

Andres Marquez

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.

165
papers

2,160
citations

26
h-index

38
g-index

231
ext. papers

2,685
ext. citations

2.4
avg, IF

4.63
L-index

#	Paper	IF	Citations
165	Homography estimation from a single-point correspondence using template matching and particle swarm optimization.. <i>Applied Optics</i> , 2022 , 61, D63-D74	1.7	0
164	Polarimetric analysis of cross-talk phenomena induced by the pixelation in PA-LCoS devices. <i>Optics and Laser Technology</i> , 2022 , 152, 108125	4.2	
163	Validation of Fresnel-Kirchhoff Integral Method for the Study of Volume Dielectric Bodies. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3800	2.6	
162	Analytical modeling of blazed gratings on two-dimensional pixelated liquid crystal on silicon devices. <i>Optical Engineering</i> , 2020 , 59, 1	1.1	4
161	Influence of temporal averaging in the performance of a rotating retarder imaging Stokes polarimeter. <i>Optics Express</i> , 2020 , 28, 10981-11000	3.3	4
160	Unitary matrix approach for a precise voltage dependent characterization of reflective liquid crystal devices by average Stokes polarimetry. <i>Optics Letters</i> , 2020 , 45, 5732-5735	3	2
159	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 123002	1.7	16
158	Accurate, Efficient and Rigorous Numerical Analysis of 3D H-PDLC Gratings. <i>Materials</i> , 2020 , 13,	3.5	1
157	Holographic waveguides in photopolymers. <i>Optics Express</i> , 2019 , 27, 827-840	3.3	15
156	Combining average molecular tilt and flicker for management of depolarized light in parallel-aligned liquid crystal devices for broadband and wide-angle illumination. <i>Optics Express</i> , 2019 , 27, 5238-5252	3.3	5
155	Misalignment error analysis in polychromatic division of focal plane Stokes polarimeters. <i>OSA Continuum</i> , 2019 , 2, 1565	1.4	4
154	Blazed grating theory to minimize the non-idealities in LCoS devices 2019 ,		1
153	Complex Diffractive Optical Elements Stored in Photopolymers. <i>Polymers</i> , 2019 , 11,	4.5	3
152	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. <i>Optical Materials</i> , 2018 , 76, 295-301	3.3	8
151	LCoS display phase self-calibration method based on diffractive lens schemes. <i>Optics and Lasers in Engineering</i> , 2018 , 106, 147-154	4.6	9
150	Simplified physical modeling of parallel-aligned liquid crystal devices at highly non-linear tilt angle profiles. <i>Optics Express</i> , 2018 , 26, 12723-12741	3.3	4
149	Anamorphic and Local Characterization of a Holographic Data Storage System with a Liquid-Crystal on Silicon Microdisplay as Data Pager. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 986	2.6	1

148	Computational split-field finite-difference time-domain evaluation of simplified tilt-angle models for parallel-aligned liquid-crystal devices. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	2
147	Self-addressed diffractive lens schemes for the characterization of LCoS displays 2018 ,		1
146	Dynamic microparticle manipulation through light structures generated by a self-calibrated Liquid Crystal on Silicon display 2018 ,		2
145	Numerical Analysis of H-PDLC Using the Split-Field Finite-Difference Time-Domain Method. <i>Polymers</i> , 2018 , 10,	4.5	3
144	Shrinkage measurement for holographic recording materials 2017 ,		1
143	Peristrophic multiplexed holograms recorded in a low toxicity photopolymer. <i>Optical Materials Express</i> , 2017 , 7, 133	2.6	9
142	LCoS SLM Study and Its Application in Wavelength Selective Switch. <i>Photonics</i> , 2017 , 4, 22	2.2	32
141	Modeling Diffractive Lenses Recording in Environmentally Friendly Photopolymer. <i>Polymers</i> , 2017 , 9,	4.5	3
140	Additives Type Schiff's Base as Modifiers of the Optical Response in Holographic Polymer-Dispersed Liquid Crystals. <i>Polymers</i> , 2017 , 9,	4.5	5
139	Polarimetric and diffractive evaluation of 3.74 micron pixel-size LCoS in the telecommunications C-band 2017 ,		1
138	SF-FDTD analysis of a predictive physical model for parallel aligned liquid crystal devices 2017 ,		1
137	PVA/AA photopolymers and PA-LCoS devices combined for holographic data storage 2016 ,		2
136	Biophotopolymers energetic sensitivity improved in 300nm layers by tuning the recording wavelength. <i>Optical Materials</i> , 2016 , 52, 111-115	3.3	7
135	Diffractive lenses recorded in absorbent photopolymers. <i>Optics Express</i> , 2016 , 24, 1559-72	3.3	11
134	Blazed Gratings Recorded in Absorbent Photopolymers. <i>Materials</i> , 2016 , 9,	3.5	5
133	Influence of index matching on AA/PVA photopolymers for low spatial frequency recording. <i>Applied Optics</i> , 2015 , 54, 3132-40	0.2	4
132	Predictive capability of average Stokes polarimetry for simulation of phase multilevel elements onto LCoS devices. <i>Applied Optics</i> , 2015 , 54, 1379-86	1.7	16
131	Interferometric characterization of the structured polarized light beam produced by the conical refraction phenomenon. <i>Optics Express</i> , 2015 , 23, 18080-91	3.3	5

