

Chengming Lan

List of Publications by Year in descending order

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18
papers

538
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1040056

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times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	SMC structural health monitoring benchmark problem using monitored data from an actual cable-stayed bridge. <i>Structural Control and Health Monitoring</i> , 2014, 21, 156-172.	4.0	127
2	Experimental and Numerical Study of the Fatigue Properties of Corroded Parallel Wire Cables. <i>Journal of Bridge Engineering</i> , 2012, 17, 211-220.	2.9	90
3	Fatigue life prediction for parallel-wire stay cables considering corrosion effects. <i>International Journal of Fatigue</i> , 2018, 114, 81-91.	5.7	55
4	Time-dependent seismic demand and fragility of deteriorating bridges for their residual service life. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 2389-2409.	4.1	51
5	Monitoring and Failure Analysis of Corroded Bridge Cables under Fatigue Loading Using Acoustic Emission Sensors. <i>Sensors</i> , 2012, 12, 3901-3915.	3.8	47
6	Traffic load modelling based on structural health monitoring data. <i>Structure and Infrastructure Engineering</i> , 2011, 7, 379-386.	3.7	45
7	Weibull modeling of the fatigue life for steel rebar considering corrosion effects. <i>International Journal of Fatigue</i> , 2018, 111, 134-143.	5.7	43
8	3-D modelling and statistical properties of surface pits of corroded wire based on image processing technique. <i>Corrosion Science</i> , 2016, 111, 275-287.	6.6	32
9	Detection of Ultrasonic Stress Waves in Structures Using 3D Shaped Optic Fiber Based on a Mach-Zehnder Interferometer. <i>Sensors</i> , 2018, 18, 1218.	3.8	16
10	Size effect on tensile strength of parallel CFRP wire stay cable. <i>Composite Structures</i> , 2017, 181, 96-111.	5.8	9
11	Fatigue life evaluation model for high-strength steel wire considering different levels of corrosion. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 409-419.	3.7	6
12	Monitoring of chloride-induced corrosion in steel rebars. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 601-610.	1.4	4
13	A structural reliability-based sensitivity analysis method using particles swarm optimization: relative convergence rate. <i>Journal of Zhejiang University: Science A</i> , 2016, 17, 961-973.	2.4	3
14	Progressive fatigue damage model for FRP wires under longitudinal cyclic tensile loading. <i>Composite Structures</i> , 2021, 278, 114688.	5.8	3
15	Mechanistic model for prediction of the residual tensile strength of FRP wires. <i>Composite Structures</i> , 2022, 282, 115094.	5.8	2
16	Predictive model for fatigue life in parallel-wire stay cables considering corrosion variability. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 964-977.	3.7	2
17	Generalized hierarchical Bayesian inference for fatigue life prediction based on multi-parameter Weibull models. <i>International Journal of Fatigue</i> , 2022, 162, 106948.	5.7	2
18	Probabilistic model for length effect on fatigue life of longitudinal elements. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 1948-1962.	3.4	1