Haofeng Hu

List of Publications by Year
in descending order

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	Temperature Compensation of Optical Fiber Current Sensors With a Static Bias. IEEE Sensors Journal, 2022, 22, 352-356.	4.7	13
2	An FBG Pressure Sensor Based on Spring-Diaphragm Elastic Structure for Ultimate Pressure Detection. IEEE Sensors Journal, 2022, 22, 2213-2220.	4.7	13
3	Polarimetric Imaging Through Scattering Media: A Review. Frontiers in Physics, 2022, 10, .	2.1	24
4	Underwater image restoration via Stokes decomposition. Optics Letters, 2022, 47, 2854.	3.3	18
5	Attention-based neural network for polarimetric image denoising. Optics Letters, 2022, 47, 2726.	3.3	12
6	U^{2}R-pGAN: Unpaired underwater-image recovery with polarimetric generative adversarial network. Optics and Lasers in Engineering, 2022, 157, 107112.	3.8	14
7	Physics-informed neural network for polarimetric underwater imaging. Optics Express, 2022, 30, 22512.	3.4	10
8	Underwater imaging enhancement based on a polarization filter and histogram attenuation prior. Journal Physics D: Applied Physics, 2021, 54, 175102.	2.8	16
9	Integration time optimization and starting angle autocalibration of full Stokes imagers based on a rotating retarder. Optics Express, 2021, 29, 9494.	3.4	11
10	$NaYF_4$:Yb/Tm@SiO_2-Dox/Cur-CS/OSA nanoparticles with pH and photon responses. Nanotechnology, 2021, 32, 255703.	2.6	5
11	Review of Fiber Mechanical and Thermal Multi-Parameter Measurement Technologies and Instrumentation. Journal of Lightwave Technology, 2021, 39, 3724-3739.	4.6	14
12	Underwater Imaging by Suppressing the Backscattered Light Based on Mueller Matrix. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	8
13	Frequency interferometric localization microscopy. Optics Letters, 2021, 46, 3973.	3.3	0
14	Automatic underwater polarization imaging without background region or any prior. Optics Express, 2021, 29, 31283.	3.4	21
15	Unsupervised anomaly detection of MEMS in low illumination based on polarimetric Support Vector Data Description. Optics Express, 2021, 29, 35651.	3.4	2
16	Polarimetric underwater image recovery for color image with crosstalk compensation. Optics and Lasers in Engineering, 2020, 124, 105833.	3.8	20
17	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
18	Dual-Mode GVD Tailoring in a Convex Waveguide. IEEE Photonics Journal, 2020, 12, 1-6.	2.0	2

#	Article	IF	Citations
19	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
20	Polarimetric underwater image recovery via deep learning. Optics and Lasers in Engineering, 2020, 133, 106152.	3.8	51
21	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
22	Temperature compensation of optical alternating magnetic field sensor via a novel method for on-line measuring. Optics Express, 2020, 28, 13682.	3.4	5
23	Theory of autocalibration feasibility and precision in full Stokes polarization imagers. Optics Express, 2020, 28, 15268.	3.4	16
24	Learning-based denoising for polarimetric images. Optics Express, 2020, 28, 16309.	3.4	48
25	Graphene-based dual-mode modulators. Optics Express, 2020, 28, 18456.	3.4	12
26	When is retardance autocalibration of microgrid-based full Stokes imagers possible and useful?. Optics Letters, 2020, 45, 3474.	3.3	4
27	IPLNet: a neural network for intensity-polarization imaging in low light. Optics Letters, 2020, 45, 6162.	3.3	34
28	Optimal Measurement Matrix of Partial Polarimeter for Measuring Ellipsometric Parameters With Eight Intensity Measurements. IEEE Access, 2019, 7, 31494-31500.	4.2	1
29	Design of on-chip polarizers based on graphene-on-silicon nanowires. Applied Physics Express, 2019, 12, 072001.	2.4	7
30	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
31	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
32	Joint Noise Reduction for Contrast Enhancement in Stokes Polarimetric Imaging. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	2
33	CDnet: CNN-Based Cloud Detection for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6195-6211.	6.3	118
34	Cascade Co-pumping â€" From a Comparison View. , 2019, , .		0
35	Pseudo-polarimetric Method for Dense Haze Removal. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	11
36	Contrast optimization in broadband passive polarimetric imaging based on color camera. Optics Express, 2019, 27, 2444.	3.4	9

#	Article	IF	Citations
37	Waveguide-integrated graphene spatial mode filters for on-chip mode-division multiplexing. Optics Express, 2019, 27, 19188.	3.4	15
38	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
39	Optimal design of high-power cascade co-pumping Er/Yb-codoped fiber lasers. Optics Letters, 2019, 44, 1100.	3.3	11
40	Precision of retardance autocalibration in full-Stokes division-of-focal-plane imaging polarimeters. Optics Letters, 2019, 44, 5410.	3.3	13
41	Optimal tradeoff between precision and sampling rate in DoFP imaging polarimeters. Optics Letters, 2019, 44, 5900.	3.3	4
42	Precision of retardance autocalibration in full-Stokes division-of-focal-plane imaging polarimeters: publisher's note. Optics Letters, 2019, 44, 5759.	3.3	1
43	Underwater Image Recovery Under the Nonuniform Optical Field Based on Polarimetric Imaging. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	60
44	Polarimetric image recovery in turbid media employing circularly polarized light. Optics Express, 2018, 26, 25047.	3.4	60
45	Polarimetric image recovery method combining histogram stretching for underwater imaging. Scientific Reports, 2018, 8, 12430.	3.3	70
46	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
47	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
48	Enhancing Visibility of Polarimetric Underwater Image by Transmittance Correction. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	33
49	Optical Current Sensor With Dual-Wavelength Configuration for Improving Temperature Robustness. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	15
50	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
51	Colorimetric discrimination for Stokes polarimetric imaging. Optics Express, 2017, 25, 3765.	3.4	4
52	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
53	Multispectral Stokes Imaging Polarimetry Based on Color CCD. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	7
54	Underwater image recovery considering polarization effects of objects. Optics Express, 2016, 24, 9826.	3.4	128

#	Article	IF	Citations
55	Optimal distribution of integration time for intensity measurements in degree of linear polarization polarimetry. Optics Express, 2016, 24, 7191.	3.4	17
56	Optimal distribution of integration time for intensity measurements in Stokes polarimetry. Optics Express, 2015, 23, 27690.	3.4	24
57	An Improved Positioning Algorithm With High Precision for Dual Mach–Zehnder Interferometry Disturbance Sensing System. Journal of Lightwave Technology, 2015, 33, 1954-1960.	4.6	44
58	A High-Efficiency Multiple Events Discrimination Method in Optical Fiber Perimeter Security System. Journal of Lightwave Technology, 2015, 33, 4885-4890.	4.6	50
59	Polarimetric target detection under uneven illumination. Optics Express, 2015, 23, 23603.	3.4	24
60	Contrast optimization in broadband passive polarimetric imaging. Optics Letters, 2014, 39, 6759.	3.3	27
61	A Modified Empirical Mode Decomposition Algorithm in TDLAS for Gas Detection. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	42
62	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
63	Diagnosis of transparent ejected material in femtosecond laser ablation. , 2009, , .		0