

Inmaculada Pascual

List of Publications by Year in descending order

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265
papers

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995
citing authors

#	ARTICLE	IF	CITATIONS
1	Adulterant Detection in Peppermint Oil by Means of Holographic Photopolymers Based on Composite Materials with Liquid Crystal. <i>Polymers</i> , 2022, 14, 1061.	4.5	0
2	Polarimetric analysis of cross-talk phenomena induced by the pixelation in PA-LCoS devices. <i>Optics and Laser Technology</i> , 2022, 152, 108125.	4.6	4
3	Processing of Holographic Hydrogels in Liquid Media: A Study by High-Performance Liquid Chromatography and Diffraction Efficiency. <i>Polymers</i> , 2022, 14, 2089.	4.5	4
4	Green and wide acceptance angle solar concentrators. <i>Optics Express</i> , 2022, 30, 25366.	3.4	6
5	Tunable Waveguides Couplers Based on HPDLC for See-Through Applications. <i>Polymers</i> , 2021, 13, 1858.	4.5	6
6	Holography: 50th Anniversary of Dennis Gabor's Nobel Prize. Part II. An Engineering Perspective. , 2021, , .		0
7	Precise-Integration Time-Domain Formulation for Optical Periodic Media. <i>Materials</i> , 2021, 14, 7896.	2.9	1
8	Analysis of the Imaging Characteristics of Holographic Waveguides Recorded in Photopolymers. <i>Polymers</i> , 2020, 12, 1485.	4.5	15
9	Phase-Shift Optimization in AA/PVA Photopolymers by High-Frequency Pulsed Laser. <i>Polymers</i> , 2020, 12, 1887.	4.5	0
10	Accurate, Efficient and Rigorous Numerical Analysis of 3D H-PDLC Gratings. <i>Materials</i> , 2020, 13, 3725.	2.9	4
11	Editorial for the Special Issue "Polymeric and Polymer Nanocomposite Materials for Photonic Applications". <i>Polymers</i> , 2020, 12, 3036.	4.5	0
12	Aberration-Based Quality Metrics in Holographic Lenses. <i>Polymers</i> , 2020, 12, 993.	4.5	5
13	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 123002.	2.2	54
14	Analytical modeling of blazed gratings on two-dimensional pixelated liquid crystal on silicon devices. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	7
15	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.	3.3	8
16	LED-Cured Reflection Gratings Stored in an Acrylate-Based Photopolymer. <i>Polymers</i> , 2019, 11, 632.	4.5	12
17	Holographic Characteristics of Photopolymers Containing Different Mixtures of Nematic Liquid Crystals. <i>Polymers</i> , 2019, 11, 325.	4.5	13
18	Influence of Tert-Butylthiol and Tetrahydrofuran on the Holographic Characteristics of a Polymer Dispersed Liquid Crystal: A Research Line Toward a Specific Sensor for Natural Gas and Liquefied Petroleum Gas. <i>Polymers</i> , 2019, 11, 254.	4.5	4

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19	Complex Diffractive Optical Elements Stored in Photopolymers. <i>Polymers</i> , 2019, 11, 1920.	4.5	8
20	Holographic waveguides in photopolymers. <i>Optics Express</i> , 2019, 27, 827.	3.4	36
21	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.	3.4	11
22	Study of the imaging characteristics of holographic waveguides. , 2019, , .		0
23	Characterization of registered holographic lenses in a photopolymer compatible with the environment. <i>Optica Pura Y Aplicada</i> , 2019, 52, 1-10.	0.1	1
24	Blazed grating theory to minimize the non-idealities in LCoS devices. , 2019, , .		1
25	Efficient and stable holographic gratings stored in an environmentally friendly photopolymer. , 2019, , .		1
26	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. <i>Optical Materials</i> , 2018, 76, 295-301.	3.6	12
27	Spherical power error evaluation and stereopsis by using holographic optotype tests. <i>Optik</i> , 2018, 157, 761-767.	2.9	0
28	Numerical Analysis of H-PDLC Using the Split-Field Finite-Difference Time-Domain Method. <i>Polymers</i> , 2018, 10, 465.	4.5	4
29	Simplified physical modeling of parallel-aligned liquid crystal devices at highly non-linear tilt angle profiles. <i>Optics Express</i> , 2018, 26, 12723.	3.4	5
30	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.	2.5	2
31	Holographic Lenses in an Environment-Friendly Photopolymer. <i>Polymers</i> , 2018, 10, 302.	4.5	17
32	Diffractive and Interferometric Characterization of Nanostructured Photopolymer for Sharp Diffractive Optical Elements Recording. <i>Polymers</i> , 2018, 10, 518.	4.5	0
33	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.	1.0	3
34	Anamorphic characterization of a PA-LCoS based holographic data storage system. , 2018, , .		0
35	Versatile simplified physical model for parallel aligned liquid crystal devices. , 2018, , .		0
36	Multiplexed holograms recorded in a low toxicity Biophotopol photopolymer. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0

