# Haofeng Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5956496/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 63 papers | 1,312 citations | 361413 20 h-index | 377865 34 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 751 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Underwater image recovery considering polarization effects of objects. Optics Express, 2016, 24, 9826. | 3.4 | 128 |
| 2 | CDnet: CNN-Based Cloud Detection for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6195-6211. | 6.3 | 118 |
| 3 | Polarimetric image recovery method combining histogram stretching for underwater imaging. Scientific Reports, 2018, 8, 12430. | 3.3 | 70 |
| 4 | Underwater Image Recovery Under the Nonuniform Optical Field Based on Polarimetric Imaging. IEEE Photonics Journal, 2018, 10, 1-9. | 2.0 | 60 |
| 5 | Polarimetric image recovery in turbid media employing circularly polarized light. Optics Express, 2018, 26, 25047. | 3.4 | 60 |
| 6 | Polarimetric underwater image recovery via deep learning. Optics and Lasers in Engineering, 2020, 133, 106152. | 3.8 | 51 |
| 7 | A High-Efficiency Multiple Events Discrimination Method in Optical Fiber Perimeter Security System. Journal of Lightwave Technology, 2015, 33, 4885-4890. | 4.6 | 50 |
| 8 | Learning-based denoising for polarimetric images. Optics Express, 2020, 28, 16309. | 3.4 | 48 |
| 9 | An Improved Positioning Algorithm With High Precision for Dual Machâ€“Zehnder Interferometry Disturbance Sensing System. Journal of Lightwave Technology, 2015, 33, 1954-1960. | 4.6 | 44 |
| 10 | A Modified Empirical Mode Decomposition Algorithm in TDLAS for Gas Detection. IEEE Photonics Journal, 2014, 6, 1-7. | 2.0 | 42 |
| 11 | IPLNet: a neural network for intensity-polarization imaging in low light. Optics Letters, 2020, 45, 6162. | 3.3 | 34 |
| 12 | Enhancing Visibility of Polarimetric Underwater Image by Transmittance Correction. IEEE Photonics Journal, 2017, 9, 1-10. | 2.0 | 33 |
| 13 | Temperature-Compensated Magnetostrictive Current Sensor Based on the Configuration of Dual Fiber Bragg Gratings. Journal of Lightwave Technology, 2017, 35, 4910-4915. | 4.6 | 32 |
| 14 | Contrast optimization in broadband passive polarimetric imaging. Optics Letters, 2014, 39, 6759. | 3.3 | 27 |
| 15 | Optimization of instrument matrix for Mueller matrix ellipsometry based on partial elements analysis of the Mueller matrix. Optics Express, 2017, 25, 18872. | 3.4 | 27 |
| 16 | Optimal distribution of integration time for intensity measurements in Stokes polarimetry. Optics Express, 2015, 23, 27690. | 3.4 | 24 |
| 17 | Polarimetric target detection under uneven illumination. Optics Express, 2015, 23, 23603. | 3.4 | 24 |
| 18 | Polarimetric Imaging Through Scattering Media: A Review. Frontiers in Physics, 2022, 10, . | 2.1 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High Sensitivity Fiber Optic SPR Refractive Index Sensor Based on Multimode-No-Core-Multimode Structure. IEEE Sensors Journal, 2020, 20, 2967-2975. | 4.7 | 23 |
| 20 | Automatic underwater polarization imaging without background region or any prior. Optics Express, 2021, 29, 31283. | 3.4 | 21 |
| 21 | Polarimetric underwater image recovery for color image with crosstalk compensation. Optics and Lasers in Engineering, 2020, 124, 105833. | 3.8 | 20 |
| 22 | Fundamental precision limits of full Stokes polarimeters based on DoFP polarization cameras for an arbitrary number of acquisitions. Optics Express, 2019, 27, 31261. | 3.4 | 20 |
| 23 | Underwater image restoration via Stokes decomposition. Optics Letters, 2022, 47, 2854. | 3.3 | 18 |
| 24 | Optimal distribution of integration time for intensity measurements in degree of linear polarization polarimetry. Optics Express, 2016, 24, 7191. | 3.4 | 17 |
| 25 | Underwater imaging enhancement based on a polarization filter and histogram attenuation prior. Journal Physics D: Applied Physics, 2021, 54, 175102. | 2.8 | 16 |
| 26 | Theory of autocalibration feasibility and precision in full Stokes polarization imagers. Optics Express, 2020, 28, 15268. | 3.4 | 16 |
| 27 | Optical Current Sensor With Dual-Wavelength Configuration for Improving Temperature Robustness. IEEE Photonics Journal, 2017, 9, 1-10. | 2.0 | 15 |
| 28 | Waveguide-integrated graphene spatial mode filters for on-chip mode-division multiplexing. Optics Express, 2019, 27, 19188. | 3.4 | 15 |
| 29 | Review of Fiber Mechanical and Thermal Multi-Parameter Measurement Technologies and Instrumentation. Journal of Lightwave Technology, 2021, 39, 3724-3739. | 4.6 | 14 |
| 30 | U<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup></mml:math>R-pGAN: Unpaired underwater-image recovery with polarimetric generative adversarial network. Optics and Lasers in Engineering, 2022, 157, 107112. | 3.8 | 14 |
