

Yajun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,690
citations

394421

19
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

517
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Novel phase-coding method for absolute phase retrieval. <i>Optics Letters</i> , 2012, 37, 2067. | 3.3 | 186 |
| 2 | Three-dimensional shape measurement with binary dithered patterns. <i>Applied Optics</i> , 2012, 51, 6631. | 1.8 | 142 |
| 3 | Optimal pulse width modulation for sinusoidal fringe generation with projector defocusing. <i>Optics Letters</i> , 2010, 35, 4121. | 3.3 | 130 |
| 4 | Superfast multifrequency phase-shifting technique with optimal pulse width modulation. <i>Optics Express</i> , 2011, 19, 5149. | 3.4 | 128 |
| 5 | Some recent advances on superfast 3D shape measurement with digital binary defocusing techniques. <i>Optics and Lasers in Engineering</i> , 2014, 54, 236-246. | 3.8 | 123 |
| 6 | 3D absolute shape measurement of live rabbit hearts with a superfast two-frequency phase-shifting technique. <i>Optics Express</i> , 2013, 21, 5822. | 3.4 | 107 |
| 7 | 3D shape measurement technique for multiple rapidly moving objects. <i>Optics Express</i> , 2011, 19, 8539. | 3.4 | 87 |
| 8 | Comparison of the squared binary, sinusoidal pulse width modulation, and optimal pulse width modulation methods for three-dimensional shape measurement with projector defocusing. <i>Applied Optics</i> , 2012, 51, 861. | 1.8 | 58 |
| 9 | Quantized phase coding and connected region labeling for absolute phase retrieval. <i>Optics Express</i> , 2016, 24, 28613. | 3.4 | 56 |
| 10 | Motion induced error reduction methods for phase shifting profilometry: A review. <i>Optics and Lasers in Engineering</i> , 2021, 141, 106573. | 3.8 | 45 |
| 11 | Motion induced phase error reduction using a Hilbert transform. <i>Optics Express</i> , 2018, 26, 34224. | 3.4 | 43 |
| 12 | High-dynamic-range 3D shape measurement utilizing the transitioning state of digital micromirror device. <i>Optics and Lasers in Engineering</i> , 2018, 107, 176-181. | 3.8 | 40 |
| 13 | Dynamic three-dimensional shape measurement with a complementary phase-coding method. <i>Optics and Lasers in Engineering</i> , 2020, 127, 105982. | 3.8 | 38 |
| 14 | Object Detection Based on Global-Local Saliency Constraint in Aerial Images. <i>Remote Sensing</i> , 2020, 12, 1435. | 4.0 | 31 |
| 15 | Enhanced phase-coding method for three-dimensional shape measurement with half-period codeword. <i>Applied Optics</i> , 2019, 58, 7359. | 1.8 | 29 |
| 16 | Real-time motion-induced error compensation for 4-step phase-shifting profilometry. <i>Optics Express</i> , 2021, 29, 23822. | 3.4 | 27 |
| 17 | Double-pattern triangular pulse width modulation technique for high-accuracy high-speed 3D shape measurement. <i>Optics Express</i> , 2017, 25, 30177. | 3.4 | 22 |
| 18 | Two-Digit Phase-Coding Strategy for Fringe Projection Profilometry. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9. | 4.7 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Defocused camera calibration with a conventional periodic target based on Fourier transform. Optics Letters, 2019, 44, 3254. | 3.3 | 22 |
| 20 | Nonlinear Correction for Fringe Projection Profilometry With Shifted-Phase Histogram Equalization. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9. | 4.7 | 22 |
| 21 | DymSLAM: 4D Dynamic Scene Reconstruction Based on Geometrical Motion Segmentation. IEEE Robotics and Automation Letters, 2021, 6, 550-557. | 5.1 | 20 |
| 22 | Stereo calibration with absolute phase target. Optics Express, 2019, 27, 22254. | 3.4 | 20 |
| 23 | Real-time high-dynamic-range fringe acquisition for 3D shape measurement with a RGB camera. Measurement Science and Technology, 2019, 30, 075202. | 2.6 | 19 |
| 24 | Adaptive Binocular Fringe Dynamic Projection Method for High Dynamic Range Measurement. Sensors, 2019, 19, 4023. | 3.8 | 17 |
