

David Lattanzi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

451
citations

12
h-index

21
g-index

32
ext. papers

605
ext. citations

3.1
avg, IF

4.44
L-index

#	Paper	IF	Citations
24	Meta-Learning for Industrial System Monitoring via Multi-Objective Optimization. <i>Transactions on Computational Science and Computational Intelligence</i> , 2021 , 397-415	0.9	0
23	Combining convolutional neural networks with unsupervised learning for acoustic monitoring of robotic manufacturing facilities. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110090	1.2	3
22	Automatic Detection of Structural Deficiencies Using 4D Hue-Assisted Analysis of Color Point Clouds. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019 , 197-205	0.3	4
21	Life-Cycle Modeling of Structural Defects via Computational Geometry and Time-Series Forecasting. <i>Sensors</i> , 2019 , 19,	3.8	1
20	Unmanned aerial vehicle inspection of the Placer River Trail Bridge through image-based 3D modelling. <i>Structure and Infrastructure Engineering</i> , 2018 , 14, 124-136	2.9	83
19	Extraction of Structural System Designs from Topologies via Morphological Analysis and Artificial Intelligence. <i>Designs</i> , 2018 , 2, 8	1.8	2
18	Utilizing UAV and 3D Computer Vision for Visual Inspection of a Large Gravity Dam. <i>Frontiers in Built Environment</i> , 2018 , 4,	2.2	27
17	Damage Detection and Finite-Element Model Updating of Structural Components through Point Cloud Analysis. <i>Journal of Aerospace Engineering</i> , 2018 , 31, 04018068	1.4	17
16	Review of Robotic Infrastructure Inspection Systems. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 04017004	0.4	78
15	Deformation Tracking in 3D Point Clouds Via Statistical Sampling of Direct Cloud-to-Cloud Distances. <i>Journal of Nondestructive Evaluation</i> , 2017 , 36, 1	2.1	29
14	Bridge Type Classification: Supervised Learning on a Modified NBI Data Set. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017063	5	6
13	Pixel-wise structural motion tracking from rectified repurposed videos. <i>Structural Control and Health Monitoring</i> , 2017 , 24, e2009	4.5	13
12	Robust normal estimation and region growing segmentation of infrastructure 3D point cloud models. <i>Advanced Engineering Informatics</i> , 2017 , 34, 1-16	7.4	39
11	Hierarchical Dense Structure-from-Motion Reconstructions for Infrastructure Condition Assessment. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04016047	5	28
10	Bridge Column Maximum Drift Estimation via Computer Vision. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015051	5	17
9	Long-term monitoring of structures through point cloud analysis 2016 ,		3
8	Automated 3D Image-Based Section Loss Detection for Finite Element Model Updating 2016 ,		4

7	Stability of Large Reinforcing Column Cages during Temporary Construction Conditions. <i>Practice Periodical on Structural Design and Construction</i> , 2016 , 21, 04015003	1.2	1
6	Extracting Structural Models through Computer Vision 2015 ,		3
5	3D Scene Reconstruction for Robotic Bridge Inspection. <i>Journal of Infrastructure Systems</i> , 2015 , 21, 04014041	1.4	20
4	Robust Automated Concrete Damage Detection Algorithms for Field Applications. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 253-262	5	40
3	Measures of the Seismic Vulnerability of Reinforced Concrete Buildings in Haiti. <i>Earthquake Spectra</i> , 2011 , 27, 373-386	3.4	22
2	Evaluation of highway bridge strength considering parapets. <i>Bridge Structures</i> , 2005 , 1, 273-280	0.7	2
1	Color-space analytics for damage detection in 3D point clouds. <i>Structure and Infrastructure Engineering</i> , 1-14	2.9	3