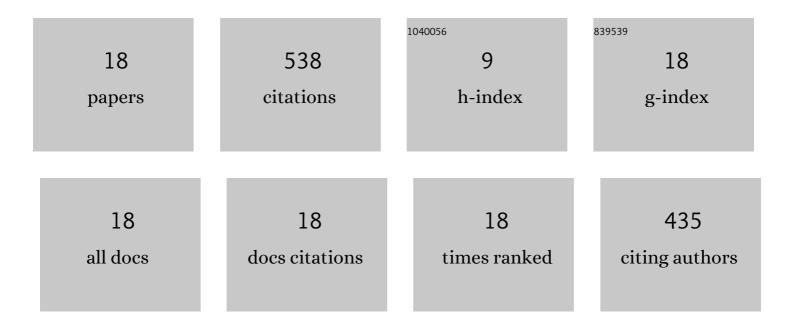
Chengming Lan

List of Publications by Year in descending order

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CHENCMING LAN

#	Article	IF	CITATIONS
1	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
2	Experimental and Numerical Study of the Fatigue Properties of Corroded Parallel Wire Cables. Journal of Bridge Engineering, 2012, 17, 211-220.	2.9	90
3	Fatigue life prediction for parallel-wire stay cables considering corrosion effects. International Journal of Fatigue, 2018, 114, 81-91.	5.7	55
4	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
5	Monitoring and Failure Analysis of Corroded Bridge Cables under Fatigue Loading Using Acoustic Emission Sensors. Sensors, 2012, 12, 3901-3915.	3.8	47
6	Traffic load modelling based on structural health monitoring data. Structure and Infrastructure Engineering, 2011, 7, 379-386.	3.7	45
7	Weibull modeling of the fatigue life for steel rebar considering corrosion effects. International Journal of Fatigue, 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. Corrosion Science, 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. Sensors, 2018, 18, 1218.	3.8	16
10	Size effect on tensile strength of parallel CFRP wire stay cable. Composite Structures, 2017, 181, 96-111.	5.8	9
11	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
12	Monitoring of chloride-induced corrosion in steel rebars. Corrosion Engineering Science and Technology, 2018, 53, 601-610.	1.4	4
13	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
14	Progressive fatigue damage model for FRP wires under longitudinal cyclic tensile loading. Composite Structures, 2021, 278, 114688.	5.8	3
15	Mechanistic model for prediction of the residual tensile strength of FRP wires. Composite Structures, 2022, 282, 115094.	5.8	2
16	Predictive model for fatigue life in parallel-wire stay cables considering corrosion variability. Structure and Infrastructure Engineering, 2023, 19, 964-977.	3.7	2
17	Generalized hierarchical Bayesian inference for fatigue life prediction based on multi-parameter Weibull models. International Journal of Fatigue, 2022, 162, 106948.	5.7	2
18	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