	Aeroelastic modeling to study the wind-induced response of a self-supported lattice tower. <i>Engineering Structures</i> , <b>2021</b> , 245, 112885	4.7	4
12	Ring foundation on elastic subgrade: an analytical solution for computer modelling using the Lagrangian multiplier method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2016</b> , 40, 2017-2030	4	3
11	Determination of Two-Dimensional Plastic Zone Shape and SIF at Crack-Tip Using RKPM. <i>Journal of Iron and Steel Research International</i> , <b>2013</b> , 20, 103-114	1.2	2
10	Visual Rating and Strength Testing of 40-Year-Old Precast Prestressed Concrete Bridge Piling		2
9	Structural capacity reduction of drilled shaft foundations due to corrosion in longitudinal bars. <i>Structure and Infrastructure Engineering</i> , <b>2015</b> , 11, 1537-1546	2.9	1
8	An Enhanced Model for combined heat and air infiltration energy simulation. <i>Journal of Building Physics</i> , <b>2014</b> , 38, 262-286	2.6	1

7	Uplift Capacity and Impact Resistance of Roof Tiles. <i>Practice Periodical on Structural Design and Construction</i> , <b>2011</b> , 16, 121-129	1.2	1
6	Developments in Coarse-Grain Modeling of Transient Heat-Flow in Buildings. <i>Journal of Computing in Civil Engineering</i> , <b>2007</b> , 21, 379-382	5	1
5	Using numerical modeling for asset management of buried prestressed concrete cylinder pipes. <i>Structural Concrete</i> , <b>2021</b> , 22, 1487-1499	2.6	1
4	Experimental Validation of an Empirical Model for Computing the Diameter of Drilled Shafts during Construction Using CSL Signal Processing. <i>Journal of Computing in Civil Engineering</i> , <b>2016</b> , 30, 04015018 <sup>5</sup>		
3	Visual Rating and Strength Testing of 40-Year-Old Precast Prestressed Concrete Bridge Piling. <i>Transportation Research Record</i> , <b>2006</b> , 1975, 2-9	1.7	
2	Improving the Delivery Process of Water and Wastewater Treatment Plant Public Projects through the use of IPD Principles: A Case Study. <i>Proceedings of the Water Environment Federation</i> , <b>2015</b> , 2015, 1-11		
1	Improving the Delivery Process of Water and Wastewater Treatment Plant Public Projects through the use of IPD Principles: A Case Study. <i>Proceedings of the Water Environment Federation</i> , <b>2016</b> , 2016, 1203-1213		