

Pedro J Sousa

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Furvina inhibits the 3-oxo-C12-HSL-based quorum sensing system of <i>Pseudomonas aeruginosa</i> and QS-dependent phenotypes. <i>Biofouling</i> , 2017, 33, 156-168.	2.2	28
3	A railway tunnel structural monitoring methodology proposal for predictive maintenance. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2587.	4.0	24
4	Digital image correlation displacement measurement of a rotating RC helicopter blade. <i>Engineering Failure Analysis</i> , 2018, 90, 371-379.	4.0	22
5	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
6	Crack tip monitoring by multiscale optical experimental techniques. <i>International Journal of Fatigue</i> , 2022, 155, 106610.	5.7	12
7	Experimental measurement of bridge deflection using Digital Image Correlation. <i>Procedia Structural Integrity</i> , 2019, 17, 806-811.	0.8	11
8	Virtual environment for instrumented glove. , 2016, , .		9
9	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
10	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
11	Correction of rigid body motion in deformation measurement of rotating objects. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 129, 436-444.	5.0	7
12	NSensor – Wireless Sensor Network for Environmental Monitoring. <i>International Journal of Interactive Mobile Technologies</i> , 2017, 11, 25.	1.2	6
13	Digital image correlation with a moving camera using structure from motion calibration. <i>Procedia Structural Integrity</i> , 2019, 17, 986-991.	0.8	4
14	Displacement monitoring of a pedestrian bridge using 3D digital image correlation. <i>Procedia Structural Integrity</i> , 2022, 37, 880-887.	0.8	4
15	Assisted Creation and Deployment of Javascript Remote Experiments. <i>International Journal of Online Engineering</i> , 2016, 12, 22.	0.5	3
16	Development of LED-based illumination system for high-speed digital image correlation. <i>Procedia Structural Integrity</i> , 2019, 17, 828-834.	0.8	3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Electronic Speckle Pattern Interferometry for fatigue crack monitoring. Procedia Structural Integrity, 2022, 37, 873-879.	0.8	3
20	Advancement on optical methods in stress dead-zone characterisation and SIF evaluation. Engineering Failure Analysis, 2022, 140, 106493.	4.0	3
21	Monitoring system for cold storages. , 2015, , .		2
22	Wireless control and network management of door locks. , 2015, , .		2
23	A DFT-based method for 3D digital image correlation. Procedia Structural Integrity, 2017, 5, 1260-1266.	0.8	2
24	Advanced image based methods for structural integrity monitoring: Review and prospects. AIP Conference Proceedings, 2018, , .	0.4	2
25	Robust reference system for Digital Image Correlation camera recalibration in fieldwork. Procedia Structural Integrity, 2018, 13, 1993-1998.	0.8	2
26	Damage detection in rotating objects using position-triggered thermography. Engineering Failure Analysis, 2020, 115, 104642.	4.0	2
27	Modular System for Cold Storage Monitoring. International Journal of Online Engineering, 2016, 12, 46.	0.5	1
28	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
29	Displacement monitoring of crossbeams in an airport runway extension using digital image correlation. Procedia Structural Integrity, 2022, 37, 159-166.	0.8	1
30	Smartphone robot for high school students: RobHiSS. , 2015, , .		0