

Helder Sousa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1585699/publications.pdf>

Version: 2024-02-01

20
papers

263
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Value of information of a pro-active SHM-based tool supported by advanced FE models and Bayesian statistics towards efficiency in bridge management. Structure and Infrastructure Engineering, 2022, 18, 554-572.	3.7	1
2	Evidence on the value of information towards decision-makers. Structure and Infrastructure Engineering, 2022, 18, 439-440.	3.7	5
3	Multiscale modelling of the long-term performance of prestressed concrete structures – Case studies on T-Girder beams. Engineering Structures, 2021, 231, 111761.	5.3	3
4	A novel pro-active approach towards SHM-based bridge management supported by FE analysis and Bayesian methods. Structure and Infrastructure Engineering, 2020, 16, 233-246.	3.7	18
5	European review of performance indicators towards sustainable road bridge management. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2020, 173, 109-124.	0.7	11
6	Advanced FE modeling supported by monitoring toward management of large civil infrastructures: The case study of LezÁria Bridge. Structural Concrete, 2020, 21, 1309-1320.	3.1	9
7	Control of long-term deflections of RC beams using reinforcements and low-shrinkage concrete. Proceedings of the Institution of Civil Engineers: Bridge Engineering, 2020, 173, 63-77.	0.6	1
8	Quantifying monitoring requirements for predicting creep deformations through Bayesian updating methods. Structural Safety, 2019, 76, 40-50.	5.3	17
9	Novel semi-analytical model to calculate shear forces due to viscoelastic interactions. Engineering Structures, 2019, 183, 999-1013.	5.3	3
10	A pro-active concept in asset management supported by the quantified Value of Structural Health Monitoring. , 2019, , .		0
11	An information value guide for infrastructure design and operation executives – fundamental idea & concept. IABSE Symposium Report, 2019, , .	0.0	3
12	Sparse representation approach to data compression for strain-based traffic load monitoring: A comparative study. Measurement: Journal of the International Measurement Confederation, 2018, 122, 630-637.	5.0	17
13	ASSESSMENT OF TRAFFIC LOAD EVENTS AND STRUCTURAL EFFECTS ON ROAD BRIDGES BASED ON STRAIN MEASUREMENTS. Journal of Civil Engineering and Management, 2015, 22, 457-469.	3.5	15
14	Assessment and Management of Concrete Bridges Supported by Monitoring Data-Based Finite-Element Modeling. Journal of Bridge Engineering, 2014, 19, .	2.9	22
15	Construction assessment and long-term prediction of prestressed concrete bridges based on monitoring data. Engineering Structures, 2013, 52, 26-37.	5.3	43
16	Long-term monitoring and assessment of a precast continuous viaduct. Structure and Infrastructure Engineering, 2013, 9, 777-793.	3.7	8
17	Bridge deflection evaluation using strain and rotation measurements. Smart Structures and Systems, 2013, 11, 365-386.	1.9	41
18	Numerical Evaluation of the Long-Term Behavior of Precast Continuous Bridge Decks. Journal of Bridge Engineering, 2012, 17, 89-96.	2.9	23

#	ARTICLE	IF	CITATIONS
19	Design and implementation of a monitoring system applied to a long-span prestressed concrete bridge. Structural Concrete, 2011, 12, 82-93.	3.1	21
20	A practical guide on the quantification of value of information gained by structural health monitoring and application to historic masonry structures. Structure and Infrastructure Engineering, 0, , 1-15.	3.7	1