

# 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	Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. <i>Construction and Building Materials</i> , 2017, 146, 668-678.	3.2	131
2	Automatic crack monitoring using photogrammetry and image processing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 433-441.	2.5	83
3	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
4	Characterisation of concrete cracking during laboratorial tests using image processing. <i>Construction and Building Materials</i> , 2012, 28, 607-615.	3.2	58
5	Applications of Photogrammetry to Structural Assessment. <i>Experimental Techniques</i> , 2012, 36, 71-81.	0.9	51
6	Behavior of reinforced concrete frame with masonry infill wall subjected to vertical load. <i>Engineering Structures</i> , 2018, 171, 476-487.	2.6	46
7	Damage assessment on concrete surfaces using multi-spectral image analysis. <i>Construction and Building Materials</i> , 2013, 40, 971-981.	3.2	40
8	Automatic concrete health monitoring: assessment and monitoring of concrete surfaces. <i>Structure and Infrastructure Engineering</i> , 2014, 10, 1547-1554.	2.0	31
9	Laboratorial test monitoring applying photogrammetric post-processing procedures to surface displacements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011, 44, 527-538.	2.5	30
10	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
11	Assessing steel strains on reinforced concrete members from surface cracking patterns. <i>Construction and Building Materials</i> , 2015, 98, 265-275.	3.2	25
12	Curvature assessment of reinforced concrete beams using photogrammetric techniques. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1745-1760.	1.3	23
13	Longitudinal reinforcement ratio in lightweight aggregate concrete beams. <i>Engineering Structures</i> , 2014, 81, 219-229.	2.6	22
14	Crack propagation monitoring using an image deformation approach. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1973.	1.9	22
15	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
16	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
17	Patch Restoration Method: A new concept for concrete heritage. <i>Construction and Building Materials</i> , 2015, 101, 643-651.	3.2	13
18	An Efficient Technique for Surface Strain Recovery from Photogrammetric Data using Meshless Interpolation. <i>Strain</i> , 2014, 50, 132-146.	1.4	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Experimental evaluation of lightweight aggregate concrete beam-column joints with different strengths and reinforcement ratios. <i>Structural Concrete</i> , 2017, 18, 950-961.	1.5	10
22	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
23	Design and Durability Assessment of Restoring Mortar for Concrete Heritage. <i>Materials</i> , 2021, 14, 4508.	1.3	6
24	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
25	Evaluation of the shear transfer mechanisms in reinforced concrete beams using photogrammetry. <i>Structural Concrete</i> , 2020, 21, 333-348.	1.5	5
26	Methodology for the restoration of heritage built in exposed concrete. The case study of "Piscina das MarÃs", Portugal. <i>Construction and Building Materials</i> , 2022, 328, 127040.	3.2	5
27	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
28	Detection of cracks on concrete surfaces by hyperspectral image processing. <i>Proceedings of SPIE</i> , 2017, , .	0.8	3
29	Systems based on photogrammetry to evaluation of built heritage: tentative guidelines and control parameters. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-5, 607-613.	0.2	2
30	Applications and methods based on multi-spectral image processing to Concrete Heritage assessment. , 2014, , .		1
31	Plastic rotation and tension stiffening effect analysis in beams using photogrammetry. <i>Revista IBRACON De Estruturas E Materiais</i> , 2013, 6, 475-498.	0.3	1
32	Vision-SHM method for structural monitoring based on photogrammetric computer vision. , 2017, , .		1
33	Conservation requirements for concrete heritage. The case study of the buildings of the FundaÃo Calouste Gulbenkian in Lisbon. , 2010, , 439-440.		1
34	Classification of cracks of biological colonization on concrete surface using false colour HSV images, including near-infrared information. , 2018, , .		1
35	Aerial Crack View: Crack monitoring in concrete bridges through image processing acquired by UAV. , 2019, , .		1
36	The MCrack-TLS method for assessing cracks on concrete bridges based on image processing and laser scanning. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Monitoring Cracks on Concrete Surfaces using Multi-temporal Images. IABSE Symposium Report, 2018, , .	0.0	0
38	Strain monitoring on pre-stressed CFRP laminates through computer vision. , 2019, , .		0