130	Split-field finite-difference time-domain method for second-harmonic generation in two-dimensionally periodic structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 664	1.7	5
129	Effective angular and wavelength modeling of parallel aligned liquid crystal devices. <i>Optics and Lasers in Engineering</i> , 2015 , 74, 114-121	4.6	8
128	Exploring binary and ternary modulations on a PA-LCoS device for holographic data storage in a PVA/AA photopolymer. <i>Optics Express</i> , 2015 , 23, 20459-79	3.3	11
127	Static and dynamic effects of flicker in phase multilevel elements on LCoS devices 2015 ,		3
126	Study of the index matching for different photopolymers 2015 ,		1
125	Two diffusion photopolymer for sharp diffractive optical elements recording. <i>Optics Letters</i> , 2015 , 40, 3221-4	3	13
124	Parallel aligned liquid crystal on silicon display based optical set-up for the generation of polarization spatial distributions 2015 ,		2
123	Multi-GPU and multi-CPU accelerated FDTD scheme for vibroacoustic applications. <i>Computer Physics Communications</i> , 2015 , 191, 43-51	4.2	6
122	Compact LCOSBLM Based Polarization Pattern Beam Generator. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2047-2055	4	24
121	Extended linear polarimeter to measure retardance and flicker: application to liquid crystal on silicon devices in two working geometries. <i>Optical Engineering</i> , 2014 , 53, 014105	1.1	12
120	Influence of the set-up on the recording of diffractive optical elements into photopolymers 2014 ,		2
119	Binary Intensity Modulation and Hybrid Ternary Modulation Applied to Multiplexing Objects Using Holographic Data Storage on a PVA/AA Photopolymer. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-8	2.4	2
118	Experimental Conditions to Obtain Photopolymerization Induced Phase Separation Process in Liquid Crystal-Photopolymer Composite Materials under Laser Exposure. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-5	2.4	4
117	Influence of Thickness on the Holographic Parameters of H-PDLC Materials. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-7	2.4	1
116	Retardance and flicker modeling and characterization of electro-optic linear retarders by averaged Stokes polarimetry. <i>Optics Letters</i> , 2014 , 39, 1011-4	3	26
115	Averaged Stokes polarimetry applied to evaluate retardance and flicker in PA-LCoS devices. <i>Optics Express</i> , 2014 , 22, 15064-74	3.3	35
114	Model of low spatial frequency diffractive elements recorded in photopolymers during and after recording. <i>Optical Materials</i> , 2014 , 38, 46-52	3.3	4
113	Electrical dependencies of optical modulation capabilities in digitally addressed parallel aligned liquid crystal on silicon devices. <i>Optical Engineering</i> , 2014 , 53, 067104	1.1	18

