

# Caesar Abi Shdid

## List of Publications by Year in Descending Order

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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 | 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         |
| 23 | 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         |
| 22 | 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         |
| 21 | 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         |
| 20 | 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         |
| 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 | 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                  | 5   | 5         |
| 17 | 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        |
| 16 | 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             |     |           |
| 15 | 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         |
| 14 | 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         |
| 13 | 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         |
| 12 | 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        |
| 11 | 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                  |     |           |
| 10 | 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         |
| 9  | 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        |
| 8  | 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         |

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|---|---|-----|----|
| 7 | Air infiltration through building envelopes: A review. <i>Journal of Building Physics</i> , <b>2012</b> , 35, 267-302   | 2.6 | 86 |
| 6 | 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  |
| 5 | Performance of Roof Tiles under Simulated Hurricane Impact. <i>Journal of Architectural Engineering</i> , <b>2009</b> , 15, 26-34   | 1.5 | 12 |
| 4 | 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  |
| 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 | 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  |
| 1 | Visual Rating and Strength Testing of 40-Year-Old Precast Prestressed Concrete Bridge Piling  |     | 2  |