

# Chuan-Zhi Dong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/483368/publications.pdf>

Version: 2024-02-01

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	Data Loss Reconstruction Method for a Bridge Weigh-in-Motion System Using Generative Adversarial Networks. <i>Sensors</i> , 2022, 22, 858.	2.1	5
2	A review of computer vision-based structural health monitoring at local and global levels. <i>Structural Health Monitoring</i> , 2021, 20, 692-743.	4.3	296
3	Bridge Damage Detection Approach Using a Roving Camera Technique. <i>Sensors</i> , 2021, 21, 1246.	2.1	21
4	Pixel-Level Fatigue Crack Segmentation in Large-Scale Images of Steel Structures Using an Encoder-Decoder Network. <i>Sensors</i> , 2021, 21, 4135.	2.1	23
5	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. <i>Sustainability</i> , 2021, 13, 12179.	1.6	7
6	Structural displacement monitoring using deep learning-based full field optical flow methods. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 51-71.	2.0	100
7	Investigation of vibration serviceability of a footbridge using computer vision-based methods. <i>Engineering Structures</i> , 2020, 224, 111224.	2.6	31
8	Hanger replacement influence on seismic response of suspension bridges: Implementation to the Bosphorus Bridge subjected to multi-support excitation. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 1496-1518.	2.5	5
9	A portable monitoring approach using cameras and computer vision for bridge load rating in smart cities. <i>Journal of Civil Structural Health Monitoring</i> , 2020, 10, 1001-1021.	2.0	25
10	Bridge Load Testing for Identifying Live Load Distribution, Load Rating, Serviceability and Dynamic Response. <i>Frontiers in Built Environment</i> , 2020, 6, .	1.2	20
11	Investigation of Structural Response under Human-Induced Excitations Using Noise-Assisted and Adaptively Transformed Multivariate Empirical Mode Decomposition. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	8
12	Computer Vision-Based Human Comfort Assessment of Stadiums. <i>Journal of Performance of Constructed Facilities</i> , 2020, 34, .	1.0	10
13	A Full Version of Vision-Based Structural Identification. , 2020, , 63-69.		1
14	A Robust Vision-Based Method for Displacement Measurement under Adverse Environmental Factors Using Spatio-Temporal Context Learning and Taylor Approximation. <i>Sensors</i> , 2019, 19, 3197.	2.1	31
15	A non-target structural displacement measurement method using advanced feature matching strategy. <i>Advances in Structural Engineering</i> , 2019, 22, 3461-3472.	1.2	43
16	Marker-free monitoring of the grandstand structures and modal identification using computer vision methods. <i>Structural Health Monitoring</i> , 2019, 18, 1491-1509.	4.3	78
17	A computer vision approach for the load time history estimation of lively individuals and crowds. <i>Computers and Structures</i> , 2018, 200, 32-52.	2.4	36
18	Identification of structural dynamic characteristics based on machine vision technology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 126, 405-416.	2.5	77

#	ARTICLE	IF	CITATIONS
19	A Review of Machine Vision-Based Structural Health Monitoring: Methodologies and Applications. Journal of Sensors, 2016, 2016, 1-10.	0.6	108
20	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
21	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
22	Image-based structural dynamic displacement measurement using different multi-object tracking algorithms. Smart Structures and Systems, 2016, 17, 935-956.	1.9	56
23	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
24	Multi-point displacement monitoring of bridges using a vision-based approach. Wind and Structures, an International Journal, 2015, 20, 315-326.	0.8	40
25	Long-term Structural Displacement Monitoring using Image Sequences and Spatio-Temporal Context Learning. , 0, , .		1