

Osamu Matoba

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361
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4,977
ext. citations

2.2
avg, IF

5.48
L-index

#	Paper	IF	Citations
227	Encrypted optical memory system using three-dimensional keys in the Fresnel domain. <i>Optics Letters</i> , 1999 , 24, 762-4	3	392
226	. <i>Proceedings of the IEEE</i> , 2009 , 97, 1128-1148	14.3	232
225	Optoelectronic information encryption with phase-shifting interferometry. <i>Applied Optics</i> , 2000 , 39, 2313-20	1.7	154
224	Parallel two-step phase-shifting digital holography. <i>Applied Optics</i> , 2008 , 47, D183-9	1.7	143
223	Real-time three-dimensional object reconstruction by use of a phase-encoded digital hologram. <i>Applied Optics</i> , 2002 , 41, 6187-92	1.7	136
222	. <i>Proceedings of the IEEE</i> , 2006 , 94, 636-653	14.3	127
221	High-speed phase imaging by parallel phase-shifting digital holography. <i>Optics Letters</i> , 2011 , 36, 4131-3	3	97
220	Encrypted optical storage with angular multiplexing. <i>Applied Optics</i> , 1999 , 38, 7288-93	1.7	92
219	Parallel three-step phase-shifting digital holography. <i>Applied Optics</i> , 2006 , 45, 2995-3002	1.7	86
218	Shift-invariant three-dimensional object recognition by means of digital holography. <i>Applied Optics</i> , 2001 , 40, 3877-86	1.7	78
217	Digital holography and its multidimensional imaging applications: a review. <i>Microscopy (Oxford, England)</i> , 2018 , 67, 55-67	1.3	74
216	Secure optical memory system with polarization encryption. <i>Applied Optics</i> , 2001 , 40, 2310-5	1.7	72
215	Secure optical storage that uses fully phase encryption. <i>Applied Optics</i> , 2000 , 39, 6689-94	1.7	70
214	Encrypted optical storage with wavelength-key and random phase codes. <i>Applied Optics</i> , 1999 , 38, 6785-90	1.7	63
213	Experimental demonstration of parallel two-step phase-shifting digital holography. <i>Optics Express</i> , 2010 , 18, 18975-80	3.3	62
212	Parallel phase-shifting digital holographic microscopy. <i>Biomedical Optics Express</i> , 2010 , 1, 610-616	3.5	61
211	Secure holographic memory by double-random polarization encryption. <i>Applied Optics</i> , 2004 , 43, 2915-9	1.7	61

210	Optical retrieval of encrypted digital holograms for secure real-time display. <i>Optics Letters</i> , 2002 , 27, 321-3	3	57
209	Real-time three-dimensional object recognition with multiple perspectives imaging. <i>Applied Optics</i> , 2001 , 40, 3318-25	1.7	54
208	Parallel phase-shifting digital holography with adaptive function using phase-mode spatial light modulator. <i>Applied Optics</i> , 2012 , 51, 2633-7	1.7	48
207	Image quality improvement of parallel four-step phase-shifting digital holography by using the algorithm of parallel two-step phase-shifting digital holography. <i>Optics Express</i> , 2010 , 18, 9555-60	3.3	47
206	Single-shot incoherent digital holography using a dual-focusing lens with diffraction gratings. <i>Optics Letters</i> , 2017 , 42, 383-386	3	44
205	Transmissive optical imaging device with micromirror array 2006 , 6392, 130		44
204	Three-dimensional polarimetric integral imaging. <i>Optics Letters</i> , 2004 , 29, 2375-7	3	40
203	Multidimensional optical sensor and imaging system. <i>Applied Optics</i> , 2006 , 45, 2986-94	1.7	39
202	Comparison of passive ranging integral imaging and active imaging digital holography for three-dimensional object recognition. <i>Applied Optics</i> , 2004 , 43, 452-62	1.7	39
201	Improvement of color reproduction in color digital holography by using spectral estimation technique. <i>Applied Optics</i> , 2011 , 50, H177-82	0.2	38
200	Parallel phase-shifting color digital holography using two phase shifts. <i>Applied Optics</i> , 2009 , 48, H244-50	0.2	37
199	Phase and fluorescence imaging by combination of digital holographic microscopy and fluorescence microscopy. <i>Optical Review</i> , 2015 , 22, 349-353	0.9	35
198	Optical voice recorder by off-axis digital holography. <i>Optics Letters</i> , 2014 , 39, 6549-52	3	35
197	High-Speed Three-Dimensional Microscope for Dynamically Moving Biological Objects Based on Parallel Phase-Shifting Digital Holographic Microscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 1387-1393	3.8	32
196	Fabrication experiment of photorefractive three-dimensional waveguides in lithium niobate. <i>Optics Letters</i> , 1994 , 19, 652-4	3	32
195	Single-shot polarization-imaging digital holography based on simultaneous phase-shifting interferometry. <i>Optics Letters</i> , 2011 , 36, 3254-6	3	31
194	Single-shot femtosecond-pulsed phase-shifting digital holography. <i>Optics Express</i> , 2012 , 20, 20286-91	3.3	30
193	Four-Wavelength Color Digital Holography. <i>Journal of Display Technology</i> , 2012 , 8, 570-576		29

