

# Osamu Matoba

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

227  
papers

3,947  
citations

32  
h-index

56  
g-index

361  
ext. papers

4,977  
ext. citations

2.2  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
227	Simultaneous imaging of sound propagations and spatial distribution of acoustic frequencies.. <i>Applied Optics</i> , <b>2022</b> , 61, B246-B254	1.7	0
226	Quantitative dynamic evolution of physiological parameters of RBC by highly stable digital holographic microscopy. <i>Optics and Lasers in Engineering</i> , <b>2022</b> , 151, 106887	4.6	0
225	High-speed imaging of the sound field by parallel phase-shifting digital holography. <i>Applied Optics</i> , <b>2021</b> , 60, A179-A187	1.7	5
224	Single-shot common-path off-axis digital holography: applications in bioimaging and optical metrology [Invited]. <i>Applied Optics</i> , <b>2021</b> , 60, A195-A204	1.7	8
223	Spatiotemporal observation of light propagation in a three-dimensional scattering medium. <i>Scientific Reports</i> , <b>2021</b> , 11, 21890	4.9	0
222	Binocular dynamic holographic floating image display. <i>Optics Express</i> , <b>2021</b> , 29, 38615-38622	3.3	1
221	Pain induces stable, active microcircuits in the somatosensory cortex that provide a therapeutic target. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
220	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> , <b>2021</b> , 141, 106583	4.6	3
219	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> , <b>2021</b> , 27, 1-9	3.8	2
218	Sound wave detection by common-path digital holography. <i>Optics and Lasers in Engineering</i> , <b>2021</b> , 137, 106331	4.6	5
217	Multimodal Microscopy: Fast Acquisition of Quantitative Phase and Fluorescence Imaging in 3D Space. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-11	3.8	6
216	Multimodal sound field imaging using digital holography [Invited]. <i>Applied Optics</i> , <b>2021</b> , 60, B49-B58	1.7	0
215	Digital Holographic Multimodal Cross-Sectional Fluorescence and Quantitative Phase Imaging System. <i>Scientific Reports</i> , <b>2020</b> , 10, 7580	4.9	7
214	Speckle denoising techniques in imaging systems. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 063001	1.7	11
213	Common-path multimodal three-dimensional fluorescence and phase imaging system. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-15	3.5	29
212	Wavelets Teager-Kaiser Hilbert approach for AMEM signal demodulation: application in the field of speckle metrology. <i>Optical Engineering</i> , <b>2020</b> , 59, 1	1.1	1
211	Single-shot common-path off-axis dual-wavelength digital holographic microscopy. <i>Applied Optics</i> , <b>2020</b> , 59, 7144-7152	1.7	9

210	Interferenceless coded aperture correlation holography with synthetic point spread holograms. <i>Applied Optics</i> , <b>2020</b> , 59, 7321-7329	1.7	7
209	Astigmatism correction and quality optimization of computer-generated holograms for holographic waveguide displays. <i>Optics Express</i> , <b>2020</b> , 28, 5519-5527	3.3	5
208	Modularized microscope based on parallel phase-shifting digital holography for imaging of living biospecimens. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	1
207	Optical multimodal biometric encryption that uses digital holography. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 115703	1.7	4
206	Three-dimensional fluorescence imaging using the transport of intensity equation. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 25, 1-7	3.5	10
205	Security-enhanced optical voice encryption in various domains and comparative analysis. <i>Applied Optics</i> , <b>2019</b> , 58, 3013-3022	1.7	10
204	Speckle denoising by variant nonlocal means methods. <i>Applied Optics</i> , <b>2019</b> , 58, 7110-7120	1.7	11
203	Holographic multi-parameter imaging of dynamic phenomena with visual and audio features. <i>Optics Letters</i> , <b>2019</b> , 44, 995-998	3	9
202	Digital four-step phase-shifting technique from a single fringe pattern using Riesz transform. <i>Optics Letters</i> , <b>2019</b> , 44, 3434-3437	3	12
201	Quantitative Detection Method of Two-dimensional Distribution of the Phase State of Water Using Near-infrared Light-absorption. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2019</b> , 55, 238-244	0.1	
200	Fast Computational Ghost Imaging with Laser Array Modulation. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4807	2.6	2
199	Digital holography and its multidimensional imaging applications: a review. <i>Microscopy (Oxford, England)</i> , <b>2018</b> , 67, 55-67	1.3	74
198	Astigmatism and deformation correction for a holographic head-mounted display with a wedge-shaped holographic waveguide. <i>Applied Optics</i> , <b>2018</b> , 57, 7094-7101	1.7	9
197	Review of three-dimensional imaging of dynamic objects by parallel phase-shifting digital holography. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	5
196	Three-dimensional/two-dimensional convertible display based on computer-generated holograms and an amplitude-modulated spatial light modulator. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	2
195	Digital holographic sound imaging for frequency estimation of piezoelectric vibrator <b>2018</b> ,		1
194	Single-shot incoherent digital holography using parallel phase-shifting radial shearing interferometry <b>2018</b> ,		1
193	Three-dimensional stimulation and imaging-based functional optical microscopy of biological cells. <i>Optics Letters</i> , <b>2018</b> , 43, 5447-5450	3	22

