

# CITATION REPORT

List of articles citing

## Holographic Polymer-Dispersed Liquid Crystals (H-PDLCs)

DOI: 10.1146/annurev.matsci.30.1.83

Annual Review of Materials Research, 2000, 30, 83-115.

**Source:** <https://exaly.com/paper-pdf/32103670/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
473	11.1: Invited Paper: Switchable Reflective Displays Formed from Holographic Polymer-Dispersed Liquid Crystals (H-PDLCs). <i>Digest of Technical Papers SID International Symposium</i> , <b>2000</b> , 31, 121-123	0.5	13
472	Templated Droplets and Ordered Arrays in Polymer-Dispersed Liquid-Crystal Films. <b>2001</b> , 13, 2281-2287		33
471	Real-time Study of the Evolution of Anisotropic Phase Separation in H-PDLCs. <b>2001</b> , 709, 1		
470	Two-phase nanoscale morphology of polymer/LC composites. <b>2001</b> , 42, 1055-1065		37
469	Variable-wavelength switchable Bragg gratings formed in polymer-dispersed liquid crystals. <b>2001</b> , 79, 9-11		61
468	Inhomogeneous nanoscale polymer-dispersed liquid crystals with gradient refractive index. <b>2002</b> , 81, 3537-3539		76
467	Polymer scaffolding model for holographic polymer-dispersed liquid crystals. <b>2002</b> , 81, 4736-4738		59
466	Deuteron NMR study of molecular ordering in a holographic-polymer-dispersed liquid crystal. <i>Physical Review E</i> , <b>2002</b> , 66, 021710	2.4	25
465	Switchable Bragg diffraction from liquid crystal in colloid-templated structures. <b>2002</b> , 58, 679-685		34
464	Development of non-reactive fluorine-rich biphenyl molecules and their incorporation into a PDLC system. <i>Liquid Crystals</i> , <b>2002</b> , 29, 537-542	2.3	3
463	Photorefractive inorganic organic polymer-dispersed liquid-crystal nanocomposite photosensitized with cadmium sulfide quantum dots. <b>2002</b> , 27, 1330-2		22
462	Effect of director distortions on morphologies of phase separation in liquid crystals. <i>Physical Review E</i> , <b>2002</b> , 65, 060701	2.4	87
461	Influence of partial matrix fluorination on morphology and performance of HPDLC transmission gratings. <b>2002</b> , 43, 7335-7344		90
460	Effects of the chirality and functionality of monomers on the holographic gratings formed in photosensitive films. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 2246-2254	2.9	1
459	Low-frequency proton NMR relaxometry of a polymer dispersed liquid crystal above TNI. <b>2003</b> , 21, 169-75		4
458	Tunable electronic lens using a gradient polymer network liquid crystal. <b>2003</b> , 82, 22-24		139
457	Low-Frequency NMR Relaxometry of Spatially Constrained Liquid Crystals. <b>2003</b> , 375-398		2

