

# Yutaro Katano

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Single-shot phase-shifting incoherent digital holography with multiplexed checkerboard phase gratings. <i>Optics Letters</i> , 2018, 43, 1698.	1.7	74
2	Bimodal Incoherent Digital Holography for Both Three-Dimensional Imaging and Quasi-Infinite Depth-of-Field Imaging. <i>Scientific Reports</i> , 2019, 9, 3363.	1.6	22
3	Sampling requirements and adaptive spatial averaging for incoherent digital holography. <i>Optics Express</i> , 2019, 27, 33634.	1.7	19
4	Dual-page reproduction to increase the data transfer rate in holographic memory. <i>Optics Letters</i> , 2017, 42, 2287.	1.7	17
5	Data demodulation using convolutional neural networks for holographic data storage. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 09SC01.	0.8	16
6	Prototype holographic data storage drive with wavefront compensation for playback of 8K video data. <i>IEEE Transactions on Consumer Electronics</i> , 2017, 63, 243-250.	3.0	14
7	Incoherent digital holography simulation based on scalar diffraction theory. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 924.	0.8	10
8	Spatially coupled low-density parity-check error correction for holographic data storage. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 09NA03.	0.8	10
9	Grating-based in-line geometric-phase-shifting incoherent digital holographic system toward 3D videography. <i>Optics Express</i> , 2022, 30, 27825.	1.7	9
10	Demodulation of Multi-Level Data using Convolutional Neural Network in Holographic Data Storage. , 2018, , .		5
11	Coherence aperture restricted spatial resolution for an arbitrary depth plane in incoherent digital holography. <i>Applied Optics</i> , 2021, 60, 5392.	0.9	5
12	Reduction of spatio-temporal phase fluctuation in a spatial light modulator using linear phase superimposition. <i>OSA Continuum</i> , 2021, 4, 1846.	1.8	5
13	CNN-based demodulation for a complex amplitude modulation code in holographic data storage. <i>Optical Review</i> , 2021, 28, 662-672.	1.2	5
14	Highly efficient dual page reproduction in holographic data storage. <i>Optics Express</i> , 2021, 29, 33257.	1.7	4
15	Monolithic mode-locked erbium-doped LiNbO3 waveguide laser with dielectric multilayer mirror. <i>IEICE Electronics Express</i> , 2012, 9, 245-249.	0.3	3
16	[Paper] Efficient Decoding Method for Holographic Data Storage Combining Convolutional Neural Network and Spatially Coupled Low-Density Parity-Check Code. <i>ITE Transactions on Media Technology and Applications</i> , 2021, 9, 161-168.	0.3	3
17	Transformation of coherence-dependent bokeh for incoherent digital holography. <i>Optics Letters</i> , 2022, 47, 2774.	1.7	2
18	Prototype holographic drive with wavefront compensation for playback of 8K video data. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	[Paper] Spatial Filter and Combination of Angle and Peristrophic Multiplexings to Achieve Recording Density of 1 Tbit/inch <sup>2</sup> in Holographic Data Storage. ITE Transactions on Media Technology and Applications, 2021, 9, 153-160.	0.3	1
20	Effect of rotational shear on imaging properties of bimodal incoherent digital holography system. , 2020, , .		1
21	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
22	Grating-assisted spatial phase-shifting incoherent digital holography with compressive sensing for noise reduction. , 2018, , .		0
23	Using a Digital Filter in Incoherent Digital Holography to Improve the Quality of Reconstructed Images. , 2020, , .		0