

Demetri Psaltis

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.

169
papers

9,632
citations

48
h-index

95
g-index

257
ext. papers

12,304
ext. citations

7.1
avg, IF

6.49
L-index

#	Paper	IF	Citations
169	Photonic waveguide bundles using 3D laser writing and deep neural network image reconstruction.. <i>Optics Express</i> , 2022 , 30, 2564-2577	3.3	3
168	Optical Diffraction Tomography Using Nearly In-Line Holography with a Broadband LED Source. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 951	2.6	0
167	Polarization-sensitive optical diffraction tomography. <i>Optica</i> , 2021 , 8, 402	8.6	10
166	Reusability report: Predicting spatiotemporal nonlinear dynamics in multimode fibre optics with a recurrent neural network. <i>Nature Machine Intelligence</i> , 2021 , 3, 387-391	22.5	3
165	Fluorescence-Based and Fluorescent Label-Free Characterization of Polymer Nanoparticle Decorated T Cells. <i>Biomacromolecules</i> , 2021 , 22, 190-200	6.9	6
164	3D reconstruction of weakly scattering objects from 2D intensity-only measurements using the Wolf transform. <i>Optics Express</i> , 2021 , 29, 3976-3984	3.3	1
163	A membrane-less electrolyzer with porous walls for high throughput and pure hydrogen production. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2419-2432	5.8	4
162	Predicting optical transmission through complex scattering media from reflection patterns with deep neural networks. <i>Optics Communications</i> , 2021 , 492, 126968	2	4
161	Scalable optical learning operator. <i>Nature Computational Science</i> , 2021 , 1, 542-549		18
160	High speed, complex wavefront shaping using the digital micro-mirror device. <i>Scientific Reports</i> , 2021 , 11, 18837	4.9	1
159	Fabrication of Sub-Micron Polymer Waveguides through Two-Photon Polymerization in Polydimethylsiloxane. <i>Polymers</i> , 2020 , 12,	4.5	9
158	Deep Learning-Based Image Classification through a Multimode Fiber in the Presence of Wavelength Drift. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3816	2.6	6
157	Additive micro-manufacturing of crack-free PDCs by two-photon polymerization of a single, low-shrinkage preceramic resin. <i>Additive Manufacturing</i> , 2020 , 35, 101343	6.1	11
156	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17244-17253	9.5	10
155	Three-Dimensional Optical Diffraction Tomography With Lippmann-Schwinger Model. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 727-738	4.5	22
154	Three-dimensional tomography of red blood cells using deep learning. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	15
153	The Impact of Surfactants on the Inertial Separation of Bubbles in Microfluidic Electrolyzers. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 134504	3.9	2

152	Computer generated optical volume elements by additive manufacturing. <i>Nanophotonics</i> , 2020 , 9, 4173-4181	4.1	11
151	Actor neural networks for the robust control of partially measured nonlinear systems showcased for image propagation through diffuse media. <i>Nature Machine Intelligence</i> , 2020 , 2, 403-410	22.5	17
150	Inference in artificial intelligence with deep optics and photonics. <i>Nature</i> , 2020 , 588, 39-47	50.4	114
149	Adaptive Regularization for Three-Dimensional Optical Diffraction Tomography 2020 ,		3
148	A method for assessing the fidelity of optical diffraction tomography reconstruction methods using structured illumination. <i>Optics Communications</i> , 2020 , 454, 124486	2	5
147	High-fidelity optical diffraction tomography of multiple scattering samples. <i>Light: Science and Applications</i> , 2019 , 8, 82	16.7	38
146	A versatile and membrane-less electrochemical reactor for the electrolysis of water and brine. <i>Energy and Environmental Science</i> , 2019 , 12, 1592-1604	35.4	42
145	Imaging through multimode fibers using deep learning: The effects of intensity versus holographic recording of the speckle pattern. <i>Optical Fiber Technology</i> , 2019 , 52, 101985	2.4	25
144	Editors' Choice Solar-Electrochemical Platforms for Sodium Hypochlorite Generation in Developing Countries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E336-E346	3.9	2
143	Learning from droplet flows in microfluidic channels using deep neural networks. <i>Scientific Reports</i> , 2019 , 9, 8114	4.9	20
142	Selective femtosecond laser ablation via two-photon fluorescence imaging through a multimode fiber. <i>Biomedical Optics Express</i> , 2019 , 10, 423-433	3.5	19
141	Digital staining through the application of deep neural networks to multi-modal multi-photon microscopy. <i>Biomedical Optics Express</i> , 2019 , 10, 1339-1350	3.5	18
140	Imaging hair cells through laser-ablated cochlear bone. <i>Biomedical Optics Express</i> , 2019 , 10, 5974-5988	3.5	1
139	Efficient Image Classification through a Multimode Fiber using Deep Neural Networks in presence of Wavelength Drifting 2019 ,		1
138	Raman imaging through multimode sapphire fiber. <i>Optics Express</i> , 2019 , 27, 1090-1098	3.3	10
137	Photoinitiator-free multi-photon fabrication of compact optical waveguides in polydimethylsiloxane. <i>Optical Materials Express</i> , 2019 , 9, 128	2.6	15
136	Inertial manipulation of bubbles in rectangular microfluidic channels. <i>Lab on A Chip</i> , 2018 , 18, 1035-1046	7.2	22
135	Learning Tomography Assessed Using Mie Theory. <i>Physical Review Applied</i> , 2018 , 9,	4.3	11

