

Yutaro Katano

List of Publications by Year in descending order

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23
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#	ARTICLE	IF	CITATIONS
1	Transformation of coherence-dependent bokeh for incoherent digital holography. Optics Letters, 2022, 47, 2774.	1.7	2
2	Grating-based in-line geometric-phase-shifting incoherent digital holographic system toward 3D videography. Optics Express, 2022, 30, 27825.	1.7	9
3	[Paper] Spatial Filter and Combination of Angle and Peristrophic Multiplexings to Achieve Recording Density of 1 Tbit/inch ² in Holographic Data Storage. ITE Transactions on Media Technology and Applications, 2021, 9, 153-160.	0.3	1
4	[Paper] Efficient Decoding Method for Holographic Data Storage Combining Convolutional Neural Network and Spatially Coupled Low-Density Parity-Check Code. ITE Transactions on Media Technology and Applications, 2021, 9, 161-168.	0.3	3
5	Coherence aperture restricted spatial resolution for an arbitrary depth plane in incoherent digital holography. Applied Optics, 2021, 60, 5392.	0.9	5
6	Incoherent digital holography simulation based on scalar diffraction theory. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 924.	0.8	10
7	Reduction of spatio-temporal phase fluctuation in a spatial light modulator using linear phase superimposition. OSA Continuum, 2021, 4, 1846.	1.8	5
8	CNN-based demodulation for a complex amplitude modulation code in holographic data storage. Optical Review, 2021, 28, 662-672.	1.2	5
9	Highly efficient dual page reproduction in holographic data storage. Optics Express, 2021, 29, 33257.	1.7	4
10	Using a Digital Filter in Incoherent Digital Holography to Improve the Quality of Reconstructed Images. , 2020, , .		0
11	Effect of rotational shear on imaging properties of bimodal incoherent digital holography system. , 2020, , .		1
12	Bimodal Incoherent Digital Holography for Both Three-Dimensional Imaging and Quasi-Infinite Depth-of-Field Imaging. Scientific Reports, 2019, 9, 3363.	1.6	22
13	Sampling requirements and adaptive spatial averaging for incoherent digital holography. Optics Express, 2019, 27, 33634.	1.7	19
14	Data demodulation using convolutional neural networks for holographic data storage. Japanese Journal of Applied Physics, 2018, 57, 09SC01.	0.8	16
15	Demodulation of Multi-Level Data using Convolutional Neural Network in Holographic Data Storage. , 2018, , .		5
16	Applying digital filter to data pages before recording to increase signal-to-noise ratio in holographic memory. Japanese Journal of Applied Physics, 2018, 57, 09SC02.	0.8	0
17	Grating-assisted spatial phase-shifting incoherent digital holography with compressive sensing for noise reduction. , 2018, , .		0
18	Single-shot phase-shifting incoherent digital holography with multiplexed checkerboard phase gratings. Optics Letters, 2018, 43, 1698.	1.7	74

#	ARTICLE	IF	CITATIONS
19	Prototype holographic drive with wavefront compensation for playback of 8K video data. , 2017, , .		1
20	Prototype holographic data storage drive with wavefront compensation for playback of 8K video data. IEEE Transactions on Consumer Electronics, 2017, 63, 243-250.	3.0	14
21	Dual-page reproduction to increase the data transfer rate in holographic memory. Optics Letters, 2017, 42, 2287.	1.7	17
22	Spatially coupled low-density parity-check error correction for holographic data storage. Japanese Journal of Applied Physics, 2017, 56, 09NA03.	0.8	10
23	Monolithic mode-locked erbium-doped LiNbO3 waveguide laser with dielectric multilayer mirror. IEICE Electronics Express, 2012, 9, 245-249.	0.3	3