Chuan-Zhi Dong

List of Publications by Year
in descending order

25 papers	1,178 citations	430754 18 h-index	610775 24 g-index
28 all docs	28 docs citations	28 times ranked	663 citing authors

#	Article	IF	Citations
1	A review of computer vision–based structural health monitoring at local and global levels. Structural Health Monitoring, 2021, 20, 692-743.	4.3	296
2	A Review of Machine Vision-Based Structural Health Monitoring: Methodologies and Applications. Journal of Sensors, 2016, 2016, 1-10.	0.6	108
3	Structural displacement monitoring using deep learning-based full field optical flow methods. Structure and Infrastructure Engineering, 2020, 16, 51-71.	2.0	100
4	Vision-based structural displacement measurement: System performance evaluation and influence factor analysis. Measurement: Journal of the International Measurement Confederation, 2016, 88, 372-384.	2.5	90
5	Marker-free monitoring of the grandstand structures and modal identification using computer vision methods. Structural Health Monitoring, 2019, 18, 1491-1509.	4.3	78
6	Identification of structural dynamic characteristics based on machine vision technology. Measurement: Journal of the International Measurement Confederation, 2018, 126, 405-416.	2.5	77
7	Image-based structural dynamic displacement measurement using different multi-object tracking algorithms. Smart Structures and Systems, 2016, 17, 935-956.	1.9	56
8	A non-target structural displacement measurement method using advanced feature matching strategy. Advances in Structural Engineering, 2019, 22, 3461-3472.	1.2	43
9	Multi-point displacement monitoring of bridges using a vision-based approach. Wind and Structures, an International Journal, 2015, 20, 315-326.	0.8	40
10	A computer vision approach for the load time history estimation of lively individuals and crowds. Computers and Structures, 2018, 200, 32-52.	2.4	36
11	A Robust Vision-Based Method for Displacement Measurement under Adverse Environmental Factors Using Spatio-Temporal Context Learning and Taylor Approximation. Sensors, 2019, 19, 3197.	2.1	31
12	Investigation of vibration serviceability of a footbridge using computer vision-based methods. Engineering Structures, 2020, 224, 111224.	2.6	31
13	Development of Elasto-Magneto-Electric (EME) Sensor for In-Service Cable Force Monitoring. International Journal of Structural Stability and Dynamics, 2016, 16, 1640016.	1.5	28
14	Force monitoring of steel cables using vision-based sensing technology: methodology and experimental verification. Smart Structures and Systems, 2016, 18, 585-599.	1.9	27
15	A portable monitoring approach using cameras and computer vision for bridge load rating in smart cities. Journal of Civil Structural Health Monitoring, 2020, 10, 1001-1021.	2.0	25
16	Pixel-Level Fatigue Crack Segmentation in Large-Scale Images of Steel Structures Using an Encoder–Decoder Network. Sensors, 2021, 21, 4135.	2.1	23
17	Bridge Damage Detection Approach Using a Roving Camera Technique. Sensors, 2021, 21, 1246.	2.1	21
18	Bridge Load Testing for Identifying Live Load Distribution, Load Rating, Serviceability and Dynamic Response. Frontiers in Built Environment, 2020, 6, .	1.2	20

#	Article	IF	Citations
19	Computer Vision–Based Human Comfort Assessment of Stadiums. Journal of Performance of Constructed Facilities, 2020, 34, .	1.0	10
20	Investigation of Structural Response under Human-Induced Excitations Using Noise-Assisted and Adaptively Transformed Multivariate Empirical Mode Decomposition. Journal of Structural Engineering, 2020, 146, .	1.7	8
21	Experimental Study of the Fatigue Performance of the Bonding Surfaces and Load-Bearing Capacity of a Large-Scale Severely Damaged Hollow Slab Strengthened by CFRP. Sustainability, 2021, 13, 12179.	1.6	7
22	Hanger replacement influence on seismic response of suspension bridges: Implementation to the Bosphorus Bridge subjected to multi‐support excitation. Earthquake Engineering and Structural Dynamics, 2020, 49, 1496-1518.	2.5	5
23	Data Loss Reconstruction Method for a Bridge Weigh-in-Motion System Using Generative Adversarial Networks. Sensors, 2022, 22, 858.	2.1	5
24	Long-term Structural Displacement Monitoring using Image Sequences and Spatio-Temporal Context Learning. , 0, , .		1
25	A Full Version of Vision-Based Structural Identification. , 2020, , 63-69.		1