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37	Shrinkage measurement for holographic recording materials. , 2017, , .		1
38	Generation of diffractive optical elements onto photopolymer using liquid crystal on silicon displays. , 2017, , .		0
39	Peristrophic multiplexed holograms recorded in a low toxicity photopolymer. Optical Materials Express, 2017, 7, 133.	3.0	20
40	Modeling Diffractive Lenses Recording in Environmentally Friendly Photopolymer. Polymers, 2017, 9, 278.	4.5	3
41	Additives Type Schiffâ€™s Base as Modifiers of the Optical Response in Holographic Polymer-Dispersed Liquid Crystals. Polymers, 2017, 9, 298.	4.5	5
42	Optimization of Photopolymer Materials for the Fabrication of a Holographic Waveguide. Polymers, 2017, 9, 395.	4.5	18
43	Polarimetric and diffractive evaluation of 3.74 micron pixel-size LCoS in the telecommunications C-band. , 2017, , .		2
44	Diffractive lenses in biocompatible photopolymers using LCoS. , 2017, , .		0
45	SF-FDTD analysis of a predictive physical model for parallel aligned liquid crystal devices. , 2017, , .		1
46	Influence of 4,4â€™-azobis (4-cyanopentanoic acid) in Transmission and Reflection Gratings Stored in a PVA/AA Photopolymer. Materials, 2016, 9, 194.	2.9	4
47	Blazed Gratings Recorded in Absorbent Photopolymers. Materials, 2016, 9, 195.	2.9	10
48	Dimensional changes in slanted diffraction gratings recorded in photopolymers. Optical Materials Express, 2016, 6, 3455.	3.0	19
49	Analysis of volume holograms using the technique of Green's tensor. , 2016, , .		0
50	Effective modeling of PA-LCoS devices and application in data storage in photopolymers. , 2016, , .		0
51	Cylindrical diffractive lenses recorded on PVA/AA photopolymers. Proceedings of SPIE, 2016, , .	0.8	0
52	Analysis of holographic data storage using a PA-LCoS device. Proceedings of SPIE, 2016, , .	0.8	0
53	Measurement accuracy in accommodative response by the Nott method. Optik, 2016, 127, 9755-9762.	2.9	0
54	Influence of the spatial frequency on the diffractive optical elements fabrication in PDLCs. , 2016, , .		0