192	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. <i>Optical Review</i> , 2010 , 17, 519-524	0.9	29
191	Common-path multimodal three-dimensional fluorescence and phase imaging system. <i>Journal of Biomedical Optics</i> , 2020 , 25, 1-15	3.5	29
190	Optical voice encryption based on digital holography. <i>Optics Letters</i> , 2017 , 42, 4619-4622	3	27
189	Multimodal Imaging Based on Digital Holography. <i>Proceedings of the IEEE</i> , 2017 , 105, 906-923	14.3	26
188	Image reconstruction algorithm for recovering high-frequency information in parallel phase-shifting digital holography [Invited]. <i>Applied Optics</i> , 2013 , 52, A210-5	1.7	23
187	Single-shot dual-wavelength phase unwrapping in parallel phase-shifting digital holography. <i>Optics Letters</i> , 2014 , 39, 2374-7	3	22
186	Injection locking of a broad-area diode laser through a double phase-conjugate mirror. <i>Optics Communications</i> , 1998 , 146, 6-10	2	22
185	Reflection-type holographic disk memory with random phase shift multiplexing. <i>Applied Optics</i> , 2006 , 45, 3270-4	1.7	22
184	Improvement in holographic storage capacity by use of double-random phase encryption. <i>Applied Optics</i> , 2001 , 40, 4721-7	1.7	22
183	Three-dimensional stimulation and imaging-based functional optical microscopy of biological cells. <i>Optics Letters</i> , 2018 , 43, 5447-5450	3	22
182	Array of photorefractive waveguides for massively parallel optical interconnections in lithium niobate. <i>Optics Letters</i> , 1996 , 21, 122-4	3	21
181	Parallel two-step phase-shifting digital holography using polarization. <i>Optical Review</i> , 2010 , 17, 108-113	0.9	20
180	Secure three-dimensional data transmission and display. <i>Applied Optics</i> , 2004 , 43, 2285-91	1.7	20
179	Narrow bandwidth operation of high-power broad-area diode laser using cascaded phase-conjugate injection locking. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 1021-1025	1.9	20
178	Imaging Characteristics of Transmission-Type Volume Holographic Imaging Elements. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 605-611	1.4	19
177	Segmented photorefractive waveguides in LiNbO ₃ :Fe. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 2006	1.7	19
176	Space-Bandwidth Capacity-Enhanced Digital Holography. <i>Applied Physics Express</i> , 2013 , 6, 022502	2.4	19
175	One million fps digital holography. <i>Electronics Letters</i> , 2014 , 50, 1693-1695	1.1	18