134	Integrated Platform for Multi-resolution Additive Manufacturing 2018 , 145-151		
133	Single-photon three-dimensional microfabrication through a multimode optical fiber. <i>Optics Express</i> , 2018 , 26, 1766-1778	3.3	21
132	Versatile reconstruction framework for diffraction tomography with intensity measurements and multiple scattering. <i>Optics Express</i> , 2018 , 26, 2749-2763	3.3	29
131	Polymer derived silicon oxycarbide ceramic monoliths: Microstructure development and associated materials properties. <i>Ceramics International</i> , 2018 , 44, 20961-20967	5.1	14
130	Learning to see through multimode fibers. <i>Optica</i> , 2018 , 5, 960	8.6	147
129	Multimode optical fiber transmission with a deep learning network. <i>Light: Science and Applications</i> , 2018 , 7, 69	16.7	113
128	Multiple speckle illumination for optical-resolution photoacoustic imaging 2017 ,		2
127	A 25.1% Efficient Stand-Alone Solar Chloralkali Generator Employing a Microtracking Solar Concentrator. <i>Global Challenges</i> , 2017 , 1, 1700095	4.3	3
126	Optical Tomography based on a nonlinear model that handles multiple scattering 2017 ,		1
125	Three-dimensional microfabrication through a multimode optical fiber. <i>Optics Express</i> , 2017 , 25, 7031-7045	3.5	19
124	High power, ultrashort pulse control through a multi-core fiber for ablation. <i>Optics Express</i> , 2017 , 25, 11491-11502	3.3	10
123	Bend translation in multimode fiber imaging. <i>Optics Express</i> , 2017 , 25, 6263-6273	3.3	26
122	Solar-to-Hydrogen Production at 14.2% Efficiency with Silicon Photovoltaics and Earth-Abundant Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F1177-F1181	3.9	62
121	Lensless two-photon imaging through a multicore fiber with coherence-gated digital phase conjugation. <i>Journal of Biomedical Optics</i> , 2016 , 21, 45002	3.5	19
120	Surgical Anatomy of the Human Round Window Region: Implication for Cochlear Endoscopy Through the External Auditory Canal. <i>Otology and Neurotology</i> , 2016 , 37, 1189-94	2.6	11
119	Optical Computing: Past and Future. <i>Optics and Photonics News</i> , 2016 , 27, 32	1.9	37
118	Complex light in 3D printing 2016 ,		1
117	Optical Tomographic Image Reconstruction Based on Beam Propagation and Sparse Regularization. <i>IEEE Transactions on Computational Imaging</i> , 2016 , 2, 59-70	4.5	93

