

Yasuhiro Awatsuji

List of Publications by Year in descending order

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243
papers

3,354
citations

172386

29
h-index

175177

52
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245
all docs

245
docs citations

245
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion picture of magnified light pulse propagation with extending recordable time of digital light-in-flight holography. <i>Applied Optics</i> , 2022, 61, B206.	0.9	2
2	Quantitative dynamic evolution of physiological parameters of RBC by highly stable digital holographic microscopy. <i>Optics and Lasers in Engineering</i> , 2022, 151, 106887.	2.0	18
3	Simultaneous imaging of sound propagations and spatial distribution of acoustic frequencies. <i>Applied Optics</i> , 2022, 61, B246.	0.9	6
4	Numerical analysis of reconstructed image of light-in-flight recording by holography with a magnifying optical system. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	1.1	3
5	Sound wave detection by common-path digital holography. <i>Optics and Lasers in Engineering</i> , 2021, 137, 106331.	2.0	18
6	Recordable-Time Extension of Digital Light-in-Flight Recording by Holography Using a Polarization-Imaging Camera. <i>IEEE Journal of Quantum Electronics</i> , 2021, 57, 1-8.	1.0	4
7	Multimodal Microscopy: Fast Acquisition of Quantitative Phase and Fluorescence Imaging in 3D Space. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-11.	1.9	12
8	Multimodal sound field imaging using digital holography [Invited]. <i>Applied Optics</i> , 2021, 60, B49.	0.9	8
9	Influence of the lateral size of a hologram on the reconstructed image in digital light-in-flight recording by holography. <i>Applied Optics</i> , 2021, 60, B59.	0.9	4
10	Dynamic phase measurement of a transparent object by parallel phase-shifting digital holography with dual polarization imaging cameras. <i>Optics and Lasers in Engineering</i> , 2021, 141, 106583.	2.0	14
11	Multi-Physical Parameter Cross-Sectional Imaging of Quantitative Phase and Fluorescence by Integrated Multimodal Microscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-9.	1.9	5
12	Identification of Pollens From Polymer Particles Levitating in an RF Plasma by the Polarization Imaging Method. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 2967-2971.	0.6	3
13	High-speed imaging of the sound field by parallel phase-shifting digital holography. <i>Applied Optics</i> , 2021, 60, A179.	0.9	19
14	Single-shot common-path off-axis digital holography: applications in bioimaging and optical metrology [Invited]. <i>Applied Optics</i> , 2021, 60, A195.	0.9	30
15	Lensless digital holographic microscope for label-free imaging. , 2021, , .		0
16	Simultaneous light-field fluorescence and TIE-based phase imaging. , 2021, , .		0
17	Simultaneous three-dimensional tracking of a mother colony and a daughter colony of a moving Volvox by parallel phase-shifting digital holographic microscope. , 2021, , .		0
18	Extending recordable time of motion picture of magnified image of a propagating light pulse by digital light-in-flight holography. , 2021, , .		0

