Xiaoqing Zhou

List of Publications by Citations

34 papers	1,315 citations	16 h-index	35 g-index
35 ext. papers	1,569 ext. citations	3.7 avg, IF	4.91 L-index

#	Paper	IF	Citations
34	Modelling of compressive behaviour of concrete-like materials at high strain rate. *International Journal of Solids and Structures*, **2008**, 45, 4648-4661	3.1	265
33	Numerical prediction of concrete slab response to blast loading. *International Journal of Impact Engineering*, **2008**, 35, 1186-1200	4	138
32	Mesoscale modelling of concrete tensile failure mechanism at high strain rates. *Computers and Structures*, **2008**, 86, 2013-2026	4.5	133
31	Field monitoring and numerical analysis of Tsing Ma Suspension Bridge temperature behavior. *Structural Control and Health Monitoring*, **2013**, 20, 560-575	4.5	120
30	Prediction of airblast loads on structures behind a protective barrier. *International Journal of Impact Engineering*, **2008**, 35, 363-375	4	82
29	Variation of structural vibration characteristics versus non-uniform temperature distribution. *Engineering Structures*, **2011**, 33, 146-153	4.7	66
28	Mesoscale modelling and analysis of damage and fragmentation of concrete slab under contact detonation. *International Journal of Impact Engineering*, **2009**, 36, 1315-1326	4	62
27	Structural damage detection based on l1 regularization using natural frequencies and mode shapes. *Structural Control and Health Monitoring*, **2018**, 25, e2107	4.5	55
26	Characterization of the mechanical properties of eco-friendly concrete made with untreated sea sand and seawater based on statistical analysis. *Construction and Building Materials*, **2020**, 234, 117339	6.7	52
25	Selection of regularization parameter for l1-regularized damage detection. *Journal of Sound and Vibration*, **2018**, 423, 141-160	3.9	49
24	Improved substructuring method for eigensolutions of large-scale structures. *Journal of Sound and Vibration*, **2009**, 323, 718-736	3.9	42
23	Inverse substructure method for model updating of structures. *Journal of Sound and Vibration*, **2012**, 331, 5449-5468	3.9	38
22	Substructuring approach to the calculation of higher-order eigensensitivity. *Computers and Structures*, **2013**, 117, 23-33	4.5	27
21	Genetic algorithm based optimal sensor placement for L1-regularized damage detection. *Structural Control and Health Monitoring*, **2019**, 26, e2274	4.5	27
20	Structural damage measure index based on non-probabilistic reliability model. *Journal of Sound and Vibration*, **2014**, 333, 1344-1355	3.9	21
19	Element-by-element model updating of large-scale structures based on component mode synthesis method. *Journal of Sound and Vibration*, **2016**, 362, 72-84	3.9	16
18	Sparse Bayesian learning for structural damage detection using expectation–maximization technique. *Structural Control and Health Monitoring*, **2019**, 26, e2343	4.5	15

17	Sensor Placement for Structural Damage Detection considering Measurement Uncertainties. *Advances in Structural Engineering*, **2013**, 16, 899-907	1.9	14
16	Comparisons between Modal-Parameter-Based and Flexibility-Based Damage Identification Methods. *Advances in Structural Engineering*, **2013**, 16, 1611-1619	1.9	13
15	Structural damage detection based on variational Bayesian inference and delayed rejection adaptive Metropolis algorithm. *Structural Health Monitoring*, **2020**, 147592172092125	4.4	10
14	On perforation of ductile metallic plates by blunt rigid projectile. *European Journal of Mechanics, A/Solids*, **2009**, 28, 273-283	3.7	10
13	Numerical Prediction of Reinforced Concrete Exterior Wall Response to Blast Loading. *Advances in Structural Engineering*, **2008**, 11, 355-367	1.9	10
12	Laplace approximation in sparse Bayesian learning for structural damage detection. *Mechanical Systems and Signal Processing*, **2020**, 140, 106701	7.8	9
11	A videogrammetric technique for measuring the vibration displacement of stay cables. *Geo-Spatial Information Science*, **2012**, 15, 135-141	3.5	8
10	VIBRATION-BASED STRUCTURAL DAMAGE DETECTION UNDER VARYING TEMPERATURE CONDITIONS. *International Journal of Structural Stability and Dynamics*, **2013**, 13, 1250082	1.9	5
9	Structural damage detection of space frame structures with semi-rigid connections. *Engineering Structures*, **2021**, 235, 112029	4.7	5
8	Structural damage detection based on iteratively reweighted l1 regularization algorithm. *Advances in Structural Engineering*, **2019**, 22, 1479-1487	1.9	5
7	Verification of a Cable Element for Cable Parametric Vibration of One-Cable-Beam System Subject to Harmonic Excitation and Random Excitation. *Advances in Structural Engineering*, **2011**, 14, 589-595	1.9	4
6	Enhancing the Performance of CFRP Shear-Strengthened RC Beams Using Ductile Anchoring Devices. *Frontiers in Materials*, **2020**, 7,	4	4
5	Behaviors of Large-Rupture-Strain Fiber-Reinforced Polymer Strengthened Reinforced Concrete Beams Under Static and Impact Loads. *Frontiers in Materials*, **2020**, 7,	4	3
4	Dynamic behavior of microcapsule-based self-healing concrete subjected to impact loading. *Construction and Building Materials*, **2021**, 301, 124322	6.7	3
3	MESOSCALE MODELING OF CONCRETE UNDER DYNAMIC SPLIT TENSION. *Journal of Earthquake and Tsunami*, **2013**, 07, 1350028	1.1	2
2	Random Aggregate Generation and Mesoscale Modeling of Concrete under High Strain Rate Compression. *Applied Mechanics and Materials*, **2011**, 71-78, 733-736	0.3	2
1	Numerical simulation and ultimate deformation model of FRP-plated RC beams using H-type end anchorage. *Construction and Building Materials*, **2021**, 305, 124314	6.7	