

Heng Wu

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

589
citations

623734

14
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642732

23
g-index

36
all docs

36
docs citations

36
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-learning denoising computational ghost imaging. Optics and Lasers in Engineering, 2020, 134, 106183.	3.8	53
2	Sub-Nyquist computational ghost imaging with deep learning. Optics Express, 2020, 28, 3846.	3.4	50
3	A generalized Prandtl-Ishlinskii model for characterizing the rate-independent and rate-dependent hysteresis of piezoelectric actuators. Review of Scientific Instruments, 2016, 87, 035002.	1.3	47
4	Double freeform surfaces lens design for LED uniform illumination with high distanceâ€“height ratio. Optics and Laser Technology, 2015, 73, 166-172.	4.6	32
5	Models of grinding-induced surface and subsurface damages in fused silica considering strain rate and micro shape/geometry of abrasive. Ceramics International, 2021, 47, 24924-24941.	4.8	31
6	Line-based calibration of a micro-vision motion measurement system. Optics and Lasers in Engineering, 2017, 93, 40-46.	3.8	30
7	High-quality correspondence imaging based on sorting and compressive sensing technique. Laser Physics Letters, 2016, 13, 115205.	1.4	24
8	Displacement measurement system for inverters using computer micro-vision. Optics and Lasers in Engineering, 2016, 81, 113-118.	3.8	22
9	Influence of intensity fluctuations on Hadamard-based computational ghost imaging. Optics Communications, 2020, 454, 124490.	2.1	22
10	Evaluation of surface and subsurface damages for diamond turning of ZnSe crystal. Optics Express, 2019, 27, 28364.	3.4	22
11	Absolute distance measurement based on spectral interferometer using the effect of the FSR of a Fabryâ€“Perot etalon. Optics and Lasers in Engineering, 2019, 123, 20-27.	3.8	19
12	Computational ghost imaging system with 4-connected-region-optimized Hadamard pattern sequence. Optics and Lasers in Engineering, 2020, 132, 106105.	3.8	17
13	Hybrid neural network-based adaptive computational ghost imaging. Optics and Lasers in Engineering, 2021, 140, 106529.	3.8	17
14	Infrared and visible image fusion based on iterative differential thermal information filter. Optics and Lasers in Engineering, 2022, 148, 106776.	3.8	17
15	Micro-motion detection of the 3-DOF precision positioning stage based on iterative optimized template matching. Applied Optics, 2017, 56, 9435.	1.8	15
16	Displacement measurement of the compliant positioning stage based on a computer micro-vision method. AIP Advances, 2016, 6, .	1.3	14
17	Underwater compressive computational ghost imaging with wavelet enhancement. Applied Optics, 2021, 60, 6950.	1.8	14
18	Tracking control of piezoelectric actuators using a polynomial-based hysteresis model. AIP Advances, 2016, 6, .	1.3	13

#	ARTICLE	IF	CITATIONS
19	A high accuracy algorithm of displacement measurement for a micro-positioning stage. AIP Advances, 2017, 7, .	1.3	12
20	Multifocus image fusion method for image acquisition of 3D objects. Applied Optics, 2018, 57, 4514.	1.8	12
21	Compact snapshot dual-mode interferometric system for on-machine measurement. Optics and Lasers in Engineering, 2020, 132, 106129.	3.8	12
22	Online adaptive computational ghost imaging. Optics and Lasers in Engineering, 2020, 128, 106028.	3.8	12
23	Infrared thermal imaging denoising method based on second-order channel attention mechanism. Infrared Physics and Technology, 2021, 116, 103789.	2.9	12
24	Otsu-Kmeans gravity-based multi-spots center extraction method for microlens array imaging system. Optics and Lasers in Engineering, 2022, 152, 106968.	3.8	12
25	Computational ghost imaging with uncertain imaging distance. Optics Communications, 2019, 445, 106-110.	2.1	11
26	Infrared and visible fusion imaging via double-layer fusion denoising neural network. , 2022, 123, 103433.		11
27	Super-resolution infrared imaging via multi-receptive field information distillation network. Optics and Lasers in Engineering, 2021, 145, 106681.	3.8	9
28	Adaptive differential correspondence imaging based on sorting technique. AIP Advances, 2017, 7, 045121.	1.3	5
29	Computational ghost imaging with 4-step iterative rank minimization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 394, 127199.	2.1	4
30	Spectroscopic interferometer with a large length range by rotating diffraction grating. Optics Express, 2019, 27, 10553.	3.4	4
31	High-Quality Computational Ghost Imaging Using an Optimum Distance Search Method. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	3
32	Shoulder Damage Model and Its Application for Single Point Diamond Machining of ZnSe Crystal. Materials, 2022, 15, 233.	2.9	3
33	Theoretical model and digital extraction of subsurface damage in ground fused silica. Optics Express, 2022, 30, 17999.	3.4	3
34	A water-microorganism detecting device with freeform lens. Optics and Laser Technology, 2018, 108, 90-96.	4.6	2
35	High-accuracy spectral interferometer with multi-Fabryâ€‘Perot Etalon for thickness measurement of the silicon wafer. Optics Communications, 2021, 501, 127346.	2.1	2
36	Diffraction-field-adaptive computational imaging for static and moving targets. Journal of Optics (United Kingdom), 2019, 21, 085609.	2.2	1