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19	Spatiotemporal observation of light propagation in a three-dimensional scattering medium. Scientific Reports, 2021, 11, 21890.	1.6	5
20	Analysis of the reconstructed images of light-in-flight recording by holographic microscopy when recording condition is changed. , 2021, , .		0
21	Digital Holographic Multimodal Cross-Sectional Fluorescence and Quantitative Phase Imaging System. Scientific Reports, 2020, 10, 7580.	1.6	22
22	Motion-picture recording of ultrafast behavior of polarized light incident at Brewster's angle. Scientific Reports, 2020, 10, 7638.	1.6	9
23	Common-path multimodal three-dimensional fluorescence and phase imaging system. Journal of Biomedical Optics, 2020, 25, 1.	1.4	52
24	Single-shot common-path off-axis dual-wavelength digital holographic microscopy. Applied Optics, 2020, 59, 7144.	0.9	23
25	Phase imaging of radiated sound field by parallel phase-shifting digital holography. , 2020, , .		0
26	Three-dimensional tracking of moving Volvox by parallel phase-shifting digital holographic microscope. , 2020, , .		0
27	Multi-wavelength digital holographic microscopy for bio-imaging and applications. , 2020, , .		1
28	Multimodal two-photon microscopy with electrical tunable lens. , 2020, , .		0
29	Modularized microscope based on parallel phase-shifting digital holography for imaging of living biospecimens. Journal of Biomedical Optics, 2020, 25, .	1.4	2
30	Simultaneous recording of multiple motion picture of 3D image of polarized light propagation. , 2020, , .		0
31	Plant Cell Observation by TIE-based Fluorescence Imaging. , 2020, , .		0
32	Stable Multimodal Three-Dimensional Imaging. , 2020, , .		0
33	Three-dimensional fluorescence imaging using the transport of intensity equation. Journal of Biomedical Optics, 2019, 25, 1.	1.4	19
34	Holographic multi-parameter imaging of dynamic phenomena with visual and audio features. Optics Letters, 2019, 44, 995.	1.7	15
35	Spatiotemporal observations of light propagation in multiple polarization states. Optics Letters, 2019, 44, 2069.	1.7	15
36	Extending the recordable time in light-in-flight recording by holography. , 2019, , .		0

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37	Observation of Plant Cell by Holographic 3D Illumination and Imaging Functional Optical Microscopy. , 2019, , .		0
38	Multimodal Digital Holographic Imaging for Cell Imaging. The Review of Laser Engineering, 2019, 47, 253.	0.0	0
39	Special Section Guest Editorial: Biomedical Imaging and Sensing. Journal of Biomedical Optics, 2019, 24, 1.	1.4	0
40	Active 3D fluorescence imaging based on holography. , 2019, , .		0
41	Vertical Microscope Based on Parallel Phase-Shifting Digital Holography. , 2018, , .		0
42	Review of three-dimensional imaging of dynamic objects by parallel phase-shifting digital holography. Optical Engineering, 2018, 57, 1.	0.5	7
43	Single-shot incoherent digital holography using parallel phase-shifting radial shearing interferometry. , 2018, , .		1
44	Extending recordable time of light-in-flight recording by holography with double reference light pulses. Optics Letters, 2018, 43, 5146.	1.7	12
45	Three-dimensional stimulation and imaging-based functional optical microscopy of biological cells. Optics Letters, 2018, 43, 5447.	1.7	42
46	Characteristics of vibration frequency measurement based on sound field imaging by digital holography. OSA Continuum, 2018, 1, 200.	1.8	25
47	Three-dimensional Fluorescence Imaging of Beads and Cancer Cells by Off-axis Incoherent Digital Holography. , 2018, , .		1
48	Single-shot simultaneous 3D multi-plane imaging. , 2018, , .		0
49	Multimodality of phase and fluorescence in digital holography. , 2018, , .		0
50	3D motion picture of transparent gas flow by parallel phase-shifting digital holography. , 2018, , .		0
51	Motion-picture phase imaging by an integrated optical system of a parallel phase-shifting digital holographic microscope. , 2018, , .		0
52	Parallel phase-shifting radial shearing interferometry and its numerical verification. , 2018, , .		0
53	Multimodal digital holographic microscopy for simultaneous phase and fluorescence imaging. , 2018, , .		0
54	Multi-dimensional digital holographic microscopy. , 2018, , .		0