112	Performance analysis of SSE and AVX instructions in multi-core CPUs and GPU computing on FDTD scheme for solid and fluid vibration problems. <i>Journal of Supercomputing</i> , 2014 , 70, 514-526	2.5	5
111	Accuracy analysis of simplified and rigorous numerical methods applied to binary nanopatterning gratings in non-paraxial domain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 2245-2250	2.3	3
110	Development of a unified FDTD-FEM library for electromagnetic analysis with CPU and GPU computing. <i>Journal of Supercomputing</i> , 2013 , 64, 28-37	2.5	5
109	Performance analysis of the FDTD method applied to holographic volume gratings: Multi-core CPU versus GPU computing. <i>Computer Physics Communications</i> , 2013 , 184, 469-479	4.2	10
108	Analysis of the fabrication of diffractive optical elements in photopolymers 2013 ,		4
107	Linearity in the response of photopolymers as optical recording media. <i>Optics Express</i> , 2013 , 21, 10995-10008	3.9	10
106	Acceleration of split-field finite difference time-domain method for anisotropic media by means of graphics processing unit computing. <i>Optical Engineering</i> , 2013 , 53, 011005	1.1	9
105	Different applications of liquid crystal panels 2013 ,		1
104	Tensorial split-field finite-difference time-domain approach for second- and third-order nonlinear materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1711	1.7	6
103	Overmodulation Control in the Optimization of a H-PDLC Device with Ethyl Eosin as Dye. <i>International Journal of Polymer Science</i> , 2013 , 2013, 1-8	2.4	10
102	Approximate solutions for the nonlinear pendulum equation using a rational harmonic representation. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 1602-1611	2.7	16
101	A dynamic beam splitter using polymer dispersed liquid crystal materials 2012 ,		2
100	Diffractive and interferometric methods to characterize photopolymers with liquid crystal molecules as holographic recording material. <i>Journal of the European Optical Society-Rapid Publications</i> , 2012 , 7,	2.5	5
99	Biophotopol: A Sustainable Photopolymer for Holographic Data Storage Applications. <i>Materials</i> , 2012 , 5, 772-783	3.5	17
98	Volume Holograms in Photopolymers: Comparison between Analytical and Rigorous Theories. <i>Materials</i> , 2012 , 5, 1373-1388	3.5	11
97	Analysis of periodic anisotropic media by means of split-field FDTD method and GPU computing 2012 ,		4
96	Relief diffracted elements recorded on absorbent photopolymers. <i>Optics Express</i> , 2012 , 20, 11218-31	3.3	12
95	Zero Spatial Frequency Limit: Method to Characterize Photopolymers as Optical Recording Material. <i>Research Letters in Physics</i> , 2012 , 2012, 1-9		2

94	Classical polarimetric method revisited to analyse the modulation capabilities of parallel aligned liquid crystal on silicon displays 2012 ,		3
93	Analysis of the geometry of a holographic memory setup 2012 ,		1
92	Comparison of simplified theories in the analysis of the diffraction efficiency in surface-relief gratings 2012 ,		6
91	Analysis of the diffraction efficiency of reflection and transmission holographic gratings by means of a parallel FDTD approach 2011 ,		1
90	Approximate expressions for the period of a simple pendulum using a Taylor series expansion. <i>European Journal of Physics</i> , 2011 , 32, 1303-1310	0.8	21
89	Comparison of photopolymers for optical data storage applications and relief diffractive optical elements recorded onto photopolymers 2011 ,		1
88	Surface relief model for photopolymers without cover plating. <i>Optics Express</i> , 2011 , 19, 10896-906	3.3	15
87	ANALYSIS OF REFLECTION GRATINGS BY MEANS OF A MATRIX METHOD APPROACH. <i>Progress in Electromagnetics Research</i> , 2011 , 118, 167-183	3.8	6
86	Performance improvement of high-thickness photopolymers for holographic data storage applications 2011 ,		1
85	Monomer diffusion in sustainable photopolymers for diffractive optics applications. <i>Optical Materials</i> , 2011 , 33, 1626-1629	3.3	8
84	High environmental compatibility photopolymers compared to PVA/AA based materials at zero spatial frequency limit. <i>Optical Materials</i> , 2011 , 33, 531-537	3.3	22
83	An experiment in heat conduction using hollow cylinders. <i>European Journal of Physics</i> , 2011 , 32, 1065-1075		5
82	The minimum Euclidean distance principle applied to improve the modulation diffraction efficiency in digitally controlled spatial light modulators. <i>Optics Express</i> , 2010 , 18, 10581-93	3.3	31
81	Hybrid Ternary Modulation Applied to Multiplexing Holograms in Photopolymers for Data Page Storage. <i>Journal of Lightwave Technology</i> , 2010 , 28, 776-783	4	15
80	Generation of diffractive optical elements onto a photopolymer using a liquid crystal display 2010 ,		10
79	Characterization of a parallel aligned liquid crystal on silicon and its application on a Shack-Hartmann sensor 2010 ,		6
78	Optimization of a holographic memory setup using an LCD and a PVA-based photopolymer. <i>Optik</i> , 2010 , 121, 151-158	2.5	4
77	Multiplexing holograms for data page storage using a LCD as hybrid ternary modulation 2009 ,		1