456	Active U-turn electrooptic switch formed in patterned holographic polymer-dispersed liquid crystals. <b>2003</b> , 15, 685-687	9
455	Switchable Holographic Polymer-Dispersed Liquid Crystal Reflection Gratings Based on Thiol-ene Photopolymerization. <b>2003</b> , 15, 2477-2484	168
454	Effect of Monomer Functionality on the Morphology and Performance of the Holographic Transmission Gratings Recorded on Polymer Dispersed Liquid Crystals. <i>Macromolecules</i> , <b>2003</b> , 36, 630-638	107
453	Switchable infrared reflectors fabricated in polymer-dispersed liquid crystals.	0
452	Tunable two-photon pumped lasing using a holographic polymer-dispersed liquid-crystal grating as a distributed feedback element. <b>2003</b> , 83, 2733-2735	63
451	Temporally multiplexed holographic polymer-dispersed liquid crystals. <b>2003</b> , 82, 1652-1654	27
450	P-115: 3D Simulations of Nematic and Cholesteric Liquid Crystals in Complex Geometries. <i>Digest of Technical Papers SID International Symposium</i> , <b>2003</b> , 34, 664	0.5
449	Electro-optical and Morphological Properties of Bragg Transmission Gratings Written In Holographic Polymer Dispersed Liquid Crystals by Thiol-ene Photopolymerization. <b>2003</b> , 776, 11121	1
448	Optical diffraction gratings from polymer-dispersed liquid crystals switched by interdigitated electrodes. <b>2004</b> , 96, 6207-6212	3
447	Electro-optics of bipolar nematic liquid crystal droplets. <b>2004</b> , 92, 105503	52
446	Fast-response and scattering-free polymer network liquid crystals for infrared light modulators. <b>2004</b> , 84, 1233-1235	109
445	Structural transitions in holographic polymer-dispersed liquid crystals. <i>Physical Review E</i> , <b>2004</b> , 69, 051703	26
444	Mechanical tuning of holographic polymer-dispersed liquid crystal reflection gratings. <b>2004</b> , 85, 1949-1951	23
443	Holographic photonic crystals. <b>2004</b> , 43, 1973	64
442	Fine structure of angular selectivity of diffraction efficiency of holograms recorded on materials polymerized by IR radiation. <b>2004</b> , 99, 101-108	3
441	Diffraction grating in noncrosslinked polymers. <b>2004</b> , 42, 613-620	14
440	One- and Two-Dimensionally Structured Polymer Networks in Liquid Crystals for Switchable Diffractive Optical Applications. <b>2004</b> , 14, 1227-1232	15
439	The influence of surfactant in reflective HPDLC gratings. <b>2004</b> , 45, 7213-7218	53

438	Angular selectivity asymmetry of holograms recorded in near infrared sensitive liquid crystal photopolymerizable materials. <b>2004</b> , 238, 261-267		14
437	Holographically formed polymer dispersed liquid crystal displays. <b>2004</b> , 25, 177-186		48
436	Surface relief gratings on polymer dispersed liquid crystals by polarization holography. <b>2004</b> , 85, 2505-2507		25
435	Optically switchable liquid crystal photonic structures. <b>2004</b> , 126, 13580-1		74
434	Polymer science and technology for new generation photonics and biophotonics. <b>2004</b> , 8, 11-19		38
433	Silica-nanoparticle-dispersed methacrylate photopolymers with net diffraction efficiency near 100%. <i>Applied Optics</i> , <b>2004</b> , 43, 2125-9	1.7	111
432	P-89: Holographic Polymer-Dispersed LCDs: A New Model of Formation Kinetics. <i>Digest of Technical Papers SID International Symposium</i> , <b>2004</b> , 35, 594	0.5	
431	Electrically tunable, multimode 2-D organic photonic crystal lasers. <b>2005</b> ,		
430	P-102: Electro-optical Characteristics of Holographic Polymer Dispersed Liquid Crystal Bragg Gratings. <i>Digest of Technical Papers SID International Symposium</i> , <b>2005</b> , 36, 682	0.5	1
429	Effect of surfactant on the electro-optical properties of holographic polymer dispersed liquid crystal Bragg gratings. <i>Optical Materials</i> , <b>2005</b> , 27, 1451-1455	3.3	72
428	Control of morphology and diffraction efficiency of holographic gratings using siloxane-containing reactive diluent. <b>2005</b> , 6, 435-442		18
427	Polarization properties of thick anisotropic diffraction holograms recorded with infrared-polymerizable media. <b>2005</b> , 50, 55		1
426	Preparation and electro-optical behaviors of polymer stabilized liquid crystal cells with chiral matrices derived from $\beta$ -camphor. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 98, 88-96	2.9	14
425	TiO <sub>2</sub> Nanoparticle Photopolymer Composites for Volume Holographic Recording. <b>2005</b> , 15, 1623-1629		98
424	Organic Solvent Vapor Detection Using Holographic Photopolymer Reflection Gratings. <i>Advanced Materials</i> , <b>2005</b> , 17, 2211-2214	24	44
423	Dynamic Lasing from All-Organic Two-Dimensional Photonