

Hirotsugu Yamamoto

List of Publications by Year in descending order

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471509

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95
all docs

95
docs citations

95
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Floating aerial LED signage based on aerial imaging by retro-reflection (AIRR). Optics Express, 2014, 22, 26919.	3.4	139
2	Roadmap on 3D integral imaging: sensing, processing, and display. Optics Express, 2020, 28, 32266.	3.4	105
3	Scan-less confocal phase imaging based on dual-comb microscopy. Optica, 2018, 5, 634.	9.3	70
4	Adaptive sampling dual terahertz comb spectroscopy using dual free-running femtosecond lasers. Scientific Reports, 2015, 5, 10786.	3.3	60
5	Securing information display by use of visual cryptography. Optics Letters, 2003, 28, 1564.	3.3	51
6	Scan-less hyperspectral dual-comb single-pixel-imaging in both amplitude and phase. Optics Express, 2017, 25, 21947.	3.4	46
7	Secure information display with limited viewing zone by use of multi-color visual cryptography. Optics Express, 2004, 12, 1258.	3.4	42
8	Real-time absolute frequency measurement of continuous-wave terahertz radiation based on dual terahertz combs of photocarriers with different frequency spacings. Optics Express, 2015, 23, 11367.	3.4	31
9	Refractive-index-sensing optical comb based on photonic radio-frequency conversion with intracavity multi-mode interference fiber sensor. Optics Express, 2018, 26, 19694.	3.4	30
10	Photon-counting digital holography under ultraweak illumination. Optics Letters, 2009, 34, 1081.	3.3	28
11	Experimental investigation of the closest parallel pulses in holographic femtosecond laser processing. Applied Physics A: Materials Science and Processing, 2012, 107, 357-362.	2.3	23
12	Real-Time Amplitude and Phase Imaging of Optically Opaque Objects by Combining Full-Field Off-Axis Terahertz Digital Holography with Angular Spectrum Reconstruction. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 561-572.	2.2	22
13	Development of omnidirectional aerial display with aerial imaging by retro-reflection (AIRR) for behavioral biology experiments. Optical Review, 2019, 26, 221-229.	2.0	22
14	Aerial depth-fused 3D image formed with aerial imaging by retro-reflection (AIRR). Optical Review, 2019, 26, 179-186.	2.0	22
15	Strain sensing based on strain to radio-frequency conversion of optical frequency comb. Optics Express, 2018, 26, 9484.	3.4	20
16	Aerial 3D LED display by use of retroreflective sheeting. Proceedings of SPIE, 2013, , .	0.8	19
17	Refractive index sensing with temperature compensation by a multimode-interference fiber-based optical frequency comb sensing cavity. Optics Express, 2019, 27, 21463.	3.4	19
18	Optical dependence of spatial frequency of formed patterns on focusing deviation in a nonlinear optical ring resonator. Optics Communications, 1998, 151, 263-267.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Stereoscopic Full-Color Light Emitting Diode Display Using Parallax Barrier for Different Interpupillary Distances. <i>Optical Review</i> , 2002, 9, 244-250.	2.0	16
20	64.3L: <i>Lateâ€News Paper</i>: Aerial Imaging by Retroâ€Reflection (AIRR). <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 895-897.	0.3	16
21	Terahertz Frequency-Domain Spectroscopy of Low-Pressure Acetonitrile Gas by a Photomixing Terahertz Synthesizer Referenced to Dual Optical Frequency Combs. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 903-915.	2.2	16
22	Multicascade-linked synthetic wavelength digital holography using an optical-comb-referenced frequency synthesizer. <i>Optics Express</i> , 2018, 26, 26292.	3.4	16
23	Aerial image resolution measurement based on the slanted knife edge method. <i>Optics Express</i> , 2020, 28, 35518.	3.4	16
24	Multiple aerial imaging by use of infinity mirror and oblique retro-reflector. <i>Japanese Journal of Applied Physics</i> , 2020, 59, S00D08.	1.5	16
25	Viewing-Zone Control of Light-Emitting Diode Panel for Stereoscopic Display and Multiple Viewing Distances. <i>Journal of Display Technology</i> , 2010, 6, 359-366.	1.2	14
26	Multifunctional aerial display through use of polarization-processing display. <i>Optical Review</i> , 2017, 24, 72-79.	2.0	14
27	Full-field fluorescence lifetime dual-comb microscopy using spectral mapping and frequency multiplexing of dual-comb optical beats. <i>Science Advances</i> , 2021, 7, .	10.3	14
28	Processing Structures on Human Fingernail Surfaces Using a Focused Near-Infrared Femtosecond Laser Pulse. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 8089-8093.	1.5	13
29	Secure Information Display with Two Limited Viewing Zones Using Two Decoding Masks Based on Visual Secret Sharing Scheme. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1803-1807.	1.5	13
30	Perceived Depth Change Produced by Visual Acuity Difference between the Eyes. <i>IEICE Transactions on Electronics</i> , 2012, E95.C, 1707-1715.	0.6	13
31	Three-dimensional optical memory using a human fingernail. <i>Optics Express</i> , 2005, 13, 4560.	3.4	12
32	Comparison of Divergence Angle of Retro-Reflectors and Sharpness with Aerial Imaging by Retro-Reflection (AIRR). <i>IEICE Transactions on Electronics</i> , 2017, E100.C, 958-964.	0.6	12
33	Triple-views aerial display to show different floating images for surrounding directions. <i>Optics Express</i> , 2020, 28, 35540.	3.4	12
34	Selection of optical patterns using direct modulation method of spatial frequency in a nonlinear optical feedback system. <i>Optics Communications</i> , 2001, 187, 49-55.	2.1	11
35	Visual Cryptography Using Polarization-Modulation Films. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 09LC02.	1.5	11
36	Optical Bit Recording in a Human Fingernail. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 168-171.	1.5	10