116	Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. <i>Nano Letters</i> , 2016 , 16, 2159-67	11.5	174
115	Calibration-free imaging through a multicore fiber using speckle scanning microscopy. <i>Optics Letters</i> , 2016 , 41, 3078-81	3	30
114	Optofluidics of plants. <i>APL Photonics</i> , 2016 , 1, 020901	5.2	2
113	Laser-assisted inkjet printing of highly viscous fluids with sub-nozzle resolution 2016 ,		1
112	Imaging with Multimode Fibers. <i>Optics and Photonics News</i> , 2016 , 27, 24	1.9	19
111	Human audiometric thresholds do not predict specific cellular damage in the inner ear. <i>Hearing Research</i> , 2016 , 335, 83-93	3.9	31
110	STED imaging of green fluorescent nanodiamonds containing nitrogen-vacancy-nitrogen centers. <i>Biomedical Optics Express</i> , 2016 , 7, 34-44	3.5	28
109	Inkjet Printing of Viscous Monodisperse Microdroplets by Laser-Induced Flow Focusing. <i>Physical Review Applied</i> , 2016 , 6,	4.3	40
108	Complex pattern projection through a multimode fiber 2015 ,		3
107	A membrane-less electrolyzer for hydrogen production across the pH scale. <i>Energy and Environmental Science</i> , 2015 , 8, 2003-2009	35.4	69
106	Vapor-fed microfluidic hydrogen generator. <i>Lab on A Chip</i> , 2015 , 15, 2287-96	7.2	31
105	Isotropic inverse-problem approach for two-dimensional phase unwrapping. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 1092-100	1.8	7
104	Subsurface ablation of atherosclerotic plaque using ultrafast laser pulses. <i>Biomedical Optics Express</i> , 2015 , 6, 2552-61	3.5	4
103	Improving the quality of filament-impaired images in Kerr media by statistical averaging. <i>Optics Express</i> , 2015 , 23, 431-44	3.3	1
102	Delivery of focused short pulses through a multimode fiber. <i>Optics Express</i> , 2015 , 23, 9109-20	3.3	65
101	Learning approach to optical tomography. <i>Optica</i> , 2015 , 2, 517	8.6	219
100	Digital confocal microscopy through a multimode fiber. <i>Optics Express</i> , 2015 , 23, 23845-58	3.3	83
99	Ultrafast laser ablation for targeted atherosclerotic plaque removal 2015 ,		1

98	Two-photon imaging through a multimode fiber. <i>Optics Express</i> , 2015 , 23, 32158-70	3.3	59
97	Enhanced resolution in a multimode fiber imaging system. <i>Optics Express</i> , 2015 , 23, 27484-93	3.3	12
96	Light control in a multicore fiber using the memory effect. <i>Optics Express</i> , 2015 , 23, 30532-44	3.3	22
95	Towards new applications using capillary waveguides. <i>Biomedical Optics Express</i> , 2015 , 6, 4619-31	3.5	12
94	Optical-resolution photoacoustic imaging through thick tissue with a thin capillary as a dual optical-in acoustic-out waveguide. <i>Applied Physics Letters</i> , 2015 , 106, 094102	3.4	17
93	Confocal microscopy through a multimode fiber using optical correlation. <i>Optics Letters</i> , 2015 , 40, 5754-7	3	18
92	Design and cost considerations for practical solar-hydrogen generators. <i>Energy and Environmental Science</i> , 2014 , 7, 3828-3835	35.4	113
91	Solar thermal harvesting for enhanced photocatalytic reactions. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5137-41	3.6	14
90	Superhydrophobic bullseye for surface-enhanced Raman scattering. <i>Lab on A Chip</i> , 2014 , 14, 3907-11	7.2	26
89	Resolution enhancement in nonlinear scanning microscopy through post-detection digital computation. <i>Optica</i> , 2014 , 1, 455	8.6	23
88	Imaging blood cells through scattering biological tissue using speckle scanning microscopy. <i>Optics Express</i> , 2014 , 22, 3405-13	3.3	76
87	A micropillar array for sample concentration via in-plane evaporation. <i>Biomicrofluidics</i> , 2014 , 8, 044108	3.2	10
86	Optical-resolution photoacoustic microscopy by use of a multimode fiber. <i>Applied Physics Letters</i> , 2013 , 102, 211106	3.4	26
85	Electrically tunable optofluidic light switch for reconfigurable solar lighting. <i>Lab on A Chip</i> , 2013 , 13, 2708-13	7.2	25
84	Digital holographic confocal microscope 2013 ,		3
83	Increasing the imaging capabilities of multimode fibers by exploiting the properties of highly scattering media. <i>Optics Letters</i> , 2013 , 38, 2776-8	3	18
82	Seeing through turbidity with harmonic holography [Invited]. <i>Applied Optics</i> , 2013 , 52, 567-78	1.7	12
81	High-resolution, lensless endoscope based on digital scanning through a multimode optical fiber. <i>Biomedical Optics Express</i> , 2013 , 4, 260-70	3.5	174

