

Carlos Moutinho

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

747
citations

623734

14
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent perspectives in dynamic testing and monitoring of bridges. <i>Structural Control and Health Monitoring</i> , 2013, 20, 853-877.	4.0	114
2	Studies for controlling human-induced vibration of the Pedro e In�as footbridge, Portugal. Part 2: Implementation of tuned mass dampers. <i>Engineering Structures</i> , 2010, 32, 1082-1091.	5.3	111
3	Studies for controlling human-induced vibration of the Pedro e In�as footbridge, Portugal. Part 1: Assessment of dynamic behaviour. <i>Engineering Structures</i> , 2010, 32, 1069-1081.	5.3	109
4	Continuous dynamic monitoring of a lively footbridge for serviceability assessment and damage detection. <i>Mechanical Systems and Signal Processing</i> , 2012, 33, 38-55.	8.0	64
5	An alternative methodology for designing tuned mass dampers to reduce seismic vibrations in building structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2012, 41, 2059-2073.	4.4	41
6	Vibration control of a slender footbridge using passive and semiactive tuned mass dampers. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2208.	4.0	34
7	Analysis of dynamic and fatigue effects in an old metallic riveted bridge. <i>Journal of Constructional Steel Research</i> , 2014, 99, 85-101.	3.9	30
8	LabVIEW toolkits for output-only modal identification and long-term dynamic structural monitoring. <i>Structure and Infrastructure Engineering</i> , 2010, 6, 557-574.	3.7	28
9	Testing a simple control law to reduce broadband frequency harmonic vibrations using semi-active tuned mass dampers. <i>Smart Materials and Structures</i> , 2015, 24, 055007.	3.5	24
10	Use of semi-active tuned mass dampers to control footbridges subjected to synchronous lateral excitation. <i>Journal of Sound and Vibration</i> , 2019, 446, 176-194.	3.9	23
11	Proposal of optimum tuning of semiactive TMDs used to reduce harmonic vibrations based on phase control strategy. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2131.	4.0	22
12	On-board data synchronization in wireless structural health monitoring systems based on phase locking. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2248.	4.0	19
13	An artificial accelerogram generator code written in Matlab. <i>Engineering Reports</i> , 2020, 2, e12129.	1.7	19
14	Analysis and control of vibrations in a stress-ribbon footbridge. <i>Structural Control and Health Monitoring</i> , 2011, 18, 619-634.	4.0	18
15	Dynamic identification and continuous dynamic monitoring of bridges: different applications along bridges life cycle. <i>Structure and Infrastructure Engineering</i> , 2018, 14, 445-467.	3.7	15
16	Vandal Loads and Induced Vibrations on a Footbridge. <i>Journal of Bridge Engineering</i> , 2011, 16, 375-382.	2.9	13
17	Modal identification of concrete dams under natural excitation. <i>Journal of Civil Structural Health Monitoring</i> , 2021, 11, 465-484.	3.9	13
18	Continuous Dynamic Monitoring of Human-Induced Vibrations at the Luiz I Bridge. <i>Journal of Bridge Engineering</i> , 2020, 25, .	2.9	9

#	ARTICLE	IF	CITATIONS
19	Vibration-Based Monitoring of Wind Turbines: Influence of Layout and Noise of Sensors. Energies, 2021, 14, 441.	3.1	8
20	Continuous dynamic monitoring of a large-span arch bridge with wireless nodes based on MEMS accelerometers. Structural Control and Health Monitoring, 2022, 29, .	4.0	8
21	Active human-structure interaction during jumping on floors. Structural Control and Health Monitoring, 2020, 27, e2466.	4.0	6
22	Continuous Dynamic Monitoring of Bridges: Different Perspectives of Application. Advanced Materials Research, 2013, 745, 89-99.	0.3	5
23	Analysis of Stiffness of Clamped Joints versus Bolted Joints in Steel Structures by Means of Accelerometers and Shaking Table Tests. Sensors, 2021, 21, 4778.	3.8	4
24	Biodynamic modelling of human rhythmic activities. Procedia Engineering, 2017, 199, 2802-2807.	1.2	3
25	Monitoring of Environmental Effects on Modal Estimates of Large Structures. , 2012, , .		2
26	Local Fatigue Analysis using a Long Term Monitoring System at the Trezã Railway Bridge. , 0, , .		2
27	Dynamic monitoring of civil engineering structures. , 2015, , .		1
28	ANALYSIS OF THE VIBRATION LEVELS OF A SLENDER FOOTBRIDGE MEASURED BY A CONTINUOUS DYNAMIC MONITORING SYSTEM. , 2015, , .		1
29	Continuous dynamic monitoring of lively footbridges. IABSE Symposium Report, 2015, , .	0.0	1
30	Dynamic monitoring of lively footbridges. , 2015, , .		0
31	Dynamic Testing and Continuous Dynamic Monitoring of Transportation, Stadia and Energy Infrastructures. Lecture Notes in Civil Engineering, 2021, , 15-55.	0.4	0
32	Application of the Tuned Mass Damper Concept to the Modelling of Pedestrian-Structure Interaction. , 2017, , .		0