174	Spatial-carrier phase-shifting digital holography utilizing spatial frequency analysis for the correction of the phase-shift error. <i>Optics Letters</i> , 2012 , 37, 148-50	3	18
173	Parallel phase-shifting color digital holographic microscopy. <i>3D Research</i> , 2010 , 1, 1	2.4	17
172	Parallel Phase-Shifting Digital Holography Capable of Simultaneously Capturing Visible and Invisible Three-Dimensional Information. <i>Journal of Display Technology</i> , 2010 , 6, 472-478		17
171	Secure ultrafast communication with spatial-temporal converters. <i>Applied Optics</i> , 2000 , 39, 2975-81	1.7	17
170	Performance comparison of bilinear interpolation, bicubic interpolation, and B-spline interpolation in parallel phase-shifting digital holography. <i>Optical Review</i> , 2013 , 20, 193-197	0.9	16
169	Numerical estimation of storage capacity in reflection-type holographic disk memory with three-dimensional speckle-shift multiplexing. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009 , 26, 2269-74	1.8	16
168	Three-dimensional imaging of distribution of refractive index by parallel phase-shifting digital holography using Abel inversion. <i>Optics Express</i> , 2017 , 25, 18066-18071	3.3	15
167	Numerical evaluation of angular multiplexing in reflection-type holographic data storage in photopolymer with shrinkage. <i>Applied Optics</i> , 2010 , 49, 694-700	0.2	15
166	Characteristics of vibration frequency measurement based on sound field imaging by digital holography. <i>OSA Continuum</i> , 2018 , 1, 200	1.4	15
165	Fast acquisition system for digital holograms and image processing for three-dimensional display with data manipulation. <i>Applied Optics</i> , 2006 , 45, 8945-50	1.7	14
164	Photorefractive and photochromic properties of Ru doped Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ crystal. <i>Optics Communications</i> , 2002 , 213, 373-378	2	14
163	Multiwavelength parallel phase-shifting digital holography using angular multiplexing. <i>Optics Letters</i> , 2013 , 38, 2789-91	3	13
162	Comparative evaluation of the image-reconstruction algorithms of single-shot phase-shifting digital holography. <i>Journal of Electronic Imaging</i> , 2012 , 21, 013021	0.7	13
161	Image-based numerical evaluation techniques in volume holographic memory systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 792	1.7	13
160	Parallel optical-path-length-shifting digital holography. <i>Applied Optics</i> , 2009 , 48, H160-7	0.2	12
159	Modification of Photorefractive Waveguides in Lithium Niobate by Guided Beam for Optical Dynamic Interconnection. <i>Optical Review</i> , 1995 , 2, 438-443	0.9	12
158	Digital four-step phase-shifting technique from a single fringe pattern using Riesz transform. <i>Optics Letters</i> , 2019 , 44, 3434-3437	3	12
157	Speckle denoising techniques in imaging systems. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 063001	1.7	11

156	Improvement of Image Quality of 3D Display by Using Optimized Binary Phase Modulation and Intensity Accumulation. <i>Journal of Display Technology</i> , 2016 , 12, 472-477		11
155	Half-data-page insertion method for increasing recording density in angular multiplexing holographic memory. <i>Applied Optics</i> , 2011 , 50, 2361-9	0.2	11
154	Removing the Residual Zeroth-Order Diffraction Wave in Polarization-Based Parallel Phase-Shifting Digital Holography System. <i>Applied Physics Express</i> , 2011 , 4, 072501	2.4	11
153	Construction of a portable parallel phase-shifting digital holography system. <i>Optical Engineering</i> , 2011 , 50, 091304	1.1	11
152	Single-shot dual-illumination phase unwrapping using a single wavelength. <i>Optics Letters</i> , 2012 , 37, 4002-4	3.4	11
151	Fabrication of controlled volume scattering medium in poly(methyl methacrylate) by focused femtosecond laser pulses. <i>Applied Physics Letters</i> , 2009 , 95, 221114	3.4	11
150	Optical authentication method using a three-dimensional phase object with various wavelength readouts. <i>Applied Optics</i> , 2008 , 47, 4400-4	0.2	11
149	Speckle denoising by variant nonlocal means methods. <i>Applied Optics</i> , 2019 , 58, 7110-7120	1.7	11
148	Parallel phase-shifting digital holography using spectral estimation technique. <i>Applied Optics</i> , 2014 , 53, G123-9	1.7	10
147	Assessment of weak light condition in parallel four-step phase-shifting digital holography. <i>Applied Optics</i> , 2013 , 52, A131-5	1.7	10
146	Light-in-Flight Recording by Parallel Phase-Shifting Digital Holography. <i>Applied Physics Express</i> , 2013 , 6, 092501	2.4	10
145	Compensation algorithm for the phase-shift error of polarization-based parallel two-step phase-shifting digital holography. <i>Applied Optics</i> , 2011 , 50, B31-7	0.2	10
144	Algorithm for reconstructing wide space-bandwidth information in parallel two-step phase-shifting digital holography. <i>Optics Express</i> , 2012 , 20, 19806-14	3.3	10
143	Fabrication of a two-dimensional array of photorefractive waveguides in LiNbO ₃ :Fe using non-diffracting checkered pattern. <i>Optics Communications</i> , 1998 , 145, 150-154	2	10
142	Advances in passive imaging elements with micromirror array 2008 ,		10
141	The keys to holographic data security. <i>IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems</i> , 2000 , 16, 8-15		10
140	Three-dimensional fluorescence imaging using the transport of intensity equation. <i>Journal of Biomedical Optics</i> , 2019 , 25, 1-7	3.5	10
139	Security-enhanced optical voice encryption in various domains and comparative analysis. <i>Applied Optics</i> , 2019 , 58, 3013-3022	1.7	10