#	ARTICLE	IF	CITATIONS
37	R2D2 w/ AIRR. , 2015, , .		10
38	Reduction of retro-reflector and expansion of the viewpoint of an aerial image by the use of AIRR with transparent spheres. OSA Continuum, 2021, 4, 1207.	1.8	10
39	Influence of incident angle, anisotropy, and floating distance on aerial imaging resolution. OSA Continuum, 2021, 4, 865.	1.8	9
40	Spatial and Temporal Properties of a Nonlinear Optical Feedback System. Optical Review, 2001, 8, 343-347.	2.0	8
41	Visualization of internal structure and internal stress in visibly opaque objects using full-field phase-shifting terahertz digital holography. Optics Express, 2019, 27, 33854.	3.4	8
42	Evaluation methods of retro-reflector for polarized aerial imaging by retro-reflection. , 2015, , .		7
43	Efficiency characteristics of linear dc motor by using a novel measuring method. Sensors and Actuators A: Physical, 2001, 91, 137-140.	4.1	6
44	Different aerial image formation into two directions by crossed-mirror array. Optical Review, 2015, 22, 862-867.	2.0	6
45	4320-Hz LED Display With Pulse-Width Modulation by Use of a Nonlinear Clock. Journal of Display Technology, 2016, 12, 1581-1587.	1.2	6
46	Optical image amplification in dual-comb microscopy. Scientific Reports, 2020, 10, 8338.	3.3	6
47	Ultrasonic wave sensing using an optical-frequency-comb sensing cavity for photoacoustic imaging. OSA Continuum, 2019, 2, 439.	1.8	6
48	Manually operated low-coherence interferometer for optical information hiding. Optics Express, 2006, 14, 9421.	3.4	5
49	A new method to enlarge a range of continuously perceived depth in DFD (depth-fused 3D) display. Proceedings of SPIE, 2013, , .	0.8	5
50	Lock-in-detection dual-comb spectroscopy. OSA Continuum, 2019, 2, 1998.	1.8	5
51	Iron deposits in the human labial minor salivary glands: A postmortem study.. The Journal of Nihon University School of Dentistry, 1989, 31, 361-365.	0.1	4
52	Thick photorefractive polymer device with coplanar electrodes. Review of Scientific Instruments, 2003, 74, 3693-3696.	1.3	4
53	Optical image processing using an optoelectronic feedback system with electronic distortion correction. Optics Express, 2005, 13, 4657.	3.4	4
54	Depth perception for moving images shown on a large LED display with an aperture grille. Journal of the Society for Information Display, 2009, 17, 1031-1036.	2.1	4