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55	One million fps phase measurement by digital holography. , 2017, , .		0
56	Ultrafast 3D imaging by holography. , 2017, , .		1
57	Multimodal Imaging Based on Digital Holography. Proceedings of the IEEE, 2017, 105, 906-923.	16.4	34
58	Analysis of common-path incoherent digital holography using dual-focusing lens with diffraction gratings. Proceedings of SPIE, 2017, , .	0.8	0
59	Analysis of off-axis incoherent digital holographic microscopy. Proceedings of SPIE, 2017, , .	0.8	0
60	Common-path incoherent digital holography. , 2017, , .		0
61	Optical sound wave recording by digital holography with heterodyne technique. , 2017, , .		1
62	Three-dimensional motion-picture imaging of dynamic object by parallel-phase-shifting digital holographic microscopy using an inverted magnification optical system. Optical Review, 2017, 24, 206-211.	1.2	9
63	Simultaneous imaging of 3D phase and 3D fluorescence for biological application. , 2017, , .		0
64	3D tracking of micro object in liquid by parallel phase-shifting digital holographic microscope. , 2017, , .		0
65	Three-dimensional fluorescence imaging based on digital holography. , 2017, , .		0
66	Three-dimensional imaging of distribution of refractive index by parallel phase-shifting digital holography using Abel inversion. Optics Express, 2017, 25, 18066.	1.7	29
67	Single-shot incoherent digital holography using a dual-focusing lens with diffraction gratings. Optics Letters, 2017, 42, 383.	1.7	68
68	Image recovery from defocused 2D fluorescent images in multimodal digital holographic microscopy. Optics Letters, 2017, 42, 1796.	1.7	16
69	Parallel phase-shifting digital holography and its applications to high-speed 3D imaging and microscopy. , 2017, , .		1
70	Multi-modal digital holography for live cell imaging. , 2016, , .		0
71	Live cell imaging of Physcomitrella patens using a multi-modal digital holographic microscope. , 2016, , .		1
72	Improvement of reconstructed phase distribution of fast moving phase object in digital holographic microscope. Proceedings of SPIE, 2016, , .	0.8	0

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73	3D image reconstruction of transparent gas flow by parallel phase-shifting digital holography. , 2016, , .		1
74	Experimental verification of phase retrieval of microbeads in high-speed phase imaging using digital holography. Proceedings of SPIE, 2016, , .	0.8	0
75	Multi-modal digital holographic microscopy for wide-field fluorescence and 3D phase imaging. Proceedings of SPIE, 2016, , .	0.8	1
76	Parallel phase-shifting digital holography and its application to high-speed 3D imaging of dynamic object. Proceedings of SPIE, 2016, , .	0.8	0
77	High Dynamic Range Digital Holography and Its Demonstration by Off-Axis Configuration. IEEE Transactions on Industrial Informatics, 2016, 12, 1658-1663.	7.2	15
78	Multi-modal Digital Holographic Microscopy and Demonstration on Dual-excitation Fluorescence. , 2016, , .		2
79	Recovery of Fluorescent Bead Image by Phase Compensation method Based on the Defocusing Distance. , 2016, , .		0
80	Parallel phase-shifting digital holography system using dual polarization-imaging cameras for 3D imaging of transparent dynamic object. , 2016, , .		1
81	Single-shot 3D measurement by multi-wavelength parallel phase-shifting digital holography. , 2015, , .		1
82	Hybrid digital holographic microscope for simultaneous measurement of 3D phase and 3D fluorescence distributions and its signal processing. , 2015, , .		1
83	A hybrid digital holographic microscope. , 2015, , .		0
84	Phase and fluorescence imaging by combination of digital holographic microscopy and fluorescence microscopy. Optical Review, 2015, 22, 349-353.	1.2	58
85	Phase measurement using high-speed movable stage by digital holography under CW laser illumination. , 2015, , .		0
86	High-speed 3D imaging by parallel phase-shifting digital holography. Proceedings of SPIE, 2015, , .	0.8	0
87	One-mega frame-per-second phase-shifting digital holography. , 2015, , .		0
88	A hybrid digital holographic microscopy for biological applications. Proceedings of SPIE, 2015, , .	0.8	0
89	Optical voice recorder by off-axis digital holography. Optics Letters, 2014, 39, 6549.	1.7	63
90	Reflection characteristics of guided-mode resonance filter combined with bottom mirror. Optics Letters, 2014, 39, 1893.	1.7	19