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55	PVA/AA photopolymers and PA-LCoS devices combined for holographic data storage. Proceedings of SPIE, 2016, , .	0.8	2
56	Biophotopolymers energetic sensitivity improved in 300nm layers by tuning the recording wavelength. Optical Materials, 2016, 52, 111-115.	3.6	16
57	Analysis of the calculation of the amplitude of accommodation. Optik, 2016, 127, 3474-3479.	2.9	3
58	Diffraction lenses recorded in absorbent photopolymers. Optics Express, 2016, 24, 1559.	3.4	22
59	En recuerdo de Felipe Mateos. Optica Pura Y Aplicada, 2016, 49, i-iii.	0.1	0
60	Characterization and comparison of different photopolymers for low spatial frequency recording. Optical Materials, 2015, 44, 18-24.	3.6	19
61	Predictive capability of average Stokes polarimetry for simulation of phase multilevel elements onto LCoS devices. Applied Optics, 2015, 54, 1379.	1.8	24
62	Split-field finite-difference time-domain method for second-harmonic generation in two-dimensionally periodic structures. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 664.	2.1	5
63	Effective angular and wavelength modeling of parallel aligned liquid crystal devices. Optics and Lasers in Engineering, 2015, 74, 114-121.	3.8	12
64	Exploring binary and ternary modulations on a PA-LCoS device for holographic data storage in a PVA/AA photopolymer. Optics Express, 2015, 23, 20459.	3.4	21
65	Static and dynamic effects of flicker in phase multilevel elements on LCoS devices. , 2015, , .		3
66	Study of the index matching for different photopolymers. , 2015, , .		1
67	Diffraction efficiency improvement in high spatial frequency holographic gratings stored in PVA/AA photopolymers: several ACPA concentrations. Journal of Optics (United Kingdom), 2015, 17, 015401.	2.2	2
68	Binary Intensity Modulation and Hybrid Ternary Modulation Applied to Multiplexing Objects Using Holographic Data Storage on a PVA/AA Photopolymer. International Journal of Polymer Science, 2014, 2014, 1-8.	2.7	3
69	Experimental Conditions to Obtain Photopolymerization Induced Phase Separation Process in Liquid Crystal-Photopolymer Composite Materials under Laser Exposure. International Journal of Polymer Science, 2014, 2014, 1-5.	2.7	4
70	Influence of Thickness on the Holographic Parameters of H-PDLC Materials. International Journal of Polymer Science, 2014, 2014, 1-7.	2.7	1
71	Beta Value Coupled Wave Theory for Nonslanted Reflection Gratings. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	1
72	Averaged Stokes polarimetry applied to characterize parallel-aligned liquid crystal on silicon displays. , 2014, , .		1

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73	Influence of the photopolymer properties in the fabrication of diffractive optical elements. , 2014, , .		1
74	Development of Matlab GUI educational software to assist a laboratory of physical optics. Proceedings of SPIE, 2014, , .	0.8	0
75	Retardance and flicker modeling and characterization of electro-optic linear retarders by averaged Stokes polarimetry. Optics Letters, 2014, 39, 1011.	3.3	37
76	Averaged Stokes polarimetry applied to evaluate retardance and flicker in PA-LCoS devices. Optics Express, 2014, 22, 15064.	3.4	42
77	Model of low spatial frequency diffractive elements recorded in photopolymers during and after recording. Optical Materials, 2014, 38, 46-52.	3.6	5
78	Electrical dependencies of optical modulation capabilities in digitally addressed parallel aligned liquid crystal on silicon devices. Optical Engineering, 2014, 53, 067104.	1.0	24
79	Performance analysis of SSE and AVX instructions in multi-core CPUs and GPU computing on FDTD scheme for solid and fluid vibration problems. Journal of Supercomputing, 2014, 70, 514-526.	3.6	6
80	Extended linear polarimeter to measure retardance and flicker: application to liquid crystal on silicon devices in two working geometries. Optical Engineering, 2014, 53, 014105.	1.0	23
81	Holographic transmission gratings stored with high spatial frequency in PVA/AA photopolymers. Proceedings of SPIE, 2014, , .	0.8	0
82	Influence of a bleaching post-exposure treatment in the performance of H-PDLC devices with high electric conductivity. Proceedings of SPIE, 2014, , .	0.8	0
83	Influence of the set-up on the recording of diffractive optical elements into photopolymers. , 2014, , .		2
84	Accuracy analysis of simplified and rigorous numerical methods applied to binary nanopatterning gratings in non-paraxial domain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2245-2250.	2.1	4
85	Improving the performance of PVA/AA photopolymers for holographic recording. Optical Materials, 2013, 35, 668-673.	3.6	28
86	Development of a unified FDTD-FEM library for electromagnetic analysis with CPU and GPU computing. Journal of Supercomputing, 2013, 64, 28-37.	3.6	6
87	Performance analysis of the FDTD method applied to holographic volume gratings: Multi-core CPU versus GPU computing. Computer Physics Communications, 2013, 184, 469-479.	7.5	11
88	UV-visible transmittance of silicone-hydrogel contact lenses measured with a fiber optic spectrometer. Proceedings of SPIE, 2013, , .	0.8	1
89	Study of measurement and calculation of the relative amplitude of accommodation. Proceedings of SPIE, 2013, , .	0.8	0
90	Analysis of the fabrication of diffractive optical elements in photopolymers. Proceedings of SPIE, 2013, , .	0.8	5

