

Sijin Wu

List of Publications by Year in descending order

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papers

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docs citations

29
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of electronic speckle pattern interferometry (ESPI) for three dimensional displacement measurement. Chinese Journal of Mechanical Engineering (English Edition), 2014, 27, 1-13.	3.7	101
2	Digital Shearography for NDT: Phase Measurement Technique and Recent Developments. Applied Sciences (Switzerland), 2018, 8, 2662.	2.5	62
3	Enlarging the angle of view in Michelson-interferometer-based shearography by embedding a 4f system. Applied Optics, 2011, 50, 3789.	2.1	40
4	Real-time monitoring of phase maps of digital shearography. Optical Engineering, 2013, 52, 101902.	1.0	40
5	Digital shearography with in situ phase shift calibration. Optics and Lasers in Engineering, 2012, 50, 1260-1266.	3.8	31
6	Spatiotemporal three-dimensional phase unwrapping in digital speckle pattern interferometry. Optics Letters, 2016, 41, 1050.	3.3	23
7	Multi-perspective digital image correlation method using a single color camera. Science China Technological Sciences, 2018, 61, 61-67.	4.0	18
8	Synchronous measurement of three-dimensional deformations by multicamera digital speckle patterns interferometry. Optical Engineering, 2016, 55, 091408.	1.0	14
9	Spatial carrier color digital speckle pattern interferometry for absolute three-dimensional deformation measurement. Optical Engineering, 2017, 56, 066107.	1.0	12
10	Fast phase denoising using stationary wavelet transform in speckle pattern interferometry. Measurement Science and Technology, 2020, 31, 025205.	2.6	12
11	Precision roll angle measurement based on digital speckle pattern interferometry. Measurement Science and Technology, 2019, 30, 045005.	2.6	10
12	Stroboscopic digital shearographic system for vibration analysis of large-area object. Instruments and Experimental Techniques, 2014, 57, 493-498.	0.5	9
13	Universal optical setup for phase-shifting and spatial-carrier digital speckle pattern interferometry. Journal of the European Optical Society-Rapid Publications, 2016, 12, .	1.9	9
14	Adaptive DSPI phase denoising using mutual information and 2D variational mode decomposition. Measurement Science and Technology, 2018, 29, 045203.	2.6	9
15	Simultaneous Measurement of Three-Dimensional Displacement Gradients Using Tri-color Digital Shearography. Instruments and Experimental Techniques, 2021, 64, 165-171.	0.5	6
16	Simultaneous Measurement of In-Plane and Out-of-Plane Deformations Using Dual-Beam Spatial-Carrier Digital Speckle Pattern Interferometry. Applied Mechanics and Materials, 0, 782, 316-325.	0.2	5
17	Synchronous Measurement of Three-Dimensional Deformations Using Tri-Channel Spatial-Carrier Digital Speckle Pattern Interferometry. Applied Mechanics and Materials, 2017, 868, 316-322.	0.2	5
18	Dynamic measurement of first-order spatial derivatives of deformations by digital shearography. Instruments and Experimental Techniques, 2017, 60, 575-583.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Precise Detection of Wrist Pulse Using Digital Speckle Pattern Interferometry. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-7.	1.2	4
20	Non-contact and fast measurement of small roll angle using digital shearography. Optics and Lasers in Engineering, 2022, 150, 106846.	3.8	4
21	Temporal Polarization Phase-shifting for Digital Speckle Pattern Interferometry. Instruments and Experimental Techniques, 2019, 62, 537-541.	0.5	3
22	A Remote Subgrade Settlement Monitoring System Based on Optical Method. Urban Rail Transit, 2019, 5, 202-206.	1.8	3
23	Simulation Dataset Preparation and Hybrid Training for Deep Learning in Defect Detection Using Digital Shearography. Applied Sciences (Switzerland), 2022, 12, 6931.	2.5	3
24	Micro Deformation Measurement Using Temporal Phase-Shifting and Spatial-Carrier Digital Speckle Pattern Interferometry. , 0, , .		2
25	Improvement of the Classification Accuracy of Steady-State Visual Evoked Potential-Based Brain-Computer Interfaces by Combining L1-MCCA with SVM. Applied Sciences (Switzerland), 2021, 11, 11453.	2.5	2
26	Simultaneous and precision measurement of yaw and pitch using digital speckle pattern interferometry. Optical Engineering, 2021, 60, .	1.0	1
27	Determination of elastic modulus of quartz glass using digital speckle pattern interferometry. Journal of Optics (India), 2021, 50, 502-507.	1.7	1
28	Investigation of hidden diffuse surfaces using phase-shifting endoscopic digital speckle pattern interferometry. , 2015, , .		0
29	Simultaneous Measurement of Three-Dimensional Displacement Gradients Using Tri-Color Michelson-Type Digital Shearography: Comparison and Optimization of Optical Setups. , 0, , .		0