76	Characterization and analysis of LCoS displays: application to diffractive optics 2009 ,		4
75	Influence of the incident angle in the performance of liquid crystal on silicon displays. <i>Optics Express</i> , 2009 , 17, 8491-505	3-3	39
74	In dark analysis of PVA/AA materials at very low spatial frequencies: phase modulation evolution and diffusion estimation. <i>Optics Express</i> , 2009 , 17, 18279-91	3-3	44
73	Spatial-phase-modulation-based study of polyvinyl-alcohol/acrylamide photopolymers in the low spatial frequency range. <i>Applied Optics</i> , 2009 , 48, 4403-13	0.2	13
72	Influence of the temporal fluctuations phenomena on the ECB LCoS performance 2009 ,		9
71	Combined Mueller and Jones matrix method for the evaluation of the complex modulation in a liquid-crystal-on-silicon display. <i>Optics Letters</i> , 2008 , 33, 627-9	3	26
70	Analysis of PVA/AA based photopolymers at the zero spatial frequency limit using interferometric methods. <i>Applied Optics</i> , 2008 , 47, 2557-63	1.7	13
69	Time-resolved Mueller matrix analysis of a liquid crystal on silicon display. <i>Applied Optics</i> , 2008 , 47, 4267-74	3.4	24
68	Multiplexed holographic data page storage on a polyvinyl alcohol/acrylamide photopolymer memory. <i>Applied Optics</i> , 2008 , 47, 4448-56	0.2	15
67	Mueller-Stokes characterization and optimization of a liquid crystal on silicon display showing depolarization. <i>Optics Express</i> , 2008 , 16, 1669-85	3-3	54
66	Time fluctuations of the phase modulation in a liquid crystal on silicon display: characterization and effects in diffractive optics. <i>Optics Express</i> , 2008 , 16, 16711-22	3-3	111
65	Multiplexing holograms for data page storage as a holographic memory in a PVA/AA photopolymer 2008 ,		2
64	Direct analysis of monomer diffusion times in polyvinyl/acrylamide materials. <i>Applied Physics Letters</i> , 2008 , 92, 073306	3-4	24
63	Wavelength dependence of polarimetric and phase-shift characterization of a liquid crystal on silicon display. <i>Journal of the European Optical Society-Rapid Publications</i> , 2008 , 3,	2.5	24
62	Higher accuracy analytical approximations to a nonlinear oscillator with discontinuity by He's homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 2010-2016	2.3	29
61	Hologram multiplexing in acrylamide hydrophilic photopolymers. <i>Optics Communications</i> , 2008 , 281, 1354-1357	2	14
60	Application of He's homotopy perturbation method to conservative truly nonlinear oscillators. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 770-780	9-3	61
59	Pyromethene dye and non-redox initiator system in a hydrophilic binder photopolymer. <i>Optical Materials</i> , 2007 , 30, 227-230	3-3	6

