

# Francisco Barros

## List of Publications by Year in descending order

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18  
papers

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1478505

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18  
docs citations

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142  
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#	ARTICLE	IF	CITATIONS
1	Displacement monitoring of a pedestrian bridge using 3D digital image correlation. <i>Procedia Structural Integrity</i> , 2022, 37, 880-887.	0.8	4
2	Displacement monitoring of crossbeams in an airport runway extension using digital image correlation. <i>Procedia Structural Integrity</i> , 2022, 37, 159-166.	0.8	1
3	Numerical study of hydrodynamic resistance on a sportive sprint hull. <i>Semina: Ciências Exatas E Tecnológicas</i> , 2021, 42, 131.	0.1	0
4	Experimental and Numerical Analysis of Deformation in a Rotating RC Helicopter Blade. <i>International Journal of Turbomachinery, Propulsion and Power</i> , 2020, 5, 13.	1.1	1
5	Damage detection in rotating objects using position-triggered thermography. <i>Engineering Failure Analysis</i> , 2020, 115, 104642.	4.0	2
6	A railway tunnel structural monitoring methodology proposal for predictive maintenance. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2587.	4.0	24
7	Experimental measurement of bridge deflection using Digital Image Correlation. <i>Procedia Structural Integrity</i> , 2019, 17, 806-811.	0.8	11
8	Displacement analysis of rotating RC helicopter blade using coupled CFD-FEA simulation and digital image correlation. <i>Procedia Structural Integrity</i> , 2019, 17, 812-821.	0.8	8
9	Application of 3D electronic speckle pattern interferometry for the analysis of thermal response in printed circuit boards. <i>Procedia Structural Integrity</i> , 2019, 17, 835-842.	0.8	3
10	Digital image correlation with a moving camera using structure from motion calibration. <i>Procedia Structural Integrity</i> , 2019, 17, 986-991.	0.8	4
11	Geometry Acquisition and 3D Modelling of a Wind Tower using a 3D Laser Scanning Technology. <i>Procedia Structural Integrity</i> , 2019, 17, 712-717.	0.8	3
12	A coupled 3D laser scanning and digital image correlation system for geometry acquisition and deformation monitoring of a railway tunnel. <i>Tunnelling and Underground Space Technology</i> , 2019, 91, 102995.	6.2	65
13	Advanced image based methods for structural integrity monitoring: Review and prospects. <i>AIP Conference Proceedings</i> , 2018, .	0.4	2
14	Digital image correlation displacement measurement of a rotating RC helicopter blade. <i>Engineering Failure Analysis</i> , 2018, 90, 371-379.	4.0	22
15	Robust reference system for Digital Image Correlation camera recalibration in fieldwork. <i>Procedia Structural Integrity</i> , 2018, 13, 1993-1998.	0.8	2
16	Digital image correlation through image registration in the frequency domain. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 575-583.	1.8	8
17	Displacement measurement and shape acquisition of an RC helicopter blade using Digital Image Correlation. <i>Procedia Structural Integrity</i> , 2017, 5, 1253-1259.	0.8	19
18	A DFT-based method for 3D digital image correlation. <i>Procedia Structural Integrity</i> , 2017, 5, 1260-1266.	0.8	2