| 25 | Modified Gray-Level Coding Method for Absolute Phase Retrieval. Sensors, 2017, 17, 2383. | 3.8 | 16 |
| 26 | Spatial binary coding method for stripe-wise phase unwrapping. Applied Optics, 2020, 59, 4279. | 1.8 | 16 |
| 27 | High dynamic range 3D measurement based on spectral modulation and hyperspectral imaging. Optics Express, 2018, 26, 34442. | 3.4 | 16 |
| 28 | Hilbert transform-based crosstalk compensation for color fringe projection profilometry. Optics Letters, 2020, 45, 2199. | 3.3 | 16 |
| 29 | Improved phase-coding methods with fewer patterns for 3D shape measurement. Optics Communications, 2017, 401, 6-10. | 2.1 | 15 |
| 30 | Digital micromirror transient response influence on superfast 3D shape measurement. Optics and Lasers in Engineering, 2014, 58, 19-26. | 3.8 | 14 |
| 31 | Camera calibration with global LBP-coded phase-shifting wedge grating arrays. Optics and Lasers in Engineering, 2021, 136, 106314. | 3.8 | 14 |
| 32 | Motion-induced error reduction for binary defocusing profilometry via additional temporal sampling. Optics Express, 2019, 27, 23948. | 3.4 | 14 |
| 33 | Modified three-wavelength phase unwrapping algorithm for dynamic three-dimensional shape measurement. Optics Communications, 2021, 480, 126409. | 2.1 | 13 |
| 34 | Depth range enhancement of binary defocusing technique based on multi-frequency phase merging. Optics Express, 2019, 27, 36717. | 3.4 | 13 |
| 35 | Motion-induced error reduction for phase-shifting profilometry with phase probability equalization. Optics and Lasers in Engineering, 2022, 156, 107088. | 3.8 | 13 |
| 36 | Binarized dual phase-shifting method for high-quality 3D shape measurement. Applied Optics, 2018, 57, 6632. | 1.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Fourier-transform-based two-stage camera calibration method with simple periodical pattern. Optics and Lasers in Engineering, 2020, 133, 106121. | 3.8 | 12 |
| 38 | Single-Exposure Optical Measurement of Highly Reflective Surfaces via Deep Sinusoidal Prior for Complex Equipment Production. IEEE Transactions on Industrial Informatics, 2023, 19, 2039-2048. | 11.3 | 10 |
| 39 | U2-ONet: A Two-Level Nested Octave U-Structure Network with a Multi-Scale Attention Mechanism for Moving Object Segmentation. Remote Sensing, 2021, 13, 60. | 4.0 | 9 |
| 40 | Differentially Deep Subspace Representation for Unsupervised Change Detection of SAR Images. Remote Sensing, 2019, 11, 2740. | 4.0 | 8 |
| 41 | Active shape from projection defocus profilometry. Optics and Lasers in Engineering, 2020, 134, 106277. | 3.8 | 8 |
| 42 | Multilevel symmetric pattern design and optimization for high-speed and high-accuracy 3D shape measurement. Optics and Laser Technology, 2020, 126, 106103. | 4.6 | 8 |
| 43 | Two-wavelength phase-shifting method with four patterns for three-dimensional shape measurement. Optical Engineering, 2020, 59, 1. | 1.0 | 8 |
| 44 | Deep-learning-based adaptive camera calibration for various defocusing degrees. Optics Letters, 2021, 46, 5537. | 3.3 | 6 |
| 45 | Fringe Phase-Shifting Field Based Fuzzy Quotient Space-Oriented Partial Differential Equations Filtering Method for Gaussian Noise-Induced Phase Error. Sensors, 2019, 19, 5202. | 3.8 | 5 |
| 46 | Flexible Calibration Method of Electronically Focus-Tunable Lenses. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10. | 4.7 | 4 |
| 47 | Improved spatial-shifting two-wavelength algorithm for 3D shape measurement with a look-up table. Applied Optics, 2021, 60, 4878. | 1.8 | 4 |
| 48 | Intensity-Averaged Double Three-Step Phase-Shifting Algorithm with Color-Encoded Fringe Projection. Photonics, 2022, 9, 173. | 2.0 | 2 |
| 49 | Optimal carrier frequency selection for high-speed 3D shape measurement with double-pattern pulse width modulation techniques. , 2018, , . | | 0 |
| 50 | High dynamic range 3D shape measurement based on multispectral imaging. , 2019, , . | | 0 |
| 51 | Real-time high dynamic range 3D scanning with RGB camera. , 2019, , . | | 0 |