Nobuhiro Kinoshita

List of Publications by Year
in descending order

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Version: 2024-02-01

45	335	933447	940533
papers	citations	10 h-index	16 g-index

45	45	45	117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	[Paper] Spatial Filter and Combination of Angle and Peristrophic Multiplexings to Achieve Recording Density of 1 Tbit/inch² in Holographic Data Storage. ITE Transactions on Media Technology and Applications, 2021, 9, 153-160.	0.5	1
2	[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.	0.5	3
3	Coherence aperture restricted spatial resolution for an arbitrary depth plane in incoherent digital holography. Applied Optics, 2021, 60, 5392.	1.8	5
4	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.	1.5	10
5	Reduction of spatio-temporal phase fluctuation in a spatial light modulator using linear phase superimposition. OSA Continuum, 2021, 4, 1846.	1.8	5
6	CNN-based demodulation for a complex amplitude modulation code in holographic data storage. Optical Review, 2021, 28, 662-672.	2.0	5
7	Highly efficient dual page reproduction in holographic data storage. Optics Express, 2021, 29, 33257.	3.4	4
8	Using a Digital Filter in Incoherent Digital Holography to Improve the Quality of Reconstructed Images. , 2020, , .		0
9	Bimodal Incoherent Digital Holography for Both Three-Dimensional Imaging and Quasi-Infiniteâ€“Depth-of-Field Imaging. Scientific Reports, 2019, 9, 3363.	3.3	22
10	Sampling requirements and adaptive spatial averaging for incoherent digital holography. Optics Express, 2019, 27, 33634.	3.4	19
11	Data demodulation using convolutional neural networks for holographic data storage. Japanese Journal of Applied Physics, 2018, 57, 09SC01.	1.5	16
12	Demodulation of Multi-Level Data using Convolutional Neural Network in Holographic Data Storage. , 2018, , .		5
13	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.	1.5	0
14	Grating-assisted spatial phase-shifting incoherent digital holography with compressive sensing for noise reduction. , 2018, , .		0
15	Single-shot phase-shifting incoherent digital holography with multiplexed checkerboard phase gratings. Optics Letters, 2018, 43, 1698.	3.3	74
16	Prototype holographic drive with wavefront compensation for playback of 8K video data. , 2017, , .		1
17	Prototype holographic data storage drive with wavefront compensation for playback of 8K video data. IEEE Transactions on Consumer Electronics, 2017, 63, 243-250.	3.6	14
18	Dual-page reproduction to increase the data transfer rate in holographic memory. Optics Letters, 2017, 42, 2287.	3.3	17

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19	Spatially coupled low-density parity-check error correction for holographic data storage. Japanese Journal of Applied Physics, 2017, 56, 09NA03.	1.5	10
20	Rotation spacing and multiplexing number in angle-peristrophic multiplexing holographic memory. Japanese Journal of Applied Physics, 2015, 54, 09MA03.	1.5	4
21	Playback of beyond high definition video signal in holographic data storage system with wavefront compensation and parallel signal processing. , 2014, , .		2
22	Optical compensation for hologram distortion using wavefront interpolation in angle-multiplexed holograms. Journal of Modern Optics, 2014, 61, 746-754.	1.3	3
23	Readout Signal Processing Algorithm for Holographic Memory toward High Definition Video Playback. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2014, 68, J348-J357.	0.1	2
24	Compensation Method for Phase Fluctuation in Holographic Data Storage. Japanese Journal of Applied Physics, 2012, 51, 112502.	1.5	1
25	Compensation Method for Phase Fluctuation in Holographic Data Storage. Japanese Journal of Applied Physics, 2012, 51, 112502.	1.5	1
26	Half-data-page insertion method for increasing recording density in angular multiplexing holographic memory. Applied Optics, 2011, 50, 2361.	2.1	12
27	Optical compensation of hologram distortion avoiding interpage crosstalk on reconstructed image in angle-multiplexed holograms. Applied Optics, 2011, 50, 5700.	2.1	3
28	Angular Spacing Control for Segmented Data Pages in Angle-Multiplexed Holographic Memory. Japanese Journal of Applied Physics, 2011, 50, 09ME02.	1.5	2
29	Angular Spacing Control for Segmented Data Pages in Angle-Multiplexed Holographic Memory. Japanese Journal of Applied Physics, 2011, 50, 09ME02.	1.5	6
30	Wavefront compensation for holographic data. , 2011, , .		0
31	Classification and Evaluation of Noises in Holographic Memory System. Japanese Journal of Applied Physics, 2010, 49, 08KD12.	1.5	2
32	Compensation of Interference Fringe Distortion Due to Temperature Variation in Holographic Data Storage. Japanese Journal of Applied Physics, 2010, 49, 08KD03.	1.5	13
33	Pre-enhancement for High Spatial Frequency in Holographic Memory. Japanese Journal of Applied Physics, 2009, 48, 09LA03.	1.5	1
34	Control of Angular Intervals for Angle-Multiplexed Holographic Memory. Japanese Journal of Applied Physics, 2009, 48, 03A029.	1.5	16
35	Optical compensation of distorted data image caused by interference fringe distortion in holographic data storage. Applied Optics, 2009, 48, 3681.	2.1	11
36	Improved Signal-to-Noise Ratio Using Phase Compensation in Shift- and Angle-Multiplexed Holographic Data Storage. Japanese Journal of Applied Physics, 2008, 47, 5989.	1.5	4

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37	Compensation and Improvement of Intensity and Distribution in Reconstructed Image Using Adaptive Optics in Holographic Data Storage. Japanese Journal of Applied Physics, 2008, 47, 5900-5903.	1.5	4
38	Dynamic Observation Study of Crystallization Process in Sb-Based Phase-Change Materials. Japanese Journal of Applied Physics, 2007, 46, L385-L387.	1.5	1
39	Method of Phase Compensation for Holographic Data Storage. Japanese Journal of Applied Physics, 2007, 46, 3862-3866.	1.5	6
40	Adaptive optics For holographic data storage. , 2007, 6488, 105.		6
41	Streak camera observation of the crystallization on multinary compounds. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2858-2861.	0.8	1
42	Integrated Simulation Technique for Volume Holographic Memory Using Finite-Difference Time-Domain Method. Japanese Journal of Applied Physics, 2005, 44, 3503-3507.	1.5	10
43	GeSbTe Phase Change Material for Blue-Violet Laser at High Linear Speed. Japanese Journal of Applied Physics, 2002, 41, 1691-1692.	1.5	8
44	Controllable Attenuation Poles in the Coupled ?/4 Transmission-Line Filter. , 1997, , .		1
45	Wavefront compensation method using novel index in holographic data storage. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	4