58	Asymptotic representations of the period for the nonlinear oscillator. <i>Journal of Sound and Vibration</i> , 2007 , 299, 403-408	3.9	12
57	Application of the homotopy perturbation method to the nonlinear pendulum. <i>European Journal of Physics</i> , 2007 , 28, 93-104	0.8	63
56	Electrical origin and compensation for two sources of degradation of the spatial frequency response exhibited by liquid crystal displays. <i>Optical Engineering</i> , 2007 , 46, 114001	1.1	13
55	Characterization and optimization of liquid crystal displays for data storage applications 2007 ,		2
54	Optimization of a holographic memory setup using a LCD and a PVA based photopolymer 2007 ,		1
53	Accurate control of a liquid-crystal display to produce a homogenized Fourier transform for holographic memories. <i>Optics Letters</i> , 2007 , 32, 2511-3	3	10
52	Real-time interferometric characterization of a polyvinyl alcohol based photopolymer at the zero spatial frequency limit. <i>Applied Optics</i> , 2007 , 46, 7506-12	1.7	16
51	An Improved 'Heuristic' Approximation for the Period of a Nonlinear Pendulum: Linear Analysis of a Classical Nonlinear Problem. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	18
50	Application of He's Homotopy Perturbation Method to the Relativistic (An)harmonic Oscillator. I: Comparison between Approximate and Exact Frequencies. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	9
49	Analysis of amplitude and phase coupling in volume holography 2006 , 6252, 338		
48	Analytical approximations for the period of a nonlinear pendulum. <i>European Journal of Physics</i> , 2006 , 27, 539-551	0.8	79
47	Effect of the glass substrate on the efficiency of the different orders that propagate in a transmission sinusoidal diffraction grating. <i>Journal of Modern Optics</i> , 2006 , 53, 1403-1410	1.1	
46	Achromatic diffractive lens written onto a liquid crystal display. <i>Optics Letters</i> , 2006 , 31, 392-4	3	30
45	3-dimensional characterization of thick grating formation in PVA/AA based photopolymer. <i>Optics Express</i> , 2006 , 14, 5121-8	3.3	25
44	Multiplexing holograms in an acrylamide photopolymer 2006 ,		1
43	3-dimensional analysis of holographic memories based on photopolymers using finite differences method 2006 , 6187, 307		
42	Analysis of Fabry-Berot interference effects on the modulation properties of liquid crystal displays. <i>Optics Communications</i> , 2006 , 265, 84-94	2	13
41	Grating matrix method to describe a volume transmission diffraction grating. <i>Optics Communications</i> , 2006 , 266, 122-128	2	1

40	Effect of the incorporation of N,N'-methylene-bis-acrylamide on the multiplexing of holograms in a hydrophilic acrylamide photopolymer. <i>Optics Communications</i> , 2006 , 268, 133-137	2	5
39	Characterization of polyvinyl alcohol/acrylamide holographic memories with a first-harmonic diffusion model. <i>Applied Optics</i> , 2005 , 44, 6205-10	1.7	14
38	Programmable apodizer to compensate chromatic aberration effects using a liquid crystal spatial light modulator. <i>Optics Express</i> , 2005 , 13, 716-30	3.3	33
37	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. <i>Optics Express</i> , 2005 , 13, 1939-47	3.3	51
36	Anamorphic and spatial frequency dependent phase modulation on liquid crystal displays. Optimization of the modulation diffraction efficiency. <i>Optics Express</i> , 2005 , 13, 2111-9	3.3	24
35	3 Dimensional analysis of holographic photopolymers based memories. <i>Optics Express</i> , 2005 , 13, 3543-57	3.3	36
34	Analysis of Second and Third Diffracted Orders in Volume Diffraction Gratings Recorded on Photopolymers. <i>Physica Scripta</i> , 2005 , 58	2.6	6
33	Maximum effective optical thickness of the gratings recorded in photopolymers 2005 ,		2
32	Holographic Gratings with Different Spatial Frequencies Recorded on BB-640 Bleached Silver Halide Emulsions Using Reversal Bleaches. <i>Materials Science Forum</i> , 2005 , 480-481, 543-548	0.4	1
31	Characterization of the retardance of a wave plate to increase the robustness of amplitude-only and phase-only modulations of a liquid crystal display. <i>Journal of Modern Optics</i> , 2005 , 52, 633-650	1.1	10
30	Complementary approaches with and without a Fourier plane for optical image processing education 2005 , 9664, 124		
29	Effect of a depth attenuated refractive index profile in the angular responses of the efficiency of higher orders in volume gratings recorded in a PVA/acrylamide photopolymer. <i>Optics Communications</i> , 2004 , 233, 311-322	2	23
28	Thin and thick diffraction gratings: Thin matrix decomposition method. <i>Optik</i> , 2004 , 115, 385-392	2.5	
27	Depth attenuated refractive index profiles in holographic gratings recorded in photopolymer materials 2004 , 5456, 449		
26	Modulation light efficiency of diffractive lenses displayed in a restricted phase-mostly modulation display. <i>Applied Optics</i> , 2004 , 43, 6278-84	1.7	48
25	Optimization of a PVA/acrylamide material for the recording of multiple diffraction gratings 2004 ,		1
24	Space-variant image processing with volume holography 2004 , 5456, 315		
23	Review of operating modes for twisted nematic liquid crystal displays for applications in optical image processing 2003 ,		1

