

# Jonatas Valena

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

497  
citations

12  
h-index

21  
g-index

39  
ext. papers

629  
ext. citations

4.1  
avg, IF

3.98  
L-index

#	Paper	IF	Citations
30	Methodology for the restoration of heritage built in exposed concrete. The case study of Biscina das Març Portugal. <i>Construction and Building Materials</i> , <b>2022</b> , 328, 127040	6.7	1
29	Chromatic design and application of restoration mortars on smooth surfaces of white and GRAY concrete. <i>Structural Concrete</i> , <b>2021</b> , 22, E535	2.6	4
28	Design and Durability Assessment of Restoring Mortar for Concrete Heritage. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
27	Evaluation of the shear transfer mechanisms in reinforced concrete beams using photogrammetry. <i>Structural Concrete</i> , <b>2020</b> , 21, 333-348	2.6	1
26	Assessment of plastic rotation and applied load in reinforced concrete, steel and timber beams using image-based analysis. <i>Engineering Structures</i> , <b>2019</b> , 198, 109519	4.7	2
25	Colored concrete restoration method: For chromatic design and application of restoration mortars on smooth surfaces of colored concrete. <i>Structural Concrete</i> , <b>2019</b> , 20, 1391-1401	2.6	4
24	A new method for corrosion assessment of reinforcing bars based on close-range photogrammetry: Experimental validation. <i>Structural Concrete</i> , <b>2019</b> , 20, 996-1009	2.6	5
23	Automatic mapping of cracking patterns on concrete surfaces with biological stains using hyper-spectral images processing. <i>Structural Control and Health Monitoring</i> , <b>2019</b> , 26, e2320	4.5	12
22	Innovative Method for Automatic Shape Generation and 3D Printing of Reduced-Scale Models of Ultra-Thin Concrete Shells. <i>Infrastructures</i> , <b>2018</b> , 3, 5	2.6	2
21	Behavior of reinforced concrete frame with masonry infill wall subjected to vertical load. <i>Engineering Structures</i> , <b>2018</b> , 171, 476-487	4.7	27
20	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 BrazilParaguay border. <i>Journal of Civil Structural Health Monitoring</i> , <b>2018</b> , 8, 857-866	2.9	3
19	Crack propagation monitoring using an image deformation approach. <i>Structural Control and Health Monitoring</i> , <b>2017</b> , 24, e1973	4.5	9
18	Method for assessing beam column joints in RC structures using photogrammetric computer vision. <i>Structural Control and Health Monitoring</i> , <b>2017</b> , 24, e2013	4.5	8
17	Influence of concrete strength and steel fibre geometry on the fibre/matrix interface. <i>Composites Part B: Engineering</i> , <b>2017</b> , 122, 156-164	10	52
16	Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. <i>Construction and Building Materials</i> , <b>2017</b> , 146, 668-678	6.7	78
15	Experimental evaluation of lightweight aggregate concrete beamcolumn joints with different strengths and reinforcement ratios. <i>Structural Concrete</i> , <b>2017</b> , 18, 950-961	2.6	6
14	Detection of cracks on concrete surfaces by hyperspectral image processing <b>2017</b> ,		2

13	Assessing steel strains on reinforced concrete members from surface cracking patterns. <i>Construction and Building Materials</i> , <b>2015</b> , 98, 265-275	6.7	16
12	Patch Restoration Method: A new concept for concrete heritage. <i>Construction and Building Materials</i> , <b>2015</b> , 101, 643-651	6.7	11
11	Longitudinal reinforcement ratio in lightweight aggregate concrete beams. <i>Engineering Structures</i> , <b>2014</b> , 81, 219-229	4.7	14
10	An Efficient Technique for Surface Strain Recovery from Photogrammetric Data using Meshless Interpolation. <i>Strain</i> , <b>2014</b> , 50, 132-146	1.7	7
9	Automatic concrete health monitoring: assessment and monitoring of concrete surfaces. <i>Structure and Infrastructure Engineering</i> , <b>2014</b> , 10, 1547-1554	2.9	22
8	Curvature assessment of reinforced concrete beams using photogrammetric techniques. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2014</b> , 47, 1745-1760	3.4	15
7	Damage assessment on concrete surfaces using multi-spectral image analysis. <i>Construction and Building Materials</i> , <b>2013</b> , 40, 971-981	6.7	27
6	Automatic crack monitoring using photogrammetry and image processing. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 433-441	4.6	57
5	Plastic rotation and tension stiffening effect analysis in beams using photogrammetry. <i>Revista IBRACON De Estruturas E Materiais</i> , <b>2013</b> , 6, 475-498	0.5	1
4	Characterisation of concrete cracking during laboratorial tests using image processing. <i>Construction and Building Materials</i> , <b>2012</b> , 28, 607-615	6.7	40
3	Applications of Photogrammetry to Structural Assessment. <i>Experimental Techniques</i> , <b>2012</b> , 36, 71-81	1.4	39
2	Laboratorial test monitoring applying photogrammetric post-processing procedures to surface displacements. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2011</b> , 44, 527-538	4.6	26
1	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> , XL-5, 607-613	2.5	2