

Ruben Balcaen

List of Publications by Year in descending order

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11
papers

250
citations

1307594

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h-index

1281871

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12
all docs

12
docs citations

12
times ranked

200
citing authors

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