22	Low spatial frequency characterization of holographic recording materials applied to correlation. <i>Journal of Optics</i> , 2003 , 5, S175-S182		2
21	Thick phase holographic gratings recorded on BB-640 and PFG-01 silver halide materials. <i>Journal of Optics</i> , 2003 , 5, S183-S188		4
20	Characterization of a PVA/acrylamide photopolymer. Influence of a cross-linking monomer in the final characteristics of the hologram. <i>Optics Communications</i> , 2003 , 224, 27-34	2	29
19	Diffusion-based model to predict the conservation of gratings recorded in poly(vinyl alcohol)-acrylamide photopolymer. <i>Applied Optics</i> , 2003 , 42, 5839-45	1.7	9
18	Edge-enhanced imaging with polyvinyl alcohol/acrylamide photopolymer gratings. <i>Optics Letters</i> , 2003 , 28, 1510-2	3	26
17	First-harmonic diffusion-based model applied to a polyvinyl-alcohol/acrylamide-based photopolymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 2052	1.7	36
16	An analysis of the classical Doppler effect. <i>European Journal of Physics</i> , 2003 , 24, 497-505	0.8	9
15	Phasor analysis of eigenvectors generated in liquid-crystal displays. <i>Applied Optics</i> , 2002 , 41, 4579-84	1.7	13
14	Characterization of the Liquid Crystal Display Modulation. Optimization for Some Applications. <i>Acta Physica Polonica A</i> , 2002 , 101, 189-200	0.6	1
13	Simultaneous encoding of amplitude apodizers and Fresnel lenses in spatial light modulators 2001 , 4419, 692		
12	Programmable amplitude apodizers in liquid crystal spatial light modulators 2001 ,		1
11	Phase measurements of a twisted nematic liquid crystal spatial light modulator with a common-path interferometer. <i>Optics Communications</i> , 2001 , 190, 129-133	2	17
10	Quantitative prediction of the modulation behavior of twisted nematic liquid crystal displays based on a simple physical model. <i>Optical Engineering</i> , 2001 , 40, 2558	1.1	104
9	Amplitude Apodizers Encoded onto Fresnel Lenses Implemented on a Phase-Only Spatial Light Modulator. <i>Applied Optics</i> , 2001 , 40, 2316-22	1.7	29
8	Interferometric phase measurements for polarization eigenvectors in twisted nematic liquid crystal spatial light modulators. <i>Optics Communications</i> , 2000 , 181, 1-6	2	26
7	Characterization of edge effects in twisted nematic liquid crystal displays. <i>Optical Engineering</i> , 2000 , 39, 3301	1.1	60
6	Production of computer-generated phase holograms using graphic devices: application to correlation filters. <i>Optical Engineering</i> , 2000 , 39, 1612	1.1	9
5	Fully complex synthetic discriminant functions written onto phase-only modulators. <i>Applied Optics</i> , 2000 , 39, 5965-70	1.7	13

4	Inherent apodization of lenses encoded on liquid-crystal spatial light modulators. <i>Applied Optics</i> , 2000 , 39, 6034-9	1.7	9
3	Copying low spatial frequency diffraction gratings in photopolymer as phase holograms. <i>Journal of Modern Optics</i> , 2000 , 47, 1089-1097	1.1	6
2	Programmable axial apodizing and hyperresolving amplitude filters with a liquid-crystal spatial light modulator. <i>Optics Letters</i> , 1999 , 24, 628-30	3	29
1	Characterization of the anamorphic and spatial frequency dependent phenomenon in Liquid Crystal on Silicon displays. <i>Journal of the European Optical Society-Rapid Publications</i> ,6,	2.5	8