

Rodrigo Sarlo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

134
citations

1307366

7
h-index

1281743

11
g-index

17
all docs

17
docs citations

17
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated extraction of structural beam lines and connections from point clouds of steel buildings. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 110-125.	6.3	10
2	A general framework for supervised structural health monitoring and sensor output validation mitigating data imbalance with generative adversarial networks-generated high-dimensional features. <i>Structural Health Monitoring</i> , 2022, 21, 1167-1182.	4.3	10
3	Toward a general unsupervised novelty detection framework in structural health monitoring. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 1128-1145.	6.3	30
4	A system reliability approach to real-time unsupervised structural health monitoring without prior information. <i>Mechanical Systems and Signal Processing</i> , 2022, 171, 108913.	4.4	15
5	Application of Smartphones in Pavement Profile Estimation Using SDOF Model-Based Noisy Deconvolution. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-13.	0.4	1
6	Automatic evaluation of rebar spacing using LiDAR data. <i>Automation in Construction</i> , 2021, 131, 103890.	4.8	12
7	Mast Arm Monitoring via Traffic Camera Footage: A Pixel-Based Modal Analysis Approach. <i>Experimental Techniques</i> , 2021, 45, 329-343.	0.9	3
8	3D Modal Analysis of a Loaded Tire with Binary Random Noise Excitation. <i>Tire Science and Technology</i> , 2020, 48, 207-223.	0.3	1
9	Modal Parameter Uncertainty Estimates as a Tool for Automated Operational Modal Analysis: Applications to a Smart Building. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 177-182.	0.3	2
10	Improved model correlation through optimal parameter ranking using model reduction algorithms: Augmenting engineering judgment. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4716-4739.	1.5	3
11	High resolution operational modal analysis on a five-story smart building under wind and human induced excitation. <i>Engineering Structures</i> , 2018, 176, 279-292.	2.6	30
12	Operational modal analysis of a steel-frame, low-rise building with L-shaped construction. , 2017, , .		2
13	Optimal Parameter Identification for Model Correlation Using Model Reduction Methods. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 281-292.	0.3	5
14	Flow field sensing with bio-inspired artificial hair cell arrays. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 805-814.	4.0	10
15	A Neural Network Approach to 3D Printed Surrogate Systems. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 215-222.	0.3	0
16	Spectral Analysis and Characterization of a Membrane-Based Artificial Hair Cell Sensor. , 2014, , .		0