192	Characteristics of vibration frequency measurement based on sound field imaging by digital holography. <i>OSA Continuum</i> , <b>2018</b> , 1, 200	1.4	15
191	Multimodal Imaging Based on Digital Holography. <i>Proceedings of the IEEE</i> , <b>2017</b> , 105, 906-923	14.3	26
190	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> , <b>2017</b> , 34, 1041	1.7	2
189	Optical voice encryption based on digital holography. <i>Optics Letters</i> , <b>2017</b> , 42, 4619-4622	3	27
188	Optical sound wave recording by digital holography with heterodyne technique <b>2017</b> ,		1
187	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> , <b>2017</b> , 24, 206-219	1.9	6
186	Three-dimensional imaging of distribution of refractive index by parallel phase-shifting digital holography using Abel inversion. <i>Optics Express</i> , <b>2017</b> , 25, 18066-18071	3.3	15
185	Single-shot incoherent digital holography using a dual-focusing lens with diffraction gratings. <i>Optics Letters</i> , <b>2017</b> , 42, 383-386	3	44
184	Image recovery from defocused 2D fluorescent images in multimodal digital holographic microscopy. <i>Optics Letters</i> , <b>2017</b> , 42, 1796-1799	3	9
183	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> , <b>2017</b> , 34, 1052	1.7	2
182	Temporal-spatial characteristics of optical power ratio distribution for extracting absorber in scattering medium. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2016</b> , 52, 747-754	0.4	
181	Experimental verification of reconstructed absorbers embedded in scattering media by optical power ratio distribution. <i>Applied Optics</i> , <b>2016</b> , 55, 6874-9	0.2	5
180	3D image reconstruction of transparent gas flow by parallel phase-shifting digital holography <b>2016</b> ,		1
179	Reconstruction evaluation of intensity ratio distribution for extraction of absorber information in homogeneous scattering medium. <i>Optical Review</i> , <b>2016</b> , 23, 10-16	0.9	1
178	Multi-modal digital holographic microscopy for wide-field fluorescence and 3D phase imaging <b>2016</b> ,		1
177	High Dynamic Range Digital Holography and Its Demonstration by Off-Axis Configuration. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 1658-1663	11.9	8
176	Improvement of Image Quality of 3D Display by Using Optimized Binary Phase Modulation and Intensity Accumulation. <i>Journal of Display Technology</i> , <b>2016</b> , 12, 472-477		11
175	Multi-modal Digital Holographic Microscopy and Demonstration on Dual-excitation Fluorescence <b>2016</b> ,		2

174	Holographic Display Based on Binary Phase Modulation. <i>The Review of Laser Engineering</i> , <b>2016</b> , 44, 418	o	
173	Hamiltonian-based ray-tracing method with triangular-mesh representation for a large-scale cloaking device with an arbitrary shape. <i>Applied Optics</i> , <b>2016</b> , 55, 3456-61	0.2	3
172	Phase and fluorescence imaging by combination of digital holographic microscopy and fluorescence microscopy. <i>Optical Review</i> , <b>2015</b> , 22, 349-353	0.9	35
171	<b>2015</b> ,		1
170	A4-Sized Parallel Phase-Shifting Digital Holography System. <i>Journal of Display Technology</i> , <b>2014</b> , 10, 132-137		8
169	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> , <b>2014</b> , 53, 5733-9	1.7	2
168	Digital Holography Using Spectral Estimation Technique. <i>Journal of Display Technology</i> , <b>2014</b> , 10, 235-242		8
167	Single-shot digital holography using a spectral estimation technique. <i>Applied Spectroscopy</i> , <b>2014</b> , 68, 1296-301	3.1	1
166	Analysis of detected signal performance in multi-tracks of optical disk memory using convex-shaped recording mark. <i>Optical Review</i> , <b>2014</b> , 21, 556-559	0.9	
165	Optical voice recorder by off-axis digital holography. <i>Optics Letters</i> , <b>2014</b> , 39, 6549-52	3	35
164	Parallel phase-shifting digital holography using spectral estimation technique. <i>Applied Optics</i> , <b>2014</b> , 53, G123-9	1.7	10
163	Single-shot dual-wavelength phase unwrapping in parallel phase-shifting digital holography. <i>Optics Letters</i> , <b>2014</b> , 39, 2374-7	3	22
162	One million fps digital holography. <i>Electronics Letters</i> , <b>2014</b> , 50, 1693-1695	1.1	18
161	Superresolution of interference fringes in parallel four-step phase-shifting digital holography. <i>Optics Letters</i> , <b>2014</b> , 39, 1673-6	3	7
160	Effect of intensity quantization level in parallel phase-shifting digital holography. <i>Optical Review</i> , <b>2013</b> , 20, 463-468	0.9	3
159	Space-bandwidth extension in single-shot digital holography using spatial carrier <b>2013</b> ,		1
158	Digital holographic spectroscopy using spectral estimation technique <b>2013</b> ,		1
157	Removal of residual images in parallel phase-shifting digital holography. <i>Optical Review</i> , <b>2013</b> , 20, 7-12	0.9	5