80	Multiple contrast metrics from the measurements of a digital confocal microscope. <i>Biomedical Optics Express</i> , 2013 , 4, 1091-103	3.5	11
79	Dynamic bending compensation while focusing through a multimode fiber. <i>Optics Express</i> , 2013 , 21, 22504-14	3.5	62
78	Imaging in focusing Kerr media using reverse propagation [Invited]. <i>Photonics Research</i> , 2013 , 1, 96	6	10
77	Focused light delivery and all optical scanning from a multimode optical fiber using digital phase conjugation 2013 ,		1
76	Two-photon microscopy of the mouse cochlea in situ for cellular diagnosis. <i>Journal of Biomedical Optics</i> , 2013 , 18, 31104	3.5	17
75	Imaging using multimode fibers 2013 ,		2
74	COHERENT ANTI-STOKES RAMAN SCATTERING HOLOGRAPHY: THEORY AND EXPERIMENT. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2012 , 21, 1250028	0.8	7
73	Precision intracellular delivery based on optofluidic polymersome rupture. <i>ACS Nano</i> , 2012 , 6, 7850-7	16.7	75
72	Elastomer based tunable optofluidic devices. <i>Lab on A Chip</i> , 2012 , 12, 3590-7	7.2	29
71	Focusing and scanning light through a multimode optical fiber using digital phase conjugation. <i>Optics Express</i> , 2012 , 20, 10583-90	3.3	224
70	Holographic coherent anti-Stokes Raman scattering bio-imaging. <i>Biomedical Optics Express</i> , 2012 , 3, 1744-9	3.9	11
69	Three-dimensional scanning microscopy through thin turbid media. <i>Optics Express</i> , 2012 , 20, 2500-6	3.3	34
68	Digital confocal microscope. <i>Optics Express</i> , 2012 , 20, 22720-7	3.3	21
67	Pneumatically tunable optofluidic 2 D switch for reconfigurable optical circuit. <i>Lab on A Chip</i> , 2011 , 11, 2397-402	7.2	144
66	Imaging with second-harmonic radiation probes in living tissue. <i>Biomedical Optics Express</i> , 2011 , 2, 2532-9.5	3.5	45
65	Silicon oxide deposition for enhanced optical switching in polydimethylsiloxane-liquid crystal hybrids. <i>Optics Express</i> , 2011 , 19, 23532-7	3.3	16
64	Superoscillatory diffraction-free beams. <i>Optics Letters</i> , 2011 , 36, 4335-7	3	45
63	Optofluidics for energy applications. <i>Nature Photonics</i> , 2011 , 5, 583-590	33.9	223

62	Huygens-Bresnel diffraction and evanescent waves. <i>Optics Communications</i> , 2011 , 284, 1686-1689	2	10
61	Optofluidic membrane interferometer: An imaging method for measuring microfluidic pressure and flow rate simultaneously on a chip. <i>Biomicrofluidics</i> , 2011 , 5, 44110-4411011	3-2	25
60	Digital reverse propagation in focusing Kerr media. <i>Physical Review A</i> , 2011 , 83,	2.6	15
59	Second harmonic nanoparticles in imaging applications 2011 ,		2
58	Coherent anti-Stokes Raman holography for chemically selective single-shot non-scanning 3D imaging. <i>Physical Review Letters</i> , 2010 , 104, 093902	7-4	31
57	All-optical switching in an optofluidic polydimethylsiloxane: Liquid crystal grating defined by cast-molding. <i>Applied Physics Letters</i> , 2010 , 96, 131112	3-4	25
56	Pneumatically tunable optofluidic dye laser. <i>Applied Physics Letters</i> , 2010 , 96, 081101	3-4	37
55	Nonlinear optical properties of core-shell nanocavities for enhanced second-harmonic generation. <i>Physical Review Letters</i> , 2010 , 104, 207402	7-4	194
54	Inline holographic coherent anti-Stokes Raman microscopy. <i>Optics Express</i> , 2010 , 18, 8213-9	3-3	13
53	Second harmonic generation from nanocrystals under linearly and circularly polarized excitations. <i>Optics Express</i> , 2010 , 18, 11917-32	3-3	41
52	Digital phase conjugation of second harmonic radiation emitted by nanoparticles in turbid media. <i>Optics Express</i> , 2010 , 18, 12283-90	3-3	116
51	Imaging based optofluidic air flow meter with polymer interferometers defined by soft lithography. <i>Optics Express</i> , 2010 , 18, 16561-6	3-3	13
50	Imaging through turbid layers by scanning the phase conjugated second harmonic radiation from a nanoparticle. <i>Optics Express</i> , 2010 , 18, 20723-31	3-3	142
49	Optofluidic pressure sensor based on interferometric imaging. <i>Optics Letters</i> , 2010 , 35, 3604-6	3	29
48	Characterization of the cytotoxicity and imaging properties of second-harmonic nanoparticles 2010 ,		4
47	Harmonic Holography. <i>Advances in Imaging and Electron Physics</i> , 2010 , 75-112	0.2	1
46	Bioconjugation of barium titanate nanocrystals with immunoglobulin G antibody for second harmonic radiation imaging probes. <i>Biomaterials</i> , 2010 , 31, 2272-7	15.6	77
45	Lithium niobate nanowires synthesis, optical properties, and manipulation. <i>Applied Physics Letters</i> , 2009 , 95, 143105	3-4	67

44	Three-dimensional harmonic holographic microcopy using nanoparticles as probes for cell imaging. <i>Optics Express</i> , 2009 , 17, 2880-91	3.3	131
43	A multi-color fast-switching microfluidic droplet dye laser. <i>Lab on A Chip</i> , 2009 , 9, 2767-71	7.2	154
42	Low-order distributed feedback optofluidic dye laser with reduced threshold. <i>Applied Physics Letters</i> , 2009 , 94, 051117	3.4	49
41	Optofluidic evanescent dye laser based on a distributed feedback circular grating. <i>Applied Physics Letters</i> , 2009 , 94, 161110	3.4	51
40	Heterogenous catalysis mediated by plasmon heating. <i>Nano Letters</i> , 2009 , 9, 4417-23	11.5	380
39	OPTICAL PHASE CONJUGATION FOR TURBIDITY SUPPRESSION IN BIOLOGICAL SAMPLES. <i>Nature Photonics</i> , 2008 , 2, 110-115	33.9	422
38	Harmonic holography: a new holographic principle. <i>Applied Optics</i> , 2008 , 47, A103-10	1.7	53
37	Magnifying perfect lens and superlens design by coordinate transformation. <i>Physical Review B</i> , 2008 , 77,	3.3	113
36	Lensless high-resolution on-chip optofluidic microscopes for <i>Caenorhabditis elegans</i> and cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10670-5	11.5	226
35	Optofluidic dye lasers. <i>Microfluidics and Nanofluidics</i> , 2008 , 4, 145-158	2.8	119
34	Modulational instability in nonlinearity-managed optical media. <i>Physical Review A</i> , 2007 , 75,	2.6	23
33	Nonlinearity management in optics. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 2030029-2030030		
32	Nanoimprinted circular grating distributed feedback dye laser. <i>Applied Physics Letters</i> , 2007 , 91, 051109	3.4	37
31	Optical parametric generation in periodically poled KTiOPO4 via extended phase matching. <i>Applied Physics Letters</i> , 2007 , 91, 131120	3.4	3
30	Optofluidic Microring Dye Laser. <i>LEOS Summer Topical Meeting</i> , 2007 ,		3
29	Holographic capture of femtosecond pulse propagation. <i>Journal of Applied Physics</i> , 2006 , 100, 063104	2.5	27
28	Optofluidic microscopy--a method for implementing a high resolution optical microscope on a chip. <i>Lab on A Chip</i> , 2006 , 6, 1274-6	7.2	190
27	Nanofluidic tuning of photonic crystal circuits. <i>Optics Letters</i> , 2006 , 31, 59-61	3	177