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91	Parallel phase-shifting digital holography using spectral estimation technique. Applied Optics, 2014, 53, G123.	0.9	13
92	Portable parallel phase-shifting digital holography systems. , 2014, , .		0
93	Single-shot dual-wavelength phase unwrapping in parallel phase-shifting digital holography. Optics Letters, 2014, 39, 2374.	1.7	30
94	Optimal cavity length in cavity-resonator-integrated guided-mode resonance filter. , 2014, , .		0
95	One million fps digital holography. Electronics Letters, 2014, 50, 1693-1695.	0.5	42
96	Combined blazed grating and microlens array for color image sensing. Japanese Journal of Applied Physics, 2014, 53, 032501.	0.8	7
97	Superresolution of interference fringes in parallel four-step phase-shifting digital holography. Optics Letters, 2014, 39, 1673.	1.7	9
98	Proposal of integrated-optic wavelength-selective modulator based on coupling-efficiency control of distributed Bragg reflector in straight waveguide. , 2014, , .		0
99	A4-Sized Parallel Phase-Shifting Digital Holography System. Journal of Display Technology, 2014, 10, 132-137.	1.3	13
100	Digital Holography Using Spectral Estimation Technique. Journal of Display Technology, 2014, 10, 235-242.	1.3	9
101	Multi-parameter motion-picture recording with wide space-bandwidth by parallel phase-shifting digital holography. Proceedings of SPIE, 2014, , .	0.8	0
102	Experimental demonstration of parallel phase-shifting digital holography under weak light condition. Proceedings of SPIE, 2014, , .	0.8	0
103	Single-Shot Digital Holography Using a Spectral Estimation Technique. Applied Spectroscopy, 2014, 68, 1296-1301.	1.2	2
104	Spectroscopic measurement for fruit using spectral estimation digital holography. , 2014, , .		0
105	Measurement of Cavity Length in Cavity-Resonator-Integrated Guided-Mode Resonance Filter. , 2014, , .		0
106	Effect of intensity quantization level in parallel phase-shifting digital holography. Optical Review, 2013, 20, 463-468.	1.2	8
107	Space-bandwidth extension in single-shot digital holography using spatial carrier. , 2013, , .		1
108	Digital holographic spectroscopy using spectral estimation technique. , 2013, , .		2

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109	Method for extending the space bandwidth in parallel phase-shifting digital holography using a commercially available polarization-imaging camera. , 2013, , .		0
110	High-speed holographic 3D sensing for fast phenomena by parallel phase-shifting interferometry. , 2013, , .		0
111	Motion-picture recording of polarized light propagating in optical medium. , 2013, , .		0
112	Proposal of waveguide interferometer for inline wavelength-selective modulator. , 2013, , .		1
113	Direct coupling of cavity-resonator-integrated guided-mode resonance filter to a single-mode optical fiber. , 2013, , .		0
114	Reflection characteristics of cavity-resonator-integrated guided-mode resonance mirror. , 2013, , .		0
115	Single-shot 3-D sensing of micro-meter height by multi-wavelength parallel phase-shifting digital holography. , 2013, , .		0
116	Simultaneous acquisition of 3D shape and multi-spectral image based on parallel phase-shifting dual-illumination phase unwrapping. , 2013, , .		0
117	Assessment of fast recording in parallel phase-shifting digital holography. , 2013, , .		1
118	Removal of residual images in parallel phase-shifting digital holography. Optical Review, 2013, 20, 7-12.	1.2	5
119	Digital Holography Using High Dynamic-Range Imaging. , 2013, , .		2
120	Cavity-resonator-integrated guided-mode resonance filters. Proceedings of SPIE, 2013, , .	0.8	0
121	Performance comparison of bilinear interpolation, bicubic interpolation, and B-spline interpolation in parallel phase-shifting digital holography. Optical Review, 2013, 20, 193-197.	1.2	26
122	Image reconstruction algorithm for recovering high-frequency information in parallel phase-shifting digital holography [Invited]. Applied Optics, 2013, 52, A210.	0.9	29
123	Assessment of weak light condition in parallel four-step phase-shifting digital holography. Applied Optics, 2013, 52, A131.	0.9	15
124	Observation of femtosecond light pulse propagation by using digital light-in-flight recording by holography. , 2013, , .		1
125	Multiwavelength parallel phase-shifting digital holography using angular multiplexing. Optics Letters, 2013, 38, 2789.	1.7	25
126	Space-bandwidth extension in parallel phase-shifting digital holography using a four-channel polarization-imaging camera. Optics Letters, 2013, 38, 2463.	1.7	11

