Xiaoqing Zhou

List of Publications by Year
in descending order

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35 papers	1,861 citations	393982 19 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1234 citing authors

#	Article	IF	Citations
1	Structural damage detection based on variational Bayesian inference and delayed rejection adaptive Metropolis algorithm. Structural Health Monitoring, 2021, 20, 1518-1535.	4.3	23
2	Structural damage detection of space frame structures with semi-rigid connections. Engineering Structures, 2021, 235, 112029.	2.6	21
3	Dynamic behavior of microcapsule-based self-healing concrete subjected to impact loading. Construction and Building Materials, 2021, 301, 124322.	3.2	14
4	Numerical simulation and ultimate deformation model of FRP-plated RC beams using H-type end anchorage. Construction and Building Materials, 2021, 305, 124314.	3.2	1
5	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.	3.2	127
6	Enhancing the Performance of CFRP Shear-Strengthened RC Beams Using â€œDuctileâ€•Anchoring Devices. Frontiers in Materials, 2020, 7, .	1.2	14
7	Laplace approximation in sparse Bayesian learning for structural damage detection. Mechanical Systems and Signal Processing, 2020, 140, 106701.	4.4	16
8	Behaviors of Large-Rupture-Strain Fiber-Reinforced Polymer Strengthened Reinforced Concrete Beams Under Static and Impact Loads. Frontiers in Materials, 2020, 7, .	1.2	11
9	Sparse Bayesian learning for structural damage detection using expectationâ€“maximization technique. Structural Control and Health Monitoring, 2019, 26, e2343.	1.9	28
10	Genetic algorithm based optimal sensor placement forL₁-regularized damage detection. Structural Control and Health Monitoring, 2019, 26, e2274.	1.9	42
11	Structural damage detection based on iteratively reweighted l₁ regularization algorithm. Advances in Structural Engineering, 2019, 22, 1479-1487.	1.2	9
12	Selection of regularization parameter for l1-regularized damage detection. Journal of Sound and Vibration, 2018, 423, 141-160.	2.1	72
13	Structural damage detection based onl₁regularization using natural frequencies and mode shapes. Structural Control and Health Monitoring, 2018, 25, e2107.	1.9	81
14	Calculation of CQC mode correlation coefficients under filtered white noise model of earthquake ground motion. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2018, 35, 128.	0.1	0
15	Element-by-element model updating of large-scale structures based on component mode synthesis method. Journal of Sound and Vibration, 2016, 362, 72-84.	2.1	19
16	Structural damage measure index based on non-probabilistic reliability model. Journal of Sound and Vibration, 2014, 333, 1344-1355.	2.1	25
17	Field monitoring and numerical analysis of Tsing Ma Suspension Bridge temperature behavior. Structural Control and Health Monitoring, 2013, 20, 560-575.	1.9	168
18	Substructuring approach to the calculation of higher-order eigensensitivity. Computers and Structures, 2013, 117, 23-33.	2.4	34

#	Article	IF	Citations
19	Sensor Placement for Structural Damage Detection considering Measurement Uncertainties. Advances in Structural Engineering, 2013, 16, 899-907.	1.2	16
20	VIBRATION-BASED STRUCTURAL DAMAGE DETECTION UNDER VARYING TEMPERATURE CONDITIONS. International Journal of Structural Stability and Dynamics, 2013, 13, 1250082.	1.5	6
21	MESOSCALE MODELING OF CONCRETE UNDER DYNAMIC SPLIT TENSION. Journal of Earthquake and Tsunami, 2013, 07, 1350028.	0.7	2
22	Comparisons between Modal-Parameter-Based and Flexibility-Based Damage Identification Methods. Advances in Structural Engineering, 2013, 16, 1611-1619.	1.2	17
23	A videogrammetric technique for measuring the vibration displacement of stay cables. Geo-Spatial Information Science, 2012, 15, 135-141.	2.4	10
24	Inverse substructure method for model updating of structures. Journal of Sound and Vibration, 2012, 331, 5449-5468.	2.1	48
25	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.	1.2	7
26	Variation of structural vibration characteristics versus non-uniform temperature distribution. Engineering Structures, 2011, 33, 146-153.	2.6	88
27	Random Aggregate Generation and Mesoscale Modeling of Concrete under High Strain Rate Compression. Applied Mechanics and Materials, 2011, 71-78, 733-736.	0.2	2
28	Mesoscale modelling and analysis of damage and fragmentation of concrete slab under contact detonation. International Journal of Impact Engineering, 2009, 36, 1315-1326.	2.4	79
29	Improved substructuring method for eigensolutions of large-scale structures. Journal of Sound and Vibration, 2009, 323, 718-736.	2.1	46
30	On perforation of ductile metallic plates by blunt rigid projectile. European Journal of Mechanics, A/Solids, 2009, 28, 273-283.	2.1	14
31	Mesoscale modelling of concrete tensile failure mechanism at high strain rates. Computers and Structures, 2008, 86, 2013-2026.	2.4	178
32	Modelling of compressive behaviour of concrete-like materials at high strain rate. International Journal of Solids and Structures, 2008, 45, 4648-4661.	1.3	346
33	Prediction of airblast loads on structures behind a protective barrier. International Journal of Impact Engineering, 2008, 35, 363-375.	2.4	105
34	Numerical prediction of concrete slab response to blast loading. International Journal of Impact Engineering, 2008, 35, 1186-1200.	2.4	177
35	Numerical Prediction of Reinforced Concrete Exterior Wall Response to Blast Loading. Advances in Structural Engineering, 2008, 11, 355-367.	1.2	15