Zhouhong Zong

List of Publications by Citations

43 papers	554 citations	13 h-index	22 g-index
47 ext. papers	750 ext. citations	3.1 avg, IF	4.21 L-index

#	Paper	IF	Citations
43	Long-term monitoring of wind characteristics at Sutong Bridge site. *Journal of Wind Engineering and Industrial Aerodynamics*, **2013**, 115, 39-47	3.7	70
42	Dynamic and seismic performance of old multi-tiered temples in Nepal. *Engineering Structures*, **2003**, 25, 1827-1839	4.7	64
41	Dynamic analysis of a half-through concrete-filled steel tubular arch bridge. *Engineering Structures*, **2005**, 27, 3-15	4.7	47
40	A study of RC bridge columns under contact explosion. *International Journal of Impact Engineering*, **2017**, 109, 378-390	4	43
39	Seismic response study on a multi-span cable-stayed bridge scale model under multi-support excitations. Part I: shaking table tests. *Journal of Zhejiang University: Science A*, **2014**, 15, 351-363	2.1	36
38	Experimental and numerical study on the behaviour of CFDST columns subjected to close-in blast loading. *Engineering Structures*, **2019**, 185, 203-220	4.7	30
37	Experimental and numerical study on damage mechanism of CFDST bridge columns subjected to contact explosion. *Engineering Structures*, **2018**, 159, 265-276	4.7	24
36	Finite element model validation of bridge based on structural health monitoring—Part I: Response surface-based finite element model updating. *Journal of Traffic and Transportation Engineering (English Edition)*, **2015**, 2, 258-278	3.9	18
35	Collapse Failure of Prestressed Concrete Continuous Rigid-Frame Bridge under Strong Earthquake Excitation: Testing and Simulation. *Journal of Bridge Engineering*, **2016**, 21, 04016047	2.7	18
34	A multiscale finite element model validation method of composite cable-stayed bridge based on Probability Box theory. *Journal of Sound and Vibration*, **2016**, 370, 111-131	3.9	16
33	A new baseline correction method for near-fault strong-motion records based on the target final displacement. *Soil Dynamics and Earthquake Engineering*, **2018**, 114, 27-37	3.5	16
32	Seismic response study on a multi-span cable-stayed bridge scale model under multi-support excitations. Part II: numerical analysis. *Journal of Zhejiang University: Science A*, **2014**, 15, 405-418	2.1	15
31	Experimental and numerical study of CFRP protective RC piers under contact explosion. *Composite Structures*, **2020**, 234, 111658	5.3	15
30	Post-blast performance and residual capacity of CFDST columns subjected to contact explosions. *Journal of Constructional Steel Research*, **2020**, 167, 105960	3.8	13
29	Study on seismic response control of a single-tower self-anchored suspension bridge with elastic-plastic steel damper. *Science China Technological Sciences*, **2012**, 55, 1496-1502	3.5	12
28	Numerical study on the behavior of utility tunnel subjected to ground surface explosion. *Thin-Walled Structures*, **2021**, 161, 107422	4.7	12
27	Damage identification method of girder bridges based on finite element model updating and modal strain energy. *Science China Technological Sciences*, **2015**, 58, 701-711	3.5	11