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127	Parallel phase-shifting digital holography using LCOS-SLM. , 2013, , .		1
128	Light-in-Flight Recording by Parallel Phase-Shifting Digital Holography. Applied Physics Express, 2013, 6, 092501.	1.1	19
129	High-speed multi-color three-dimensional motion picture recording by multi-wavelength parallel phase-shifting digital holography. , 2013, , .		0
130	Reflection-phase variation of cavity-resonator-integrated guided-mode-resonance reflector for guided-mode-exciting surface laser mirror. , 2013, , .		14
131	Influence of spatial coherence degree in fluorescence digital holography. , 2013, , .		3
132	Algorithm for compensating the non-diffraction wave in the reconstructed image in polarization-based parallel phase-shifting digital holography. , 2013, , .		0
133	Experimental evaluation of depth of focus by MTF in digital holographic microscopy. , 2013, , .		0
134	Cavity-resonator-integrated guided-mode resonance filter in channel waveguide. IEICE Electronics Express, 2013, 10, 20130444-20130444.	0.3	26
135	3D motion picture recording by parallel phase-shifting digital holographic microscopy. , 2013, , .		0
136	Space-Bandwidth Capacity-Enhanced Digital Holography. Applied Physics Express, 2013, 6, 022502.	1.1	26
137	Quantitative Visualization of Dynamic and Transparent Object by Parallel Phase-shifting Digital Holography. Journal of the Japan Society for Precision Engineering, 2013, 79, 622-625.	0.0	0
138	Cavity-resonator-integrated guided-mode resonance filter consisting of curved gratings. Electronics Letters, 2012, 48, 717.	0.5	23
139	Single-shot femtosecond-pulsed phase-shifting digital holography. Optics Express, 2012, 20, 20286.	1.7	56
140	Spatial-carrier phase-shifting digital holography utilizing spatial frequency analysis for the correction of the phase-shift error. Optics Letters, 2012, 37, 148.	1.7	20
141	Algorithm for reconstructing wide space-bandwidth information in parallel two-step phase-shifting digital holography. Optics Express, 2012, 20, 19806.	1.7	14
142	Parallel phase-shifting digital holography with adaptive function using phase-mode spatial light modulator. Applied Optics, 2012, 51, 2633.	0.9	63
143	Aperture Miniaturization of Guided-Mode Resonance Filter by Cavity Resonator Integration. Applied Physics Express, 2012, 5, 022201.	1.1	58
144	Cavity-resonator-integrated guided-mode resonance filter with reflection phase variation. , 2012, , .		1

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145	Different-guided-mode-coupling DBR for inline wavelength-selective modulator. , 2012, , .		0
146	Optical I/O couplers for WDM optical-interconnect system in package. , 2012, , .		0
147	Guided-mode resonance filter integrated with a resonator of curved DBRs. , 2012, , .		0
148	Small-aperture guided-mode-resonance filter with cavity resonators. , 2012, , .		0
149	Single-shot dual-illumination phase unwrapping using a single wavelength. Optics Letters, 2012, 37, 4002.	1.7	20
150	High-Speed Three-Dimensional Microscope for Dynamically Moving Biological Objects Based on Parallel Phase-Shifting Digital Holographic Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1387-1393.	1.9	56
151	Parallel phase-shifting dual-illumination phase unwrapping. Optical Review, 2012, 19, 366-370.	1.2	6
152	A compound of RGB-splitter and condensers for compact image sensor. , 2012, , .		0
153	Four-Wavelength Color Digital Holography. Journal of Display Technology, 2012, 8, 570-576.	1.3	37
154	Observation of femtosecond light pulse propagation by digital holography. , 2012, , .		0
155	Evaluation of parallel phase-shifting digital holography by photon-counting method. , 2012, , .		0
156	Parallel phase-shifting digital holography system using a high-speed camera. Proceedings of SPIE, 2012, , .	0.8	0
157	Combination of recording wavelengths for improvement of color reproduction of color digital holography using spectral estimation. , 2012, , .		0
158	Fabrication of Embedded 45-Degree Micromirror Using Liquid-Immersion Exposure for Single-Mode Optical Waveguides. Journal of Lightwave Technology, 2012, 30, 1563-1568.	2.7	20
159	Digital Light-in-Flight Recording by Holography by Use of a Femtosecond Pulsed Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 479-485.	1.9	49
160	High-speed 4-D biological microscope based on parallel phase-shifting digital holography. , 2012, , .		0
161	High-speed 3-D motion-picture recording by parallel phase-shifting digital holography. , 2012, , .		0
162	Parallel phase-shifting digital holography for recording 3-D motion pictures of dynamic phenomena. , 2012, , .		0