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91	Linearity in the response of photopolymers as optical recording media. Optics Express, 2013, 21, 10995.	3.4	17
92	Holographic grating stability: influence of 4,4-azobis (4-cyanopentanoic acid) on various spatial frequencies. Applied Optics, 2013, 52, 6322.	1.8	12
93	Analysis of holographic reflection gratings recorded in polyvinyl alcohol/acrylamide photopolymer. Applied Optics, 2013, 52, 1581.	1.8	5
94	Study of the modulation capabilities of parallel aligned liquid crystal on silicon displays. , 2013, , .		1
95	Overmodulation Control in the Optimization of a H-PDLC Device with Ethyl Eosin as Dye. International Journal of Polymer Science, 2013, 2013, 1-8.	2.7	15
96	Biophotopol: A Sustainable Photopolymer for Holographic Data Storage Applications. Materials, 2012, 5, 772-783.	2.9	31
97	Volume Holograms in Photopolymers: Comparison between Analytical and Rigorous Theories. Materials, 2012, 5, 1373-1388.	2.9	16
98	Relief diffracted elements recorded on absorbent photopolymers. Optics Express, 2012, 20, 11218.	3.4	19
99	Quantitative Comparison of Five Different Photosensitizers for Use in a Photopolymer. Research Letters in Physics, 2012, 2012, 1-11.	0.2	31
100	Classical polarimetric method revisited to analyse the modulation capabilities of parallel aligned liquid crystal on silicon displays. , 2012, , .		7
101	Analysis of the geometry of a holographic memory setup. , 2012, , .		1
102	Comparison of simplified theories in the analysis of the diffraction efficiency in surface-relief gratings. , 2012, , .		12
103	Study of the stability in holographic reflection gratings recorded in PVA/AA-based photopolymer. , 2012, , .		0
104	Analysis of PEA photopolymers at zero spatial frequency limit. Proceedings of SPIE, 2012, , .	0.8	1
105	Approximate solutions for the nonlinear pendulum equation using a rational harmonic representation. Computers and Mathematics With Applications, 2012, 64, 1602-1611.	2.7	23
106	A dynamic beam splitter using polymer dispersed liquid crystal materials. , 2012, , .		2
107	Comments on "A finite extensibility nonlinear oscillator". Applied Mathematics and Computation, 2012, 218, 6168-6175.	2.2	6
108	Analysis of the diffraction efficiency of reflection and transmission holographic gratings by means of a parallel FDTD approach. , 2011, , .		1