156	Performance comparison of bilinear interpolation, bicubic interpolation, and B-spline interpolation in parallel phase-shifting digital holography. <i>Optical Review</i> , <b>2013</b> , 20, 193-197	0.9	16
155	Image reconstruction algorithm for recovering high-frequency information in parallel phase-shifting digital holography [Invited]. <i>Applied Optics</i> , <b>2013</b> , 52, A210-5	1.7	23
154	Assessment of weak light condition in parallel four-step phase-shifting digital holography. <i>Applied Optics</i> , <b>2013</b> , 52, A131-5	1.7	10
153	Observation of femtosecond light pulse propagation by using digital light-in-flight recording by holography <b>2013</b> ,		1
152	Multiwavelength parallel phase-shifting digital holography using angular multiplexing. <i>Optics Letters</i> , <b>2013</b> , 38, 2789-91	3	13
151	Space-bandwidth extension in parallel phase-shifting digital holography using a four-channel polarization-imaging camera. <i>Optics Letters</i> , <b>2013</b> , 38, 2463-5	3	8
150	Light-in-Flight Recording by Parallel Phase-Shifting Digital Holography. <i>Applied Physics Express</i> , <b>2013</b> , 6, 092501	2.4	10
149	Influence of spatial coherence degree in fluorescence digital holography <b>2013</b> ,		3
148	Single shot ghost imaging <b>2013</b> ,		1
147	Space-Bandwidth Capacity-Enhanced Digital Holography. <i>Applied Physics Express</i> , <b>2013</b> , 6, 022502	2.4	19
146	Parallel Processing for Prime Factorization with Spatial Amplitude Modulation in Optics. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 7-14	0.9	
145	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> , <b>2012</b> , 18, 1387-1393	3.8	32
144	Parallel phase-shifting dual-illumination phase unwrapping. <i>Optical Review</i> , <b>2012</b> , 19, 366-370	0.9	2
143	Four-Wavelength Color Digital Holography. <i>Journal of Display Technology</i> , <b>2012</b> , 8, 570-576		29
142	Single-shot femtosecond-pulsed phase-shifting digital holography. <i>Optics Express</i> , <b>2012</b> , 20, 20286-91	3.3	30
141	Spatial-carrier phase-shifting digital holography utilizing spatial frequency analysis for the correction of the phase-shift error. <i>Optics Letters</i> , <b>2012</b> , 37, 148-50	3	18
140	Algorithm for reconstructing wide space-bandwidth information in parallel two-step phase-shifting digital holography. <i>Optics Express</i> , <b>2012</b> , 20, 19806-14	3.3	10
139	Parallel phase-shifting digital holography with adaptive function using phase-mode spatial light modulator. <i>Applied Optics</i> , <b>2012</b> , 51, 2633-7	1.7	48