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163	Single-shot phase-shifting digital holographic microscopy. , 2011, , .		0
164	High-speed parallel phase-shifting digital holography. , 2011, , .		2
165	Parallel phase-shifting digital holography. , 2011, , .		0
166	Compensation algorithm for the phase-shift error of polarization-based parallel two-step phase-shifting digital holography. Applied Optics, 2011, 50, B31.	2.1	12
167	Improvement of color reproduction in color digital holography by using spectral estimation technique. Applied Optics, 2011, 50, H177.	2.1	52
168	Proposal of small-aperture guided-mode resonance filter. , 2011, , .		30
169	In-line rotation sensor based on VCSEL behavior under polarization-rotating optical feedback. Optics Express, 2011, 19, 23683.	1.7	16
170	Single-shot polarization-imaging digital holography based on simultaneous phase-shifting interferometry. Optics Letters, 2011, 36, 3254.	1.7	36
171	High-speed phase imaging by parallel phase-shifting digital holography. Optics Letters, 2011, 36, 4131.	1.7	157
172	Widening of the field of view in parallel two-step phase-shifting digital holography. , 2011, , .		0
173	Removing the Residual Zeroth-Order Diffraction Wave in Polarization-Based Parallel Phase-Shifting Digital Holography System. Applied Physics Express, 2011, 4, 072501.	1.1	11
174	Integrated-Optic Free-Space-Wave Coupler for Package-Level On-Board Optical Interconnects. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 590-596.	1.9	8
175	Optical-path-length-shifting color digital holography. Optical Review, 2011, 18, 180-183.	1.2	4
176	Phase-shifting mask design for interference exposure of chirp blazed grating. Optical Review, 2011, 18, 99-102.	1.2	1
177	Moving picture recording and observation of femtosecond light pulse propagation using a rewritable holographic material. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 646, 200-203.	0.7	4
178	Moving Picture Recording and Observation of Visible Femtosecond Light Pulse Propagation. Japanese Journal of Applied Physics, 2011, 50, 050205.	0.8	12
179	262500-Frames-Per-Second Phase-Shifting Digital Holography. , 2011, , .		7
180	Construction of a portable parallel phase-shifting digital holography system. Optical Engineering, 2011, 50, 091304.	0.5	15

