Martin Hagara

List of Publications by Year
in descending order

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36	312	1039406	940134
papers	citations	9	16
		h-index	g-index

37	37	37	242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of a Unique Device for Residual Stresses Quantification by the Drilling Method Combining the PhotoStress and Digital Image Correlation. Materials, 2021, 14, 314.	1.3	8
2	A Complex Review of the Possibilities of Residual Stress Analysis Using Moving 2D and 3D Digital Image Correlation System. Strojnicky Casopis, 2021, 71, 61-78.	0.3	3
3	Influence of Drift on Robot Repeatability and Its Compensation. Applied Sciences (Switzerland), 2021, 11, 10813.	1.3	11
4	Experimental Investigation of the Fatigue Lifespan of Anchor Bolts with Consideration of Loading History. Applied Sciences (Switzerland), 2021, 11, 11399.	1.3	0
5	Influence of the Approach Direction on the Repeatability of an Industrial Robot. Applied Sciences (Switzerland), 2020, 10, 8714.	1.3	13
6	Investigation of Snake Robot Locomotion Possibilities in a Pipe. Symmetry, 2020, 12, 939.	1.1	19
7	Analysis of the aspects of residual stresses quantification performed by 3D DIC combined with standardized hole-drilling method. Measurement: Journal of the International Measurement Confederation, 2019, 137, 238-256.	2.5	27
8	Modal analysis of the washing machine heater. AIP Conference Proceedings, 2019, , .	0.3	0
9	Development of the Device with a High Positioning Accuracy Serving for Residual Stress Quantification using Optical Methods. Acta Mechanica Slovaca, 2019, 23, 24-29.	0.1	2
10	The Use of Optical Methods in the Analysis of the Areas with Stress Concentration. Strojnicky Casopis, 2018, 68, 61-76.	0.3	8
11	A new procedure of modal parameter estimation for high-speed digital image correlation. Mechanical Systems and Signal Processing, 2017, 93, 66-79.	4.4	48
12	Stress Analysis Performed by Photoelasticity and Digital Image Correlation. Applied Mechanics and Materials, 2015, 816, 474-481.	0.2	1
13	The Influence of Sampling Frequency on the Results of Motion Analysis Performed by High-Speed Digital Image Correlation. Applied Mechanics and Materials, 2015, 816, 397-403.	0.2	4
14	New approach of fixation possibilities investigation for snake robot in the pipe. , 2015, , .		6
15	The Influence of Facet Size on the Accuracy of Modal Parameters Determined by Digital Image Correlation Technique. Applied Mechanics and Materials, 2014, 611, 496-500.	0.2	4
16	Experimental modal analysis performed by high-speed digital image correlation system. Measurement: Journal of the International Measurement Confederation, 2014, 50, 78-85.	2.5	63
17	Q-STRESS v.1.0â€“a Tool for Determination of Stress Fields Using Digital Image Correlation Systems. Procedia Engineering, 2014, 96, 136-142.	1.2	5
18	Influence of Different Random Pattern Creation Forms on the Results of Experimental Modal Analysis Performed by High-Speed Digital Image Correlation. Acta Mechanica Et Automatica, 2014, 8, 22-26.	0.3	2

#	Article	IF	Citations
19	Stress Analysis Performed in the Near Surrounding of Small Hole by a Digital Image Correlation Method. Acta Mechanica Slovaca, 2014, 18, 74-81.	0.1	4
20	Results and Experiences from the Application of Digital Image Correlation in Operational Modal Analysis. Acta Polytechnica Hungarica, 2013, 10, .	2.5	10
21	The Use of the Experimental Optical Technique for Investigation of Shear Strains of the Samples Exposed to Shear Stress Beyond the Yield Point. Procedia Engineering, 2012, 48, 264-272.	1.2	3
22	Experimental Identification of Modal Parameters of Thin Metal Sheets by using of DIC. Procedia Engineering, 2012, 48, 180-188.	1.2	14
23	Using High-speed Digital Image Correlation to Determine the Damping Ratio. Procedia Engineering, 2012, 48, 242-249.	1.2	15
24	Methodology for Experimental Analysis of Pipeline System Vibration. Procedia Engineering, 2012, 48, 613-620.	1.2	8
25	Impact Assessment of Calibration Parameters on Accuracy Method of Digital Image Correlation. Acta Mechanica Slovaca, 2012, 16, 6-12.	0.1	4
26	Strain Fields Identification of Chosen Cycling Helmets Types by Their Impact Loading. Acta Mechanica Slovaca, 2012, 16, 22-30.	0.1	3
27	An Application of High-speed Digital Image Correlation in Determination of Modal Parameters. Acta Mechanica Slovaca, 2011, 15, 6-12.	0.1	11
28	The Use of Modan 3D in Experimental Modal Analysis. Applied Mechanics and Materials, 0, 486, 36-41.	0.2	4
29	The Knowledge Acquired by Using of Optical Methods by Strain Fields Investigation. Applied Mechanics and Materials, 0, 486, 141-146.	0.2	1
30	Modal Analysis of the Manipulator Arm on the Mobile Chassis. Applied Mechanics and Materials, 0, 611, 472-477.	0.2	1
31	The Analysis of Different Stochastic Patterns during Loading in Plastic Area Using DIC Method. Applied Mechanics and Materials, 0, 611, 490-495.	0.2	1
32	A Comparison of Modern and Classical Experimental Methods of Mechanics in Strain Investigation. Applied Mechanics and Materials, 0, 611, 501-505.	0.2	2
33	An Investigation of the Temperature Influence on a Shift of Natural Frequencies Using Digital Image Correlation. Applied Mechanics and Materials, 0, 611, 506-510.	0.2	6
34	Identification of Coupled Mode Shapes Based on Complex Mode Indicator Function. Applied Mechanics and Materials, 0, 732, 183-186.	0.2	0
35	The Influence of Facet Size and Filtering on the Results of Strain Fieldsâ€™ Investigation Performed on Small Surfaces Using Digital Image Correlation. Applied Mechanics and Materials, 0, 732, 179-182.	0.2	1
36	Nonlinearity in Oscillations of Large Displacement Pendulum. Applied Mechanics and Materials, 0, 827, 205-208.	0.2	0