26	Holographic grating formation in a colloidal suspension of silver nanoparticles. <i>Optics Letters</i> , 2006 , 31, 447-9	3	11
25	Single mode optofluidic distributed feedback dye laser. <i>Optics Express</i> , 2006 , 14, 696-701	3.3	228
24	Optical detection of asymmetric bacteria utilizing electro orientation. <i>Optics Express</i> , 2006 , 14, 9780-5	3.3	20
23	Mechanically tunable optofluidic distributed feedback dye laser. <i>Optics Express</i> , 2006 , 14, 10494-9	3.3	92
22	Developing optofluidic technology through the fusion of microfluidics and optics. <i>Nature</i> , 2006 , 442, 381-6	50.4	1385
21	Dynamics of filament formation in a Kerr medium. <i>Physical Review A</i> , 2005 , 71,	2.6	30
20	A microfluidic 2D optical switch. <i>Applied Physics Letters</i> , 2004 , 85, 6119-6121	3.4	58
19	Reverse propagation of femtosecond pulses in optical fibers. <i>Optics Letters</i> , 2003 , 28, 1873-5	3	42
18	Holographic recording of fast phenomena. <i>Applied Physics Letters</i> , 2002 , 80, 731-733	3.4	42
17	Coherent optical information systems. <i>Science</i> , 2002 , 298, 1359-63	33.3	72
16	Ionic and electronic dark decay of holograms in LiNbO ₃ :Fe crystals. <i>Applied Physics Letters</i> , 2001 , 78, 4076-4078	3.4	49
15	Liquid-crystal blazed-grating beam deflector. <i>Applied Optics</i> , 2000 , 39, 6545-55	1.7	85
14	Effect of annealing in two-center holographic recording. <i>Applied Physics Letters</i> , 1999 , 74, 3767-3769	3.4	43
13	Network Synthesis through Data-Driven Growth and Decay. <i>Neural Networks</i> , 1997 , 10, 1133-1141	9.1	4
12	Holography in artificial neural networks 1995 , 541-546		2
11	Bias-free time-integrating optical correlator using a photorefractive crystal 1995 , 587-592		
10	Double grating formation in anisotropic photorefractive crystals. <i>Journal of Applied Physics</i> , 1992 , 71, 1394-1400	2.5	7
9	Phase-locked sustainment of photorefractive holograms using phase conjugation. <i>Journal of Applied Physics</i> , 1991 , 70, 4646-4648	2.5	25

8 Mass storage for digital optical computers **1990**, 10257, 158

7 Holography in artificial neural networks. *Nature*, **1990**, 343, 325-30 50.4 158

6 Generalizing Smoothness Constraints from Discrete Samples. *Neural Computation*, **1990**, 2, 188-197 2.9 37

5 Volume holographic interconnections with maximal capacity and minimal cross talk. *Journal of Applied Physics*, **1989**, 65, 2191-2194 2.5 99

4 INFORMATION STORAGE IN FULLY CONNECTED NETWORKS **1989**, 51-89

3 Adaptive optical networks using photorefractive crystals. *Applied Optics*, **1988**, 27, 1752-9 1.7 297

2 Real-time computer-generated hologram by means of liquid-crystal television spatial light modulator. *Optics Letters*, **1986**, 11, 748-50 3 114

1 Image normalization by complex moments. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1985**, 7, 46-55 13.3 163