Chengming Lan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1589424/publications.pdf

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18	538	1040056	839539
papers	citations	9	18
		h-index	g-index

18	18	18	435
all docs	docs citations	times ranked	citing authors

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