

# Sijin Wu

## List of Publications by Year in descending order

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29  
papers

434  
citations

933447

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h-index

752698

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

223  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Non-contact and fast measurement of small roll angle using digital shearography. Optics and Lasers in Engineering, 2022, 150, 106846.  | 3.8 | 4         |
| 2  | Simulation Dataset Preparation and Hybrid Training for Deep Learning in Defect Detection Using Digital Shearography. Applied Sciences (Switzerland), 2022, 12, 6931.                               | 2.5 | 3         |
| 3  | Simultaneous Measurement of Three-Dimensional Displacement Gradients Using Tri-color Digital Shearography. Instruments and Experimental Techniques, 2021, 64, 165-171.                             | 0.5 | 6         |
| 4  | Simultaneous and precision measurement of yaw and pitch using digital speckle pattern interferometry. Optical Engineering, 2021, 60, .   | 1.0 | 1         |
| 5  | Determination of elastic modulus of quartz glass using digital speckle pattern interferometry. Journal of Optics (India), 2021, 50, 502-507.   | 1.7 | 1         |
| 6  | 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         |
| 7  | Fast phase denoising using stationary wavelet transform in speckle pattern interferometry. Measurement Science and Technology, 2020, 31, 025205.   | 2.6 | 12        |
| 8  | Temporal Polarization Phase-shifting for Digital Speckle Pattern Interferometry. Instruments and Experimental Techniques, 2019, 62, 537-541.   | 0.5 | 3         |
| 9  | A Remote Subgrade Settlement Monitoring System Based on Optical Method. Urban Rail Transit, 2019, 5, 202-206.  | 1.8 | 3         |
| 10 | Precision roll angle measurement based on digital speckle pattern interferometry. Measurement Science and Technology, 2019, 30, 045005.  | 2.6 | 10        |
| 11 | Adaptive DSPI phase denoising using mutual information and 2D variational mode decomposition. Measurement Science and Technology, 2018, 29, 045203.  | 2.6 | 9         |
| 12 | Multi-perspective digital image correlation method using a single color camera. Science China Technological Sciences, 2018, 61, 61-67.   | 4.0 | 18        |
| 13 | Digital Shearography for NDT: Phase Measurement Technique and Recent Developments. Applied Sciences (Switzerland), 2018, 8, 2662.  | 2.5 | 62        |
| 14 | Precise Detection of Wrist Pulse Using Digital Speckle Pattern Interferometry. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-7.   | 1.2 | 4         |
| 15 | Spatial carrier color digital speckle pattern interferometry for absolute three-dimensional deformation measurement. Optical Engineering, 2017, 56, 066107.  | 1.0 | 12        |
| 16 | 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         |
| 17 | Dynamic measurement of first-order spatial derivatives of deformations by digital shearography. Instruments and Experimental Techniques, 2017, 60, 575-583.  | 0.5 | 5         |
| 18 | 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         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Synchronous measurement of three-dimensional deformations by multicamera digital speckle patterns interferometry. <i>Optical Engineering</i> , 2016, 55, 091408.                                     | 1.0 | 14        |
| 20 | Spatiotemporal three-dimensional phase unwrapping in digital speckle pattern interferometry. <i>Optics Letters</i> , 2016, 41, 1050.   | 3.3 | 23        |
| 21 | Investigation of hidden diffuse surfaces using phase-shifting endoscopic digital speckle pattern interferometry. , 2015, , .   |     | 0         |
| 22 | Review of electronic speckle pattern interferometry (ESPI) for three dimensional displacement measurement. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2014, 27, 1-13.      | 3.7 | 101       |
| 23 | Stroboscopic digital shearographic system for vibration analysis of large-area object. <i>Instruments and Experimental Techniques</i> , 2014, 57, 493-498.   | 0.5 | 9         |
| 24 | Real-time monitoring of phase maps of digital shearography. <i>Optical Engineering</i> , 2013, 52, 101902.   | 1.0 | 40        |
| 25 | Digital shearography with in situ phase shift calibration. <i>Optics and Lasers in Engineering</i> , 2012, 50, 1260-1266.  | 3.8 | 31        |
| 26 | Enlarging the angle of view in Michelson-interferometer-based shearography by embedding a 4f system. <i>Applied Optics</i> , 2011, 50, 3789.   | 2.1 | 40        |
| 27 | Simultaneous Measurement of In-Plane and Out-of-Plane Deformations Using Dual-Beam Spatial-Carrier Digital Speckle Pattern Interferometry. <i>Applied Mechanics and Materials</i> , 0, 782, 316-325. | 0.2 | 5         |
| 28 | Micro Deformation Measurement Using Temporal Phase-Shifting and Spatial-Carrier Digital Speckle Pattern Interferometry. , 0, , .   |     | 2         |
| 29 | Simultaneous Measurement of Three-Dimensional Displacement Gradients Using Tri-Color Michelson-Type Digital Shearography: Comparison and Optimization of Optical Setups. , 0, , .                    |     | 0         |