

Ruben Balcaen

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

250
citations

1307594

7
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	DIC Challenge: Developing Images and Guidelines for Evaluating Accuracy and Resolution of 2D Analyses. <i>Experimental Mechanics</i> , 2018, 58, 1067-1099.	2.0	101
2	Stereo-DIC Uncertainty Quantification based on Simulated Images. <i>Experimental Mechanics</i> , 2017, 57, 939-951.	2.0	40
3	Stereo-DIC Calibration and Speckle Image Generator Based on FE Formulations. <i>Experimental Mechanics</i> , 2017, 57, 703-718.	2.0	38
4	Evaluation of Methodologies for Compensation of Out of Plane Motions in a 2D Digital Image Correlation Setup. <i>Strain</i> , 2015, 51, 357-369.	2.4	24
5	Closed-Loop Optimization of DIC Speckle Patterns Based on Simulated Experiments. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 4376-4386.	4.7	12
6	Influence of Camera Rotation on Stereo-DIC and Compensation Methods. <i>Experimental Mechanics</i> , 2018, 58, 1101-1114.	2.0	11
7	Sensitivity of in-Plane Strain Measurement to Calibration Parameter for out-of-Plane Specimen Rotations. <i>Experimental Mechanics</i> , 2018, 58, 1115-1132.	2.0	8
8	Stereo-DIC Uncertainty Estimation Using the Epipolar Constraint and Optimized Three Camera Triangulation. <i>Experimental Techniques</i> , 2018, 42, 115-120.	1.5	6
9	An Experimental Investigation on Uncertainty in Measuring Vibration Deflection Shapes With Digital Image Correlation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2826-2836.	4.7	6
10	Impact of motion blur on stereo digital image correlation with the focus on a drone-carried stereo rig. <i>Strain</i> , 2019, 55, e12300.	2.4	3
11	Update on the 2D-DIC Challenge: Results and Conclusions. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 81-84.	0.5	0