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109	Approximate expressions for the period of a simple pendulum using a Taylor series expansion. European Journal of Physics, 2011, 32, 1303-1310.	0.6	24
110	Comparison of photopolymers for optical data storage applications and relief diffractive optical elements recorded onto photopolymers. Proceedings of SPIE, 2011, , .	0.8	1
111	Surface relief model for photopolymers without cover plating. Optics Express, 2011, 19, 10896.	3.4	24
112	ANALYSIS OF REFLECTION GRATINGS BY MEANS OF A MATRIX METHOD APPROACH. Progress in Electromagnetics Research, 2011, 118, 167-183.	4.4	9
113	Performance improvement of high-thickness photopolymers for holographic data storage applications. Proceedings of SPIE, 2011, , .	0.8	1
114	Notes on "Application of the Hamiltonian approach to nonlinear oscillators with rational and irrational elastic terms". Mathematical and Computer Modelling, 2011, 54, 3204-3209.	2.0	6
115	Monomer diffusion in sustainable photopolymers for diffractive optics applications. Optical Materials, 2011, 33, 1626-1629.	3.6	9
116	Reduction of zero-order spatial frequencies by using binary intensity and phase modulations in holographic data storage. , 2011, , .		0
117	Generation of diffractive optical elements onto a photopolymer using a liquid crystal display. , 2010, , .		17
118	New photopolymers with high environmental compatibility: biophotopol compared to PVA/AA materials at zero spatial frequency limit. , 2010, , .		0
119	Optimization of a holographic memory setup using an LCD and a PVA-based photopolymer. Optik, 2010, 121, 151-158.	2.9	6
120	Study of influence of ACPA in holographic reflection gratings recorded in PVA/AA based photopolymer. Proceedings of SPIE, 2010, , .	0.8	5
121	Higher accurate approximate solutions for the simple pendulum in terms of elementary functions. European Journal of Physics, 2010, 31, L65-L70.	0.6	13
122	Hybrid Ternary Modulation Applied to Multiplexing Holograms in Photopolymers for Data Page Storage. Journal of Lightwave Technology, 2010, 28, 776-783.	4.6	22
123	Corneal aberrometric and refractive performance of 2 intrastromal corneal ring segment models in early and moderate ectatic disease. Journal of Cataract and Refractive Surgery, 2010, 36, 102-109.	1.5	46
124	Holographic lens recorded on photopolymers: fabrication and study of the image quality. Journal of Modern Optics, 2009, 56, 1288-1295.	1.3	9
125	Multiplexing holograms for data page storage using a LCD as hybrid ternary modulation. Proceedings of SPIE, 2009, , .	0.8	2
126	Reflection holograms in a PVA/AA photopolymer: several compositions. , 2009, , .		0

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127	Linearization of conservative nonlinear oscillators. <i>European Journal of Physics</i> , 2009, 30, 259-270.	0.6	18
128	Harmonic balancing approach to nonlinear oscillations of a punctual charge in the electric field of charged ring. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 735-740.	2.1	11
129	An explicit approximate solution to the Duffing-harmonic oscillator by a cubication method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2805-2809.	2.1	34
130	Considerations on "Harmonic balancing approach to nonlinear oscillations of a punctual charge in the electric field of charged ring". <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 4264-4265.	2.1	6
131	Cubication of conservative nonlinear oscillators. <i>European Journal of Physics</i> , 2009, 30, 973-981.	0.6	31
132	Refractive and Aberrometric Outcomes of Intracorneal Ring Segments for Keratoconus: Mechanical versus Femtosecond-assisted Procedures. <i>Ophthalmology</i> , 2009, 116, 1675-1687.	5.2	149
133	Intracorneal Ring Segment Implantation in Corneas with Post-Laser In Situ Keratomileusis Keratectasia. <i>Ophthalmology</i> , 2009, 116, 1665-1674.	5.2	76
134	Refractive and Corneal Aberrometric Changes after Intracorneal Ring Implantation in Corneas with Pellucid Marginal Degeneration. <i>Ophthalmology</i> , 2009, 116, 1656-1664.	5.2	48
135	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.	3.4	52
136	Spatial-phase-modulation-based study of polyvinyl-alcohol/acrylamide photopolymers in the low spatial frequency range. <i>Applied Optics</i> , 2009, 48, 4403.	2.1	17
137	Study of reflection gratings recorded in polyvinyl alcohol/acrylamide-based photopolymer. <i>Applied Optics</i> , 2009, 48, 6553.	2.1	12
138	Linearized Harmonic Balancing Approach for Accurate Solutions to the Dynamically Shifted Oscillator. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2009, 10, .	1.0	3
139	Hologram multiplexing in acrylamide hydrophilic photopolymers. <i>Optics Communications</i> , 2008, 281, 1354-1357.	2.1	16
140	Analysis of multiplexed holograms stored in a thick PVA/AA photopolymer. <i>Optics Communications</i> , 2008, 281, 1480-1485.	2.1	12
141	New trends on photopolymers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
142	Analysis of PVA/AA based photopolymers at the zero spatial frequency limit using interferometric methods. <i>Applied Optics</i> , 2008, 47, 2557.	2.1	19
143	Multiplexed holographic data page storage on a polyvinyl alcohol/acrylamide photopolymer memory. <i>Applied Optics</i> , 2008, 47, 4448.	2.1	21
144	Real-time interferometric characterization of a PVA based photopolymer. , 2008, , .		0

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145	Multiplexing holograms for data page storage as a holographic memory in a PVA/AA photopolymer. Proceedings of SPIE, 2008, , .	0.8	3
146	Direct analysis of monomer diffusion times in polyvinyl/acrylamide materials. Applied Physics Letters, 2008, 92, .	3.3	30
147	Characterization and optimization of liquid crystal displays for data storage applications. , 2007, , .		4
148	Optimization of a holographic memory setup using a LCD and a PVA based photopolymer. , 2007, , .		1
149	Low-cost liquid crystal display optimized as a monopixel coherent modulator. , 2007, , .		0
150	Accurate control of a liquid-crystal display to produce a homogenized Fourier transform for holographic memories. Optics Letters, 2007, 32, 2511.	3.3	14
151	Improved maximum uniformity and capacity of multiple holograms recorded in absorbent photopolymers. Optics Express, 2007, 15, 9308.	3.4	9
152	New photopolymer holographic recording material with sustainable design. Optics Express, 2007, 15, 12425.	3.4	63
153	Comparison of peristrophic multiplexing and a combination of angular and peristrophic holographic multiplexing in a thick PVA/acrylamide photopolymer for data storage. Applied Optics, 2007, 46, 5368.	2.1	42
154	Analysis of monomer diffusion in depth in photopolymer materials. Optics Communications, 2007, 274, 43-49.	2.1	18
155	Temporal response and first order volume changes during grating formation in photopolymers. Journal of Applied Physics, 2006, 99, 113105.	2.5	25
156	Effect of the glass substrate on the efficiency of the different orders that propagate in a transmission sinusoidal diffraction grating. Journal of Modern Optics, 2006, 53, 1403-1410.	1.3	0
157	3-dimensional characterization of thick grating formation in PVA/AA based photopolymer. Optics Express, 2006, 14, 5121.	3.4	29
158	Optimization of a thick polyvinyl alcohol-acrylamide photopolymer for data storage using a combination of angular and peristrophic holographic multiplexing. Applied Optics, 2006, 45, 7661.	2.1	66
159	Multiplexing holograms in an acrylamide photopolymer. , 2006, , .		1
160	<title>3D behaviour of photopolymers as holographic recording material</title>. , 2006, , .		1
161	3-dimensional analysis of holographic memories based on photopolymers using finite differences method. , 2006, 6187, 307.		0
162	<title>High thickness acrylamide photopolymer for peristrophic multiplexing</title>. , 2006, , .		0

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163	Grating matrix method to describe a volume transmission diffraction grating. Optics Communications, 2006, 266, 122-128.	2.1	1
164	Effect of the incorporation of N,N-dimethyl-methylene-bis-acrylamide on the multiplexing of holograms in a hydrophilic acrylamide photopolymer. Optics Communications, 2006, 268, 133-137.	2.1	6
165	<title>Analysis of amplitude and phase coupling in volume holography</title>. , 2006, 6252, 338.		0
166	Effects in reconstruction of diffraction gratings multiplexed in acrylamide photopolymers. , 2005, , .		0
167	Holographic optical elements for Bragg image processing. , 2005, , .		1
168	Finite difference time domain method (FDTD) to predict the efficiencies of the different orders inside a volume grating. , 2005, , .		1
169	Holographic Characteristics of an Acrylamide/Bisacrylamide Photopolymer in 40-µm Thick Layers. Physica Scripta, 2005, , 66.	2.5	21
170	Analysis of Second and Third Diffracted Orders in Volume Diffraction Gratings Recorded on Photopolymers. Physica Scripta, 2005, , 58.	2.5	6
171	Analysis of Bragg Diffraction Filters Applied to Image Processing. Physica Scripta, 2005, , 54.	2.5	2
172	Maximum effective optical thickness of the gratings recorded in photopolymers. , 2005, , .		2
173	Diffusion parameters estimation of holographic memories based in PVA/acrylamide photopolymer. , 2005, , .		0
174	Holographic Gratings with Different Spatial Frequencies Recorded on BB-640 Bleached Silver Halide Emulsions Using Reversal Bleaches. Materials Science Forum, 2005, 480-481, 543-548.	0.3	1
175	Complementary approaches with and without a Fourier plane for optical image processing education. Proceedings of SPIE, 2005, 9664, 124.	0.8	0
176	High-efficiency volume holograms recording on acrylamide and N,N-dimethyl-methylene-bis-acrylamide photopolymer with pulsed laser. Journal of Modern Optics, 2005, 52, 1575-1584.	1.3	20
177	Clarifications to the paper "Holographic characteristics of a 1-mm-thick photopolymer to be used in holographic memories". Applied Optics, 2005, 44, 1448.	2.1	3
178	Characterization of polyvinyl alcohol/acrylamide holographic memories with a first-harmonic diffusion model. Applied Optics, 2005, 44, 6205.	2.1	27
179	Holographic photopolymer materials: nonlocal polymerization-driven diffusion under nonideal kinetic conditions. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 407.	2.1	96
180	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. Optics Express, 2005, 13, 1939.	3.4	66

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181	3 Dimensional analysis of holographic photopolymers based memories. Optics Express, 2005, 13, 3543.	3.4	50
182	Temporal analysis of grating formation in photopolymer using the nonlocal polymerization-driven diffusion model. Optics Express, 2005, 13, 6990.	3.4	103
183	Comparative study of bleaches applied to BB-640 plates. Journal of Optics, 2004, 6, 71-76.	1.5	0
184	Stabilization of volume gratings recorded in polyvinyl alcohol-acrylamide photopolymers with diffraction efficiencies higher than 90%. Journal of Modern Optics, 2004, 51, 491-503.	1.3	17
185	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. Optics Communications, 2004, 233, 311-322.	2.1	28
186	Angular responses of the first diffracted order in over-modulated volume diffraction gratings. Journal of Modern Optics, 2004, 51, 1149-1162.	1.3	7
187	Depth attenuated refractive index profiles in holographic gratings recorded in photopolymer materials. , 2004, 5456, 449.		0
188	Optimization of a PVA/acrylamide material for the recording of multiple diffraction gratings. , 2004, , .		2
189	Space-variant image processing with volume holography. , 2004, 5456, 315.		0
190	High-efficiency volume holograms recording on acrylamide and N,N'methylene-bis-acrylamide photopolymer with pulsed laser. , 2004, , .		1
191	Determinación de las constantes ópticas y el espesor de materiales holográficos. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 457-460.	1.9	1
192	Comparison between a thin matrix decomposition method and the rigorous coupled wave theory applied to volume diffraction gratings. Optik, 2003, 114, 529-534.	2.9	2
193	Optimization of a 1 mm thick PVA/acrylamide recording material to obtain holographic memories: method of preparation and holographic properties. Applied Physics B: Lasers and Optics, 2003, 76, 851-857.	2.2	80
194	Overmodulation effects in volume holograms recorded on photopolymers. Optics Communications, 2003, 215, 263-269.	2.1	38
195	Characterization of a PVA/acrylamide photopolymer. Influence of a cross-linking monomer in the final characteristics of the hologram. Optics Communications, 2003, 224, 27-34.	2.1	38
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