138	Astigmatism and deformation correction for a holographic head-mounted display with a wedge-shaped holographic waveguide. <i>Applied Optics</i> , 2018 , 57, 7094-7101	1.7	9
137	Image recovery from defocused 2D fluorescent images in multimodal digital holographic microscopy. <i>Optics Letters</i> , 2017 , 42, 1796-1799	3	9
136	Iterative algorithm of phase determination in digital holography for real-time recording of real objects. <i>Applied Optics</i> , 2007 , 46, 6849-53	1.7	9
135	Single-shot common-path off-axis dual-wavelength digital holographic microscopy. <i>Applied Optics</i> , 2020 , 59, 7144-7152	1.7	9
134	Holographic multi-parameter imaging of dynamic phenomena with visual and audio features. <i>Optics Letters</i> , 2019 , 44, 995-998	3	9
133	High Dynamic Range Digital Holography and Its Demonstration by Off-Axis Configuration. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1658-1663	11.9	8
132	A4-Sized Parallel Phase-Shifting Digital Holography System. <i>Journal of Display Technology</i> , 2014 , 10, 132-137		8
131	Digital Holography Using Spectral Estimation Technique. <i>Journal of Display Technology</i> , 2014 , 10, 235-242		8
130	Space-bandwidth extension in parallel phase-shifting digital holography using a four-channel polarization-imaging camera. <i>Optics Letters</i> , 2013 , 38, 2463-5	3	8
129	Parallel processing for multiplication modulo by means of phase modulation. <i>Applied Optics</i> , 2008 , 47, 611-6	1.7	8
128	Three-dimensional shift selectivity in reflection-type holographic disk memory with speckle shift recording. <i>Applied Optics</i> , 2007 , 46, 1460-6	1.7	8
127	Structural Design of Nonlinear optical Chromophores for High-Performance Photorefractive Polymers. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 2699-2704	1.4	8
126	Single-shot common-path off-axis digital holography: applications in bioimaging and optical metrology [Invited]. <i>Applied Optics</i> , 2021 , 60, A195-A204	1.7	8
125	Digital Holographic Multimodal Cross-Sectional Fluorescence and Quantitative Phase Imaging System. <i>Scientific Reports</i> , 2020 , 10, 7580	4.9	7
124	Superresolution of interference fringes in parallel four-step phase-shifting digital holography. <i>Optics Letters</i> , 2014 , 39, 1673-6	3	7
123	High-speed cross-sectional imaging of valuable documents using common-path swept-source optical coherence tomography. <i>Applied Optics</i> , 2011 , 50, H165-70	0.2	7
122	Wide-Angle Wavefront Reconstruction Near Display Plane in Three-Dimensional Display System. <i>Journal of Display Technology</i> , 2010 , 6, 517-521		7
121	Speckle-Shift Multiplexing along Axial Direction in Reflection-Type Holographic Memory. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 3832-3836	1.4	7