138	Single-shot dual-illumination phase unwrapping using a single wavelength. <i>Optics Letters</i> , <b>2012</b> , 37, 4002-4		11
137	Comparative evaluation of the image-reconstruction algorithms of single-shot phase-shifting digital holography. <i>Journal of Electronic Imaging</i> , <b>2012</b> , 21, 013021	0.7	13
136	Three-dimensional display based on phase modulation <b>2012</b> ,		1
135	Special Issue on 3D Display Systems for Large-Scale and Wide Viewing Zone and Their Related Technologies. <i>The Review of Laser Engineering</i> , <b>2012</b> , 40, 4	0	
134	Phase-Modulation Three-Dimensional Display Using Computer Graphics Data and Its Wide Viewing Zone. <i>The Review of Laser Engineering</i> , <b>2012</b> , 40, 46	0	
133	Compensation algorithm for the phase-shift error of polarization-based parallel two-step phase-shifting digital holography. <i>Applied Optics</i> , <b>2011</b> , 50, B31-7	0.2	10
132	Half-data-page insertion method for increasing recording density in angular multiplexing holographic memory. <i>Applied Optics</i> , <b>2011</b> , 50, 2361-9	0.2	11
131	High-speed cross-sectional imaging of valuable documents using common-path swept-source optical coherence tomography. <i>Applied Optics</i> , <b>2011</b> , 50, H165-70	0.2	7
130	Improvement of color reproduction in color digital holography by using spectral estimation technique. <i>Applied Optics</i> , <b>2011</b> , 50, H177-82	0.2	38
129	Single-shot polarization-imaging digital holography based on simultaneous phase-shifting interferometry. <i>Optics Letters</i> , <b>2011</b> , 36, 3254-6	3	31
128	High-speed phase imaging by parallel phase-shifting digital holography. <i>Optics Letters</i> , <b>2011</b> , 36, 4131-3	3	97
127	Removing the Residual Zeroth-Order Diffraction Wave in Polarization-Based Parallel Phase-Shifting Digital Holography System. <i>Applied Physics Express</i> , <b>2011</b> , 4, 072501	2.4	11
126	Digital holographic measurement and phase reconstruction of 3D object based on wavefront data. <i>3D Research</i> , <b>2011</b> , 2, 1	2.4	2
125	Detection and evaluation of security features embedded in paper using spectral-domain optical coherence tomography. <i>Optical Review</i> , <b>2011</b> , 18, 171-175	0.9	6
124	Optical-path-length-shifting color digital holography. <i>Optical Review</i> , <b>2011</b> , 18, 180-183	0.9	3
123	Volume holographic imaging element with background noise reduction function for eye-gaze detection under white light illumination. <i>Optical Review</i> , <b>2011</b> , 18, 187-190	0.9	
122	High-speed parallel phase-shifting digital holography <b>2011</b> ,		1
121	Improvement of Storage Capacity Using Confocal Scheme in Reflection-Type Holographic Memory System with Speckle Shift Multiplexing. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09ME08	1.4	2

120	Multiresolution Coding Using Amplitude and Phase Modulations for Holographic Data Storage. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09ME04	1.4	3
119	262500-Frames-Per-Second Phase-Shifting Digital Holography <b>2011</b> ,		2
118	Construction of a portable parallel phase-shifting digital holography system. <i>Optical Engineering</i> , <b>2011</b> , 50, 091304	1.1	11
117	Parallel Phase-Shifting Digital Holography Using Femtosecond Laser Pulse <b>2011</b> ,		1
116	Multiresolution Coding Using Amplitude and Phase Modulations for Holographic Data Storage. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09ME04	1.4	1
115	Improvement of Storage Capacity Using Confocal Scheme in Reflection-Type Holographic Memory System with Speckle Shift Multiplexing. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09ME08	1.4	5
114	High-Speed Imaging of Gas Flow by Parallel Phase-Shifting Digital Holography <b>2011</b> ,		2
113	An Optical System for Prime Factorization Based on Parallel Processing. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 10-15	0.9	1
112	20000-frames-per-second phase-shifting digital holography <b>2010</b> ,		1
111	Numerical evaluation of angular multiplexing in reflection-type holographic data storage in photopolymer with shrinkage. <i>Applied Optics</i> , <b>2010</b> , 49, 694-700	0.2	15
110	Fabrication of an integrated holographic imaging element for a three-dimensional eye-gaze detection system. <i>Applied Optics</i> , <b>2010</b> , 49, 3780-5	0.2	2
109	Parallel phase-shifting digital holographic microscopy. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 610-616	3.5	61
108	Guest Editorial Three-Dimensional Displays and Visualization. <i>Journal of Display Technology</i> , <b>2010</b> , 6, 391-393		
107	Wide-Angle Wavefront Reconstruction Near Display Plane in Three-Dimensional Display System. <i>Journal of Display Technology</i> , <b>2010</b> , 6, 517-521		7
106	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> , <b>2010</b> , 18, 9555-60	3.3	47
105	Experimental demonstration of parallel two-step phase-shifting digital holography. <i>Optics Express</i> , <b>2010</b> , 18, 18975-80	3.3	62
104	Parallel phase-shifting color digital holographic microscopy. <i>3D Research</i> , <b>2010</b> , 1, 1	2.4	17
103	Parallel Phase-Shifting Digital Holography Capable of Simultaneously Capturing Visible and Invisible Three-Dimensional Information. <i>Journal of Display Technology</i> , <b>2010</b> , 6, 472-478		17