#	ARTICLE	IF	CITATIONS
55	29â€¹: An Aerial Display: Passing through a Floating Image Formed by Retroâ€²Reflective Reimaging. Digest of Technical Papers SID International Symposium, 2017, 48, 406-409.	0.3	4
56	Aerial light-field image augmented between you and your mirrored image. , 2017, , .		4
57	Spatial Property of Formed Patterns Depending on Focus Condition in a Two-Dimensional Optoelectronic Feedback System. Japanese Journal of Applied Physics, 2001, 40, 165-169.	1.5	3
58	Spatially localized states with size-dependent optical bistability. Optics Letters, 2003, 28, 2351.	3.3	3
59	Edge-Based Depth-Fused 3D Display. , 2013, , .		3
60	62.3: Handâ€²Waving Steganography by Use of a Highâ€²Frameâ€²Rate LED Panel. Digest of Technical Papers SID International Symposium, 2014, 45, 915-917.	0.3	3
61	Theoretical and Experimental Perceived Depths in Arc 3D Displays: On/Off Switching Using Liquid-Crystal Active Devices. IEEE Industry Applications Magazine, 2021, 27, 69-81.	0.4	3
62	Exploring the combination of optical components suitable for the large device to form aerial image by AIRR. Proceedings of the International Display Workshops, 2019, , 1382.	0.1	3
63	Immersive 3D Environment by Floating Display and High-speed Gesture UI Integration. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 134-140.	0.2	3
64	Aerial imaging steganography method for aerial imaging by retro-reflection with dual acrylic ball. Optical Review, 0, , 1.	2.0	3
65	Improvement of apparent resolution by subjective super-resolution display for aerial display using AIRR. Optical Review, 2022, 29, 241-249.	2.0	3
66	Improvement of the distortion of aerial displays and proposal for utilizing distortion to emulate three-dimensional aerial image. Optical Review, 2022, 29, 261-266.	2.0	3
67	Examination of deblur processing according to optical parameters in aerial image. , 2022, 1, 462.		3
68	Flow of optical patterns due to small lateral wave-front shifts in a nonlinear optical feedback system. Optics Communications, 2003, 220, 281-287.	2.1	2
69	Real-Time Determination of Absolute Frequency in Continuous-Wave Terahertz Radiation with a Photocurrent Terahertz Frequency Comb Induced by an Unstabilized Femtosecond Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 473-485.	2.2	2
70	Enlargement of Continuous Perceived Depth Region in Depth-fused 3-D Display. IEEE Transactions on Industry Applications, 2016, 52, 5226-5230.	4.9	2
71	Proposal of moire-free aerial display based on the LED panel and apertured retro-reflector. Optical Review, 2021, 28, 492-500.	2.0	2
72	Multicascade-linked synthetic-wavelength digital holography using a line-by-line spectral-shaped optical frequency comb. Optics Express, 2021, 29, 15772.	3.4	2

#	ARTICLE	IF	CITATIONS
73	Brightness improvement by polarization modulation in the aerial imaging by retro-reflection (AIRR). , 2016, , .		2
74	Subjective Super-Resolution Model on Coarse High-Speed LED Display in Combination with Pseudo Fixation Eye Movements. IEICE Transactions on Electronics, 2019, E102.C, 780-788.	0.6	2
75	Spatio-Temporal LED Driving for Subjective Super-Resolution of Grayscale Images. Proceedings of the International Display Workshops, 2019, , 1243.	0.1	2
76	Pa€57: <i>Student Poster:</i> Improved Modulation Transfer Function (MTF) for Aerial Image Formed with AIRR by Use of Two Transparent Spheres. Digest of Technical Papers SID International Symposium, 2022, 53, 1257-1260.	0.3	2
77	Near-Infrared Spectroscopy Probe with Position Sensor. Optical Review, 2005, 12, 149-154.	2.0	1
78	Projecting a flat plane to a spherical surface by use of a compensation mirror. Optical Review, 2019, 26, 411-421.	2.0	1
79	Theoretical and Experimental Perceived Depths in Arc 3D Display and Its On/Off Switching Using Liquid-Crystal Active Devices. , 2019, , .		1
80	Edge-Based DFD (Depth-Fused 3D) Display with Enlarged Viewing Angle & Maximum Perceived Depth. , 2019, , .		1
81	Scan-Less, Kilo-Pixel, Line-Field Confocal Phase Imaging with Spectrally Encoded Dual-Comb Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	1
82	Edge-Based DFD (Depth-Fused 3-D) Display With Enlarged Viewing Angle and Maximum Perceived Depth. IEEE Transactions on Industry Applications, 2020, 56, 7193-7201.	4.9	1
83	Hand-waving decodable steganography by use of 960Hz LED panel. , 2013, , .		1
84	Aquatic information display and its applications for behavioral biology experiments. , 2019, , .		1
85	Aerial Display on a Clear Sphere with Aerial Imaging by Retro-Reflection. , 2019, , .		1
86	Reducing Aberration of Aerial Image by Use of Supporting Wire in Large Aerial Display with AIRR. Proceedings of the International Display Workshops, 2020, , 715.	0.1	1
87	Acute symmetrical ulcers in the pyloric antrum of the stomach. Gastroenterologia Japonica, 1972, 7, 360-360.	0.3	0
88	111534 DNA scaffold logic : logic operation on molecular inputs using FRET cascades(Bioinformatics) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Seibutsu Butsuri, 2012, 52, S36.	0.1	0
89	Photographing-decodable steganography by use of a high-frame-rate LED display. , 2015, , .		0
90	High-speed driving of multi-color LED panel for subjective super-resolution display. Optical Review, 2021, 28, 508-515.	2.0	0

#	ARTICLE	IF	CITATIONS
91	Forming aerial 3D images with smooth motion parallax in combination of arc 3D display with AIRR. , 2018, , .		0
92	Lens-less fiber coupling of a 1550-nm mode-locked fiber laser light on a low-temperature-grown GaAs photoconductive antenna. OSA Continuum, 2019, 2, 1310.	1.8	0
93	2. Aerial Multi-modal Display. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2018, 72, 488-491.	0.1	0
94	The Trend of Three Dimensional Image Technology. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2019, 73, 90-95.	0.1	0