120	Photorefractive optics in dynamic interconnection. <i>Proceedings of the IEEE</i> , 1999 , 87, 2030-2049	14.3	7
119	Interferenceless coded aperture correlation holography with synthetic point spread holograms. <i>Applied Optics</i> , 2020 , 59, 7321-7329	1.7	7
118	Three-dimensional motion-picture imaging of dynamic object by parallel-phase-shifting digital holographic microscopy using an inverted magnification optical system. <i>Optical Review</i> , 2017 , 24, 206-219	1.9	6
117	Detection and evaluation of security features embedded in paper using spectral-domain optical coherence tomography. <i>Optical Review</i> , 2011 , 18, 171-175	0.9	6
116	Three-dimensional measurement and imaging based on multicameras randomly distributed on the circumference. <i>Applied Optics</i> , 2008 , 47, 594-601	1.7	6
115	Nonuniform and off-axis structures for photorefractive waveguides in lithium niobate. <i>Optical Engineering</i> , 1996 , 35, 2175	1.1	6
114	Analysis of Photo-Induced Waveguide in Lithium Niobate Crystal. <i>Optical Review</i> , 1994 , 1, 73-75	0.9	6
113	Learning Generalization by Validation Set. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 2459-2462	1.4	6
112	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	3.8	6
111	Experimental verification of reconstructed absorbers embedded in scattering media by optical power ratio distribution. <i>Applied Optics</i> , 2016 , 55, 6874-9	0.2	5
110	Removal of residual images in parallel phase-shifting digital holography. <i>Optical Review</i> , 2013 , 20, 7-12	0.9	5
109	Mutually pumped phase conjugators with picosecond pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 1971	1.7	5
108	Review of three-dimensional imaging of dynamic objects by parallel phase-shifting digital holography. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	5
107	High-speed imaging of the sound field by parallel phase-shifting digital holography. <i>Applied Optics</i> , 2021 , 60, A179-A187	1.7	5
106	Astigmatism correction and quality optimization of computer-generated holograms for holographic waveguide displays. <i>Optics Express</i> , 2020 , 28, 5519-5527	3.3	5
105	Improvement of Storage Capacity Using Confocal Scheme in Reflection-Type Holographic Memory System with Speckle Shift Multiplexing. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09ME08	1.4	5
104	Improvement of a System for Prime Factorization Based on Optical Interferometer. <i>Lecture Notes in Computer Science</i> , 2009 , 124-129	0.9	5
103	Pain induces stable, active microcircuits in the somatosensory cortex that provide a therapeutic target. <i>Science Advances</i> , 2021 , 7,	14.3	5

102	Sound wave detection by common-path digital holography. <i>Optics and Lasers in Engineering</i> , 2021 , 137, 106331	4.6	5
101	Tracking system by phase conjugation for laser energy transmission 2007 ,		4
100	ODINN in LiN: optical dynamic interconnections for neural networks in lithium niobate 1995 ,		4
99	Optical multimodal biometric encryption that uses digital holography. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 115703	1.7	4
98	Effect of intensity quantization level in parallel phase-shifting digital holography. <i>Optical Review</i> , 2013 , 20, 463-468	0.9	3
97	Influence of spatial coherence degree in fluorescence digital holography 2013 ,		3
96	Optical-path-length-shifting color digital holography. <i>Optical Review</i> , 2011 , 18, 180-183	0.9	3
95	An Optical Parallel System for Prime Factorization. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09LA021.4		3
94	Multiresolution Coding Using Amplitude and Phase Modulations for Holographic Data Storage. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09ME04	1.4	3
93	Secure data storage by three-dimensional absorbers in highly scattering volume medium. <i>Journal of Physics: Conference Series</i> , 2008 , 139, 012003	0.3	3
92	Optical retrodirective tracking system approach using an array of phase conjugators for communication and power transmission. <i>Applied Optics</i> , 2007 , 46, 4633-41	1.7	3
91	Detection of small in-plane vibrations using the polarization self-modulation effect in GaP. <i>Journal of Optics</i> , 2003 , 5, S457-S461		3
90	Photorefractive effect in the relaxor ferroelectric material 0.91Pb(Zn1/3Nb2/3)O3-0.09PbTiO3. <i>Optics Letters</i> , 2003 , 28, 420-2	3	3
89	Three-dimensional object reconstruction using phase-only information from a digital hologram 2002 ,		3
88	Secure Ultrafast Data Communication and Processing. <i>Optics and Photonics News</i> , 2002 , 13, 70	1.9	3
87	Characteristics of Weight Function in a Steady-state Diffusion Optical Tomography. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2007 , 127, 397-401	0.2	3
86	An Optical Interferometer for Parallel Modulo Operation. <i>The Review of Laser Engineering</i> , 2008 , 36, 1327-1330;		
85	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	4.6	3