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181	Parallel Phase-Shifting Digital Holography Using Femtosecond Laser Pulse. , 2011, , .		1
182	Moving Picture Recording and Observation of Visible Femtosecond Light Pulse Propagation. Japanese Journal of Applied Physics, 2011, 50, 050205.	0.8	3
183	Three-Dimensional Imaging by Portable Parallel Phase-Shifting Digital Holography System. , 2011, , .		0
184	High-Speed Imaging of Gas Flow by Parallel Phase-Shifting Digital Holography. , 2011, , .		8
185	Four-dimensional imaging by parallel phase-shifting digital holographic microscopy. , 2011, , .		0
186	Observation of moving picture of femtosecond light pulse propagation magnified by microscope objective. , 2011, , .		1
187	Parallel phase-shifting color digital holographic microscopy. 3D Research, 2010, 1, 1.	1.8	22
188	Parallel Phase-Shifting Digital Holography Capable of Simultaneously Capturing Visible and Invisible Three-Dimensional Information. Journal of Display Technology, 2010, 6, 472-478.	1.3	21
189	Parallel two-step phase-shifting digital holography using polarization. Optical Review, 2010, 17, 108-113.	1.2	30
190	Comparative analysis and quantitative evaluation of the field of view and the viewing zone of single-shot phase-shifting digital holography using space-division multiplexing. Optical Review, 2010, 17, 519-524.	1.2	34
191	Removal of non-diffraction wave in optical-path-length-shifting digital holography. , 2010, , .		0
192	20000-frames-per-second phase-shifting digital holography. , 2010, , .		4
193	Continuous Emission-Point Shift in Vertical-Cavity Surface-Emitting Laser Controlled by Optical Feedback. Japanese Journal of Applied Physics, 2010, 49, 010206.	0.8	0
194	Parallel phase-shifting digital holographic microscopy. Biomedical Optics Express, 2010, 1, 610.	1.5	94
195	Image quality improvement of parallel four-step phase-shifting digital holography by using the algorithm of parallel two-step phase-shifting digital holography. Optics Express, 2010, 18, 9555.	1.7	59
196	Experimental demonstration of parallel two-step phase-shifting digital holography. Optics Express, 2010, 18, 18975.	1.7	93
197	Cavity-resonator-integrated grating input/output couplers for WDM optical-interconnect system in package. , 2010, , .		0
198	Single-Shot Optical-Path-Length-Shifting Color Digital Holography. , 2010, , .		0

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199	Single-shot optical-path-length-shifting digital holography. , 2009, , .		0
200	Light-in-Flight Recording by Holographic Microscope and Its Numerical Verification. Japanese Journal of Applied Physics, 2009, 48, 09LD01.	0.8	11
201	Parallel optical-path-length-shifting digital holography. Applied Optics, 2009, 48, H160.	2.1	19
202	Parallel phase-shifting color digital holography using two phase shifts. Applied Optics, 2009, 48, H244.	2.1	48
203	Numerical verification of single-shot two-step phase-shifting color digital holography. , 2009, , .		1
204	Moving picture recording and reconstruction of visible ultrashort light pulse propagation in diffusive medium. , 2009, , .		0
205	Parallel two-step phase-shifting digital holography. Applied Optics, 2008, 47, D183.	2.1	193
206	Design of resonance grating coupler. Optics Express, 2008, 16, 12207.	1.7	40
207	Quantitative Evaluation of Reconstructed Images of Parallel Phase-Shifting Digital Holographies. , 2008, , .		0
208	Gigabits-per-Second Signal Transmission from Single-Mode Vertical-Cavity Surface-Emitting Laser via Thin-Film Waveguide for Wavelength-Division-Multiplexing Optical Interconnect Board. Japanese Journal of Applied Physics, 2008, 47, 6664-6666.	0.8	10
209	Improving image quality of parallel phase-shifting digital holography. Journal of Physics: Conference Series, 2008, 139, 012009.	0.3	2
210	Moving Picture Of Three-Dimensional Image Of Femtosecond Light Pulse Propagating in Three-Dimensional Space. AIP Conference Proceedings, 2007, , .	0.3	1
211	Moving picture recording and observation of three-dimensional image of femtosecond light pulse propagation. Optics Express, 2007, 15, 14348.	1.7	63
212	Single-shot phase-shifting color digital holography. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	2
213	Signal Transmission from VCSEL in Thin-Film-Waveguide WDM Optical Interconnects Board. , 2007, , .		0
214	Scheme to improve the reconstructed image in parallel quasi-phase-shifting digital holography. Applied Optics, 2006, 45, 968.	2.1	39
215	Parallel three-step phase-shifting digital holography. Applied Optics, 2006, 45, 2995.	2.1	117
216	<title>Observation of femtosecond light pulse propagating in space and time</title>. , 2006, 6252, 398.		0

#	ARTICLE	IF	CITATIONS
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