

Thomas Tc Hsu

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

17
papers

374
citations

8
h-index

19
g-index

20
ext. papers

427
ext. citations

5.3
avg. IF

3.55
L-index

#	Paper	IF	Citations
17	High-fidelity finite element simulation of non-contact splices in column-drilled shaft connections. <i>Engineering Structures</i> , 2021 , 239, 112186	4.7	1
16	Performance of non-contact lap splices in geometrically dissimilar bridge column to drilled shaft connections. <i>Engineering Structures</i> , 2020 , 209, 110000	4.7	5
15	FE simulation of cylindrical RC containment structures under reserved cyclic loading. <i>Engineering Structures</i> , 2019 , 179, 255-267	4.7	4
14	Parametric study on the non-contact splices at drilled shaft to bridge column interface based on multiscale modeling approach. <i>Engineering Structures</i> , 2019 , 180, 400-418	4.7	6
13	Image analysis method for crack distribution and width estimation for reinforced concrete structures. <i>Automation in Construction</i> , 2018 , 91, 120-132	9.6	32
12	Multiscale analysis of non-contact splices at drilled shaft to bridge column interface. <i>Engineering Structures</i> , 2018 , 176, 28-40	4.7	8
11	Development of CSMM-based shell element for reinforced concrete structures. <i>Engineering Structures</i> , 2017 , 132, 778-790	4.7	33
10	Constitutive models of concrete structures subjected to seismic shear. <i>Earthquake and Structures</i> , 2014 , 7, 627-645		1
9	Seismic performance of reinforced engineered cementitious composite shear walls. <i>Earthquake and Structures</i> , 2014 , 7, 691-704		7
8	FE Program SCS for Analyzing Wall-Type Concrete Structures 2013 , 319-343		
7	A softened membrane model for torsion in reinforced concrete members. <i>Engineering Structures</i> , 2009 , 31, 1944-1954	4.7	89
6	Seismic simulation of RC wall-type structures. <i>Engineering Structures</i> , 2008 , 30, 3167-3175	4.7	44
5	Nonlinear finite element analysis of concrete structures using new constitutive models. <i>Computers and Structures</i> , 2001 , 79, 2781-2791	4.5	110
4	Unified approach to shear analysis and design. <i>Cement and Concrete Composites</i> , 1998 , 20, 419-435	8.6	19
3	Concrete stiffness matrices for membrane elements. <i>Structural Engineering and Mechanics</i> , 1997 , 5, 599-608		2
2	Unified theory of reinforced concrete-A summary. <i>Structural Engineering and Mechanics</i> , 1994 , 2, 1-16		4
1	Fiber-reinforced concrete under biaxial compression. <i>Engineering Fracture Mechanics</i> , 1990 , 35, 261-268	4.2	9

