

JÃ³natas ValenÃ§a

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

795
citations

623188

14
h-index

500791

28
g-index

39
all docs

39
docs citations

39
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology for the restoration of heritage built in exposed concrete. The case study of "Piscina das Marãs"™, Portugal. <i>Construction and Building Materials</i> , 2022, 328, 127040.	3.2	5
2	Chromatic design and application of restoration mortars on smooth surfaces of white and GRAY concrete. <i>Structural Concrete</i> , 2021, 22, E535.	1.5	6
3	Design and Durability Assessment of Restoring Mortar for Concrete Heritage. <i>Materials</i> , 2021, 14, 4508.	1.3	6
4	Evaluation of the shear transfer mechanisms in reinforced concrete beams using photogrammetry. <i>Structural Concrete</i> , 2020, 21, 333-348.	1.5	5
5	Assessment of plastic rotation and applied load in reinforced concrete, steel and timber beams using image-based analysis. <i>Engineering Structures</i> , 2019, 198, 109519.	2.6	4
6	Colored concrete restoration method: For chromatic design and application of restoration mortars on smooth surfaces of colored concrete. <i>Structural Concrete</i> , 2019, 20, 1391-1401.	1.5	11
7	A new method for corrosion assessment of reinforcing bars based on close-range photogrammetry: Experimental validation. <i>Structural Concrete</i> , 2019, 20, 996-1009.	1.5	11
8	Automatic mapping of cracking patterns on concrete surfaces with biological stains using hyper-spectral images processing. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2320.	1.9	26
9	Strain monitoring on pre-stressed CFRP laminates through computer vision. , 2019, , .		0
10	Aerial Crack View: Crack monitoring in concrete bridges through image processing acquired by UAV. , 2019, , .		1
11	MCrack-Dam: the scale-up of a method to assess cracks on concrete dams by image processing. The case study of Itaipu Dam, at the Brazil-Paraguay border. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 857-866.	2.0	16
12	Innovative Method for Automatic Shape Generation and 3D Printing of Reduced-Scale Models of Ultra-Thin Concrete Shells. <i>Infrastructures</i> , 2018, 3, 5.	1.4	5
13	Behavior of reinforced concrete frame with masonry infill wall subjected to vertical load. <i>Engineering Structures</i> , 2018, 171, 476-487.	2.6	46
14	Monitoring Cracks on Concrete Surfaces using Multi-temporal Images. <i>IABSE Symposium Report</i> , 2018, , .	0.0	0
15	Classification of cracks of biological colonization on concrete surface using false colour HSV images, including near-infrared information. , 2018, , .		1
16	Crack propagation monitoring using an image deformation approach. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1973.	1.9	22
17	Method for assessing beam column joints in RC structures using photogrammetric computer vision. <i>Structural Control and Health Monitoring</i> , 2017, 24, e2013.	1.9	14
18	Influence of concrete strength and steel fibre geometry on the fibre/matrix interface. <i>Composites Part B: Engineering</i> , 2017, 122, 156-164.	5.9	79

#	ARTICLE	IF	CITATIONS
19	Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. Construction and Building Materials, 2017, 146, 668-678.	3.2	131
20	Experimental evaluation of lightweight aggregate concrete beam-column joints with different strengths and reinforcement ratios. Structural Concrete, 2017, 18, 950-961.	1.5	10
21	Detection of cracks on concrete surfaces by hyperspectral image processing. Proceedings of SPIE, 2017, , .	0.8	3
22	Vision-SHM method for structural monitoring based on photogrammetric computer vision. , 2017, , .		1
23	The MCrack-TLS method for assessing cracks on concrete bridges based on image processing and laser scanning. , 2016, , .		0
24	Assessing steel strains on reinforced concrete members from surface cracking patterns. Construction and Building Materials, 2015, 98, 265-275.	3.2	25
25	Patch Restoration Method: A new concept for concrete heritage. Construction and Building Materials, 2015, 101, 643-651.	3.2	13
26	An Efficient Technique for Surface Strain Recovery from Photogrammetric Data using Meshless Interpolation. Strain, 2014, 50, 132-146.	1.4	11
27	Automatic concrete health monitoring: assessment and monitoring of concrete surfaces. Structure and Infrastructure Engineering, 2014, 10, 1547-1554.	2.0	31
28	Curvature assessment of reinforced concrete beams using photogrammetric techniques. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1745-1760.	1.3	23
29	Longitudinal reinforcement ratio in lightweight aggregate concrete beams. Engineering Structures, 2014, 81, 219-229.	2.6	22
30	Applications and methods based on multi-spectral image processing to Concrete Heritage assessment. , 2014, , .		1
31	Damage assessment on concrete surfaces using multi-spectral image analysis. Construction and Building Materials, 2013, 40, 971-981.	3.2	40
32	Automatic crack monitoring using photogrammetry and image processing. Measurement: Journal of the International Measurement Confederation, 2013, 46, 433-441.	2.5	83
33	Plastic rotation and tension stiffening effect analysis in beams using photogrammetry. Revista IBRACON De Estruturas E Materiais, 2013, 6, 475-498.	0.3	1
34	Characterisation of concrete cracking during laboratorial tests using image processing. Construction and Building Materials, 2012, 28, 607-615.	3.2	58
35	Applications of Photogrammetry to Structural Assessment. Experimental Techniques, 2012, 36, 71-81.	0.9	51
36	Laboratorial test monitoring applying photogrammetric post-processing procedures to surface displacements. Measurement: Journal of the International Measurement Confederation, 2011, 44, 527-538.	2.5	30

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37	Conservation requirements for concrete heritage. The case study of the buildings of the FundaÃ§Ã£o Calouste Gulbenkian in Lisbon. , 2010, , 439-440.		1
38	Systems based on photogrammetry to evaluation of built heritage: tentative guidelines and control parameters. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5, 607-613.	0.2	2