84	Hamiltonian-based ray-tracing method with triangular-mesh representation for a large-scale cloaking device with an arbitrary shape. <i>Applied Optics</i> , 2016 , 55, 3456-61	0.2	3
83	Evaluation and design of a large-scale cloaking device by the Hamiltonian-based ray-tracing method Part I: full-mesh representation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1041	1.7	2
82	Available number of multiplexed holograms based on signal-to-noise ratio analysis in reflection-type holographic memory using three-dimensional speckle-shift multiplexing. <i>Applied Optics</i> , 2014 , 53, 5733-9	1.7	2
81	Parallel phase-shifting dual-illumination phase unwrapping. <i>Optical Review</i> , 2012 , 19, 366-370	0.9	2
80	Digital holographic measurement and phase reconstruction of 3D object based on wavefront data. <i>3D Research</i> , 2011 , 2, 1	2.4	2
79	Fabrication of an integrated holographic imaging element for a three-dimensional eye-gaze detection system. <i>Applied Optics</i> , 2010 , 49, 3780-5	0.2	2
78	Improvement of Storage Capacity Using Confocal Scheme in Reflection-Type Holographic Memory System with Speckle Shift Multiplexing. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09ME08	1.4	2
77	262500-Frames-Per-Second Phase-Shifting Digital Holography 2011 ,		2
76	Iterative data reconstruction in a thin photonic data storage medium using three-dimensional absorbers in a scattering volume medium. <i>Optics Letters</i> , 2009 , 34, 998-1000	3	2
75	Optical Learning Neural Network Using Photorefractive Waveguides. <i>Optical Review</i> , 1997 , 4, 465-470	0.9	2
74	Study on processing performance of optical modulo operations. <i>Journal of Physics: Conference Series</i> , 2008 , 139, 012006	0.3	2
73	3D Object Reconstruction and Recognition Techniques Based on Digital Holography 2006 , 1-23		2
72	Optical identification system of three-dimensional random phase object by use of speckle patterns in propagation distances. <i>Journal of Physics: Conference Series</i> , 2007 , 77, 012009	0.3	2
71	Three-dimensional imaging, compression, and reconstruction of digital holograms 2003 ,		2
70	Three-dimensional/two-dimensional convertible display based on computer-generated holograms and an amplitude-modulated spatial light modulator. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	2
69	Multi-modal Digital Holographic Microscopy and Demonstration on Dual-excitation Fluorescence 2016 ,		2
68	Evaluation and design of a large-scale cloaking device by the Hamiltonian-based ray-tracing method Part II: design of the distribution of constitutive parameters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1052	1.7	2
67	A Method for Modulo Operation by Use of Spatial Parallelism. <i>Lecture Notes in Computer Science</i> , 2008 , 98-103	0.9	2

66	High-Speed Imaging of Gas Flow by Parallel Phase-Shifting Digital Holography 2011 ,		2
65	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	3.8	2
64	Fast Computational Ghost Imaging with Laser Array Modulation. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4807	2.6	2
63	3D image reconstruction of transparent gas flow by parallel phase-shifting digital holography 2016 ,		1
62	Reconstruction evaluation of intensity ratio distribution for extraction of absorber information in homogeneous scattering medium. <i>Optical Review</i> , 2016 , 23, 10-16	0.9	1
61	Multi-modal digital holographic microscopy for wide-field fluorescence and 3D phase imaging 2016 ,		1
60	Single-shot digital holography using a spectral estimation technique. <i>Applied Spectroscopy</i> , 2014 , 68, 1296-301	3.1	1
59	Space-bandwidth extension in single-shot digital holography using spatial carrier 2013 ,		1
58	Digital holographic spectroscopy using spectral estimation technique 2013 ,		1
57	Optical sound wave recording by digital holography with heterodyne technique 2017 ,		1
56	2015 ,		1
55	Observation of femtosecond light pulse propagation by using digital light-in-flight recording by holography 2013 ,		1
54	Single shot ghost imaging 2013 ,		1
53	20000-frames-per-second phase-shifting digital holography 2010 ,		1
52	High-speed parallel phase-shifting digital holography 2011 ,		1
51	Background Noise Reduction in an Integrated Volume Holographic Imaging Element for Eye-Gaze Detection. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09LE04	1.4	1
50	Three-dimensional display based on phase modulation 2012 ,		1
49	Femtosecond laser fabrication of scattering medium by randomly distributed holes in polymer 2009 ,		1

48	Implementation of the TSP based on pattern processing with a graphic processing unit 2009 ,		1
47	Improving image quality of parallel phase-shifting digital holography. <i>Journal of Physics: Conference Series</i> , 2008 , 139, 012009	0.3	1
46	Two-dimensional pattern processing by means of image compression 2008 ,		1
45	A method for factorization by means of digital optical computing and image compression 2007 ,		1
44	Range Technique in Scattering Medium Using a Needle-Fiber Optical Coherence Tomography System. <i>Optical Review</i> , 2006 , 13, 201-206	0.9	1
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