Pedro J Sousa

List of Publications by Year
in descending order

30 papers	260 citations	1163117 8 h-index	996975 15 g-index
30 all docs	30 docs citations	30 times ranked	223 citing authors

#	ARTICLE	IF	CITATIONS
1	Crack tip monitoring by multiscale optical experimental techniques. International Journal of Fatigue, 2022, 155, 106610.	5.7	12
2	Electronic Speckle Pattern Interferometry for fatigue crack monitoring. Procedia Structural Integrity, 2022, 37, 873-879.	0.8	3
3	Displacement monitoring of a pedestrian bridge using 3D digital image correlation. Procedia Structural Integrity, 2022, 37, 880-887.	0.8	4
4	Displacement monitoring of crossbeams in an airport runway extension using digital image correlation. Procedia Structural Integrity, 2022, 37, 159-166.	0.8	1
5	Advancement on optical methods in stress dead-zone characterisation and SIF evaluation. Engineering Failure Analysis, 2022, 140, 106493.	4.0	3
6	Experimental and Numerical Analysis of Deformation in a Rotating RC Helicopter Blade. International Journal of Turbomachinery, Propulsion and Power, 2020, 5, 13.	1.1	1
7	Damage detection in rotating objects using position-triggered thermography. Engineering Failure Analysis, 2020, 115, 104642.	4.0	2
8	A railway tunnel structural monitoring methodology proposal for predictive maintenance. Structural Control and Health Monitoring, 2020, 27, e2587.	4.0	24
9	Experimental measurement of bridge deflection using Digital Image Correlation. Procedia Structural Integrity, 2019, 17, 806-811.	0.8	11
10	Displacement analysis of rotating RC helicopter blade using coupled CFD-FEA simulation and digital image correlation. Procedia Structural Integrity, 2019, 17, 812-821.	0.8	8
11	Development of LED-based illumination system for high-speed digital image correlation. Procedia Structural Integrity, 2019, 17, 828-834.	0.8	3
12	Application of 3D electronic speckle pattern interferometry for the analysis of thermal response in printed circuit boards. Procedia Structural Integrity, 2019, 17, 835-842.	0.8	3
13	Digital image correlation with a moving camera using structure from motion calibration. Procedia Structural Integrity, 2019, 17, 986-991.	0.8	4
14	Geometry Acquisition and 3D Modelling of a Wind Tower using a 3D Laser Scanning Technology. Procedia Structural Integrity, 2019, 17, 712-717.	0.8	3
15	A coupled 3D laser scanning and digital image correlation system for geometry acquisition and deformation monitoring of a railway tunnel. Tunnelling and Underground Space Technology, 2019, 91, 102995.	6.2	65
16	Advanced image based methods for structural integrity monitoring: Review and prospects. AIP Conference Proceedings, 2018, , .	0.4	2
17	Digital image correlation displacement measurement of a rotating RC helicopter blade. Engineering Failure Analysis, 2018, 90, 371-379.	4.0	22
18	Robust reference system for Digital Image Correlation camera recalibration in fieldwork. Procedia Structural Integrity, 2018, 13, 1993-1998.	0.8	2

#	Article	IF	Citations
19	Digital image correlation through image registration in the frequency domain. Journal of Strain Analysis for Engineering Design, 2018, 53, 575-583.	1.8	8
20	Correction of rigid body motion in deformation measurement of rotating objects. Measurement: Journal of the International Measurement Confederation, 2018, 129, 436-444.	5.0	7
21	Furvina inhibits the 3-oxo-C12-HSL-based quorum sensing system of <i>Pseudomonas aeruginosa</i> and QS-dependent phenotypes. Biofouling, 2017, 33, 156-168.	2.2	28
22	Displacement measurement and shape acquisition of an RC helicopter blade using Digital Image Correlation. Procedia Structural Integrity, 2017, 5, 1253-1259.	0.8	19
23	A DFT-based method for 3D digital image correlation. Procedia Structural Integrity, 2017, 5, 1260-1266.	0.8	2
24	NSensor â€" Wireless Sensor Network for Environmental Monitoring. International Journal of Interactive Mobile Technologies, 2017, 11, 25.	1.2	6
25	Assisted Creation and Deployment of Javascript Remote Experiments. International Journal of Online Engineering, 2016, 12, 22.	0.5	3
26	Modular System for Cold Storage Monitoring. International Journal of Online Engineering, 2016, 12, 46.	0.5	1
27	Virtual environment for instrumented glove. , 2016, , .		9
28	Monitoring system for cold storages. , 2015, , .		2
29	Wireless control and network management of door locks. , 2015, , .		2
30	Smartphone robot for high school students: RobHiSS. , 2015, , .		0