| 31 | Precision of retardance autocalibration in full-Stokes division-of-focal-plane imaging polarimeters. Optics Letters, 2019, 44, 5410. | 3.3 | 13 |
| 32 | Temperature Compensation of Optical Fiber Current Sensors With a Static Bias. IEEE Sensors Journal, 2022, 22, 352-356. | 4.7 | 13 |
| 33 | An FBG Pressure Sensor Based on Spring-Diaphragm Elastic Structure for Ultimate Pressure Detection. IEEE Sensors Journal, 2022, 22, 2213-2220. | 4.7 | 13 |
| 34 | Graphene-based dual-mode modulators. Optics Express, 2020, 28, 18456. | 3.4 | 12 |
| 35 | Attention-based neural network for polarimetric image denoising. Optics Letters, 2022, 47, 2726. | 3.3 | 12 |
| 36 | Pseudo-polarimetric Method for Dense Haze Removal. IEEE Photonics Journal, 2019, 11, 1-11. | 2.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Integration time optimization and starting angle autocalibration of full Stokes imagers based on a rotating retarder. Optics Express, 2021, 29, 9494. | 3.4 | 11 |
| 38 | Optimal ellipsometric parameter measurement strategies based on four intensity measurements in presence of additive Gaussian and Poisson noise. Optics Express, 2018, 26, 34529. | 3.4 | 11 |
| 39 | Optimal design of high-power cascade co-pumping Er/Yb-codoped fiber lasers. Optics Letters, 2019, 44, 1100. | 3.3 | 11 |
| 40 | Performance of Maximum Likelihood estimation of Mueller matrices taking into account physical realizability and Gaussian or Poisson noise statistics. Optics Express, 2013, 21, 5117. | 3.4 | 10 |
| 41 | Physics-informed neural network for polarimetric underwater imaging. Optics Express, 2022, 30, 22512. | 3.4 | 10 |
| 42 | An Angle of Polarization (AoP) Visualization Method for DoFP Polarization Image Sensors Based on Three Dimensional HSI Color Space. Sensors, 2019, 19, 1713. | 3.8 | 9 |
| 43 | Contrast optimization in broadband passive polarimetric imaging based on color camera. Optics Express, 2019, 27, 2444. | 3.4 | 9 |
| 44 | Underwater Imaging by Suppressing the Backscattered Light Based on Mueller Matrix. IEEE Photonics Journal, 2021, 13, 1-6. | 2.0 | 8 |
| 45 | Multispectral Stokes Imaging Polarimetry Based on Color CCD. IEEE Photonics Journal, 2016, 8, 1-10. | 2.0 | 7 |
| 46 | Design of on-chip polarizers based on graphene-on-silicon nanowires. Applied Physics Express, 2019, 12, 072001. | 2.4 | 7 |
| 47 | NaYF<sub>4</sub>:Yb/Tm@SiO<sub>2</sub>-Dox/Cur-CS/OSA nanoparticles with pH and photon responses. Nanotechnology, 2021, 32, 255703. | 2.6 | 5 |
| 48 | Temperature compensation of optical alternating magnetic field sensor via a novel method for on-line measuring. Optics Express, 2020, 28, 13682. | 3.4 | 5 |
| 49 | Colorimetric discrimination for Stokes polarimetric imaging. Optics Express, 2017, 25, 3765. | 3.4 | 4 |
| 50 | When is retardance autocalibration of microgrid-based full Stokes imagers possible and useful?. Optics Letters, 2020, 45, 3474. | 3.3 | 4 |
| 51 | Optimal tradeoff between precision and sampling rate in DoFP imaging polarimeters. Optics Letters, 2019, 44, 5900. | 3.3 | 4 |
| 52 | Characterization method of a mid-infrared graphene-on-silicon microring with a monochromatic laser. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1683. | 2.1 | 3 |
| 53 | Influence of noise statistics on optimizing the distribution of integration time for degree of linear polarization polarimetry. Optical Engineering, 2018, 57, 1. | 1.0 | 3 |
| 54 | Impact of intensity integration time distribution on the measurement precision of Mueller polarimetry. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 231, 22-27. | 2.3 | 2 |

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|---|---|---|---|
| 55 | Joint Noise Reduction for Contrast Enhancement in Stokes Polarimetric Imaging. IEEE Photonics Journal, 2019, 11, 1-10. | 2.0 | 2 |
| 56 | Dual-Mode GVD Tailoring in a Convex Waveguide. IEEE Photonics Journal, 2020, 12, 1-6. | 2.0 | 2 |
| 57 | Recovered HCN Absorption Spectrum-Based FBG Demodulation Method Covering the Whole C-Band for Temperature Changing Environment. IEEE Access, 2020, 8, 15039-15046. | 4.2 | 2 |
| 58 | Unsupervised anomaly detection of MEMS in low illumination based on polarimetric Support Vector Data Description. Optics Express, 2021, 29, 35651. | 3.4 | 2 |
| 59 | Optimal Measurement Matrix of Partial Polarimeter for Measuring Ellipsometric Parameters With Eight Intensity Measurements. IEEE Access, 2019, 7, 31494-31500. | 4.2 | 1 |
| 60 | Precision of retardance autocalibration in full-Stokes division-of-focal-plane imaging polarimeters: publisherâ€™s note. Optics Letters, 2019, 44, 5759. | 3.3 | 1 |
| 61 | Diagnosis of transparent ejected material in femtosecond laser ablation. , 2009, , . | | 0 |
| 62 | Cascade Co-pumping â€“ From a Comparison View. , 2019, , . | | 0 |
| 63 | Frequency interferometric localization microscopy. Optics Letters, 2021, 46, 3973. | 3.3 | 0 |