

Marcin Malesa

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

319
citations

933447

10
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

264
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality Control of PET Bottles Caps with Dedicated Image Calibration and Deep Neural Networks. Sensors, 2021, 21, 501.	3.8	12
2	Online Correction of the Mutual Miscalibration of Multimodal VIS-IR Sensors and 3D Data on a UAV Platform for Surveillance Applications. Remote Sensing, 2019, 11, 2469.	4.0	2
3	Application of 3D Digital Image Correlation for Development and Validation of FEM Model of Self-Supporting Arch Structures. Applied Sciences (Switzerland), 2019, 9, 1305.	2.5	8
4	Hybrid GI-DIC measurement procedure for hierarchical assessment of strain fields. Measurement: Journal of the International Measurement Confederation, 2019, 134, 83-88.	5.0	4
5	Development and validation of an inverse method for identification of thermal characteristics of a short laser pulse. MATEC Web of Conferences, 2018, 240, 01021.	0.2	1
6	Application of complementary optical methods for strain investigation in composite high pressure vessel. Composite Structures, 2018, 203, 718-724.	5.8	22
7	The method of acquiring and processing 3D data from drones. , 2018, , .		1
8	Multi-camera digital image correlation method with distributed fields of view. Optics and Lasers in Engineering, 2017, 98, 198-204.	3.8	32
9	Investigations of high power laser beam interaction with composite materials by means of digital image correlation and thermography. , 2017, , .		3
10	Mobile version of Digital Image Correlation for deformation measurements of engineering objects. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-6.	0.4	0
11	Application of 3D digital image correlation for development and validation of FEM model of self-supporting metal plates structures. , 2016, , .		1
12	Non-destructive testing of industrial structures with the use of multi-camera Digital Image Correlation method. Engineering Failure Analysis, 2016, 69, 122-134.	4.0	39
13	Application of Multi-camera DIC System for Measurements of Industrial Structures. Procedia Engineering, 2015, 114, 453-460.	1.2	14
14	3D DIC tests of mirrors for the single-mirror small-size telescope of CTA. Experimental Astronomy, 2015, 39, 513-525.	3.7	2
15	Problems and solutions in measurements of engineering objects by means of digital image correlation. , 2015, , .		0
16	Application of 3D digital image correlation to track displacements and strains of canvas paintings exposed to relative humidity changes. Applied Optics, 2014, 53, 1739.	1.8	16
17	Multi-camera DIC system with spatial data stitching procedure for measurements of engineering objects. Photonics Letters of Poland, 2014, 6, .	0.4	0
18	Application of 3D digital image correlation in maintenance and process control in industry. Computers in Industry, 2013, 64, 1301-1315.	9.9	57

#	ARTICLE	IF	CITATIONS
19	Deformation measurements by digital image correlation with automatic merging of data distributed in time. Applied Optics, 2013, 52, 4681.	1.8	18
20	Multimodal inspection in power engineering and building industries: new challenges and solutions. Proceedings of SPIE, 2013, , .	0.8	0
21	Modified two-dimensional digital image correlation method with capability of merging of data distributed in time. Applied Optics, 2012, 51, 8641.	1.8	10
22	Application of Hybrid FEM-DIC Method for Assessment of Low Cost Building Structures. Experimental Mechanics, 2012, 52, 1297-1311.	2.0	26
23	Application of digital image correlation (DIC) for tracking deformations of paintings on canvas. , 2011, , .		8
24	Monitoring of civil engineering structures using Digital Image Correlation technique. EPJ Web of Conferences, 2010, 6, 31014.	0.3	36
25	Application of Image Based Methods for Monitoring and Measurements of Structures in Power Stations. Key Engineering Materials, 0, 518, 24-36.	0.4	6
26	Combining Digital Image Correlation and Thermal Measurements. Solid State Phenomena, 0, 240, 81-86.	0.3	1