

Baijian Wu

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.

16
papers

67
citations

5
h-index

7
g-index

17
ext. papers

85
ext. citations

2.7
avg, IF

2.79
L-index

#	Paper	IF	Citations
16	Fatigue damage accumulation modelling of critical components subjected to moving crane loads in reinforced-concrete industrial buildings. <i>Engineering Failure Analysis</i> , 2021 , 119, 104951	3.2	1
15	Analytical solution for the stress field of hierarchical defects: multiscale framework and applications. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021 , 42, 183-208	3.2	1
14	Numerical modeling on micro-to-macro evolution of crack network for concrete materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 107, 102525	3.7	4
13	Hierarchical modeling and damage prognosis on industrial RC building with preexisting defects. <i>Material Design and Processing Communications</i> , 2020 , 2, e124	0.9	1
12	Fatigue behavior prediction of metal alloys based on a unified multiscale crack growth model. <i>Engineering Fracture Mechanics</i> , 2020 , 235, 107132	4.2	5
11	Multiscale Analysis of Concrete Damage and Crack Propagation Under High Cycle Loading. <i>International Journal of Computational Methods</i> , 2020 , 17, 1844007	1.1	4
10	Modelling on crack propagation behaviours at concrete matrix-aggregate interface. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1803-1814	3	11
9	Microscopic Multiple Fatigue Crack Simulation and Macroscopic Damage Evolution of Concrete Beam. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4664	2.6	6
8	Modelling of dynamic crack propagation on concrete matrix-aggregate interface. <i>Procedia Structural Integrity</i> , 2018 , 13, 722-727	1	1
7	Fatigue crack growth under pulsatile pressure and plaque rupture. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 738-40	8.4	4
6	How does calcification influence plaque vulnerability? Insights from fatigue analysis. <i>Scientific World Journal, The</i> , 2014 , 2014, 417324	2.2	6
5	Multiscale features and information extraction of online strain for long-span bridges. <i>Smart Structures and Systems</i> , 2014 , 14, 679-697		9
4	Fatigue crack propagation analysis of plaque rupture. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 101003-9	2.1	10
3	Separation and extraction of bridge dynamic strain data. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2009 , 3, 395-400		1
2	Statistical analyses on multi-scale features of monitoring data from health monitoring system in long cable supported bridges. <i>Procedia Engineering</i> , 2009 , 1, 123-127		2
1	Fatigue stress monitoring and analyses for steel box girder of Runyang Suspension Bridge. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2008 , 2, 197-204		