26	Experimental and numerical studies of the seismic behavior of a steel-concrete composite rigid-frame bridge subjected to the surface rupture at a thrust fault. *Engineering Structures*, **2020**, 205, 110105	4.7	11
25	Seismic Performance of Steel-Concrete Composite Rigid-Frame Bridge: Shake Table Test and Numerical Simulation. *Journal of Bridge Engineering*, **2020**, 25, 04020032	2.7	10
24	The blast resistant performance of concrete-filled steel-tube segmental columns. *Journal of Constructional Steel Research*, **2020**, 168, 105997	3.8	7
23	Digital simulation of 3D turbulence wind field of Sutong Bridge based on measured wind spectra. *Journal of Zhejiang University: Science A*, **2012**, 13, 91-104	2.1	7
22	A Damage Prognosis Method of Girder Structures Based on Wavelet Neural Networks. *Mathematical Problems in Engineering*, **2014**, 2014, 1-11	1.1	7
21	Numerical study of the seismic performance and damage mitigation of steel-concrete composite rigid-frame bridge subjected to across-fault ground motions. *Bulletin of Earthquake Engineering*, **2020**, 18, 6687-6714	3.7	6
20	Experimental study on mechanical properties of high damping rubber bearing model. *IOP Conference Series: Earth and Environmental Science*, **2017**, 61, 012105	0.3	5
19	Finite element model validation of bridge based on structural health monitoring Part II: Uncertainty propagation and model validation. *Journal of Traffic and Transportation Engineering (English Edition)*, **2015**, 2, 279-289	3.9	5
18	Metamaterial I-Girder for Vibration Absorption of Composite Cable-Stayed Bridge. *Journal of Engineering Mechanics - ASCE*, **2018**, 144, 04018045	2.4	5
17	Instantaneous frequency tracking method for composite cable-stayed bridge. *Mechanical Systems and Signal Processing*, **2018**, 100, 43-56	7.8	5
16	Experimental investigation on the residual axial capacity of close-in blast damaged CFDST columns. *Thin-Walled Structures*, **2021**, 165, 107976	4.7	5
15	Experimental Study on Seismic Performance of Concrete Continuous Bridge with HDR Bearings. *Journal of the Institution of Engineers (India): Series A*, **2020**, 101, 293-314	1	4
14	Multi-stopband negative stiffness composite column design for vibration absorption. *Thin-Walled Structures*, **2019**, 144, 106330	4.7	4
13	Numerical analysis of axial load effects on RC bridge columns under blast loading. *Advances in Structural Engineering*, **2021**, 24, 1399-1414	1.9	4
12	Damage Assessment of an RC Pier under Noncontact Blast Loading Based on P-I Curves. *Shock and Vibration*, **2018**, 2018, 1-12	1.1	2
11	A Multiscale Finite Element Model Validation Method of Composite Cable-Stayed Bridge Based on Structural Health Monitoring System. *Shock and Vibration*, **2015**, 2015, 1-12	1.1	1
10	A New Hybrid Input Strategy to Reproduce Across-Fault Ground Motions on Multi-Shaking Tables. *Journal of Testing and Evaluation*, **2021**, 49, 20190797	1	1
9	Influence of U-shaped stiffeners on the blast-resistance performance of steel plates. *Journal of Constructional Steel Research*, **2022**, 188, 107046	3.8	1

8	Research on Longitudinal Collapse Mode and Control of the Continuous Bridge under Strong Seismic Excitations. *Applied Sciences (Switzerland)*, **2020**, 10, 6049	2.6	1
7	Blast Response and Damage Mechanism of Prefabricated Segmental RC Bridge Piers. *Journal of Bridge Engineering*, **2021**, 26, 04021012	2.7	1
6	Experimental Study on Behavior and Failure Mode of PSRC Bridge Pier under Close-In Blast Loading. *Journal of Bridge Engineering*, **2021**, 26, 04020124	2.7	1
5	Collapse Analysis of a Two-Span Reinforced Concrete Bridge Model. *Applied Sciences (Switzerland)*, **2021**, 11, 8935	2.6	1
4	Residual axial capacity of circular reinforced concrete columns subjected to contact explosions. *Advances in Structural Engineering*,136943322210840	1.9	0
3	Influence of shape of cuboid explosives on response of plates subjected to blast loads. *Thin-Walled Structures*, **2022**, 174, 109077	4.7	0
2	Study on wind characteristics of typhoon muifa on the sutong bridge. *Wuhan University Journal of Natural Sciences*, **2013**, 18, 156-162	0.4	
1	Damper Optimization for Long-Span Suspension Bridges112-125		