102	Parallel two-step phase-shifting digital holography using polarization. <i>Optical Review</i> , <b>2010</b> , 17, 108-113	0.9	20
101	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> , <b>2010</b> , 17, 519-524	0.9	29
100	Development of Road Surface Condition Detection System using Near-infrared Light- Absorption and Polarization Characteristics of Water. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2010</b> , 46, 746-753	0.1	1
99	Background Noise Reduction in an Integrated Volume Holographic Imaging Element for Eye-Gaze Detection. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 09LE04	1.4	1
98	Oil Leakage Detection System for Plant Inspection. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 09LD05	1.4	1
97	An Optical Parallel System for Prime Factorization. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 09LA02	1.4	3
96	. <i>Proceedings of the IEEE</i> , <b>2009</b> , 97, 1128-1148	14.3	232
95	Iterative data reconstruction in a thin photonic data storage medium using three-dimensional absorbers in a scattering volume medium. <i>Optics Letters</i> , <b>2009</b> , 34, 998-1000	3	2
94	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> , <b>2009</b> , 26, 2269-74	1.8	16
93	Parallel optical-path-length-shifting digital holography. <i>Applied Optics</i> , <b>2009</b> , 48, H160-7	0.2	12
92	Parallel phase-shifting color digital holography using two phase shifts. <i>Applied Optics</i> , <b>2009</b> , 48, H244-50	0.2	37
91	Fabrication of controlled volume scattering medium in poly(methyl methacrylate) by focused femtosecond laser pulses. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 221114	3.4	11
90	Femtosecond laser fabrication of scattering medium by randomly distributed holes in polymer <b>2009</b> ,		1
89	Implementation of the TSP based on pattern processing with a graphic processing unit <b>2009</b> ,		1
88	Improvement of a System for Prime Factorization Based on Optical Interferometer. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 124-129	0.9	5
87	Three-dimensional Display with Data Manipulation based on Digital Holography <b>2009</b> , 345-359		
86	A Scheme for SIMD Processing in Two Dimensional Binary Images and Its Applications. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 95-98	0.9	
85	Vapor Leak Sensor Using Polarization Property and Stereoscopic Measurement for Plant Inspection. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2009</b> , 45, 291-297	0.1	

84	2-D Structure Reconstruction for a DOT Method based on Linear Perturbation Approach. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2009</b> , 129, 771-775	0.2	
83	Three-dimensional measurement and imaging based on multicameras randomly distributed on the circumference. <i>Applied Optics</i> , <b>2008</b> , 47, 594-601	1.7	6
82	Parallel processing for multiplication modulo by means of phase modulation. <i>Applied Optics</i> , <b>2008</b> , 47, 611-6	1.7	8
81	Parallel two-step phase-shifting digital holography. <i>Applied Optics</i> , <b>2008</b> , 47, D183-9	1.7	143
80	Optical authentication method using a three-dimensional phase object with various wavelength readouts. <i>Applied Optics</i> , <b>2008</b> , 47, 4400-4	0.2	11
79	Advances in passive imaging elements with micromirror array <b>2008</b> ,		10
78	Secure data storage by three-dimensional absorbers in highly scattering volume medium. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 139, 012003	0.3	3
77	Study on processing performance of optical modulo operations. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 139, 012006	0.3	2
76	Improving image quality of parallel phase-shifting digital holography. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 139, 012009	0.3	1
75	Two-dimensional pattern processing by means of image compression <b>2008</b> ,		1
74	Power amplification of a phased array steered laser beam. <i>Acta Astronautica</i> , <b>2008</b> , 63, 334-341	2.9	
73	An Optical Interferometer for Parallel Modulo Operation. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 1327-1330		
72	Preface to Topical Papers on State-of-the-Art in Calculation of Spatial and Temporal Dynamics of Electro-Magnetic Field. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 606-606	0	
71	A Method for Modulo Operation by Use of Spatial Parallelism. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 98-103	0.9	2
70	Characteristics of Optical Interconnection for Power Transmission Based on Phase Conjugation Generation by a Ring-Resonator. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 1323-1326	0	
69	Speckle-Shift Multiplexing along Axial Direction in Reflection-Type Holographic Memory. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 3832-3836	1.4	7
68	Three-dimensional interface based on digital holography <b>2007</b> , 6778, 49		
67	Imaging Characteristics of Transmission-Type Volume Holographic Imaging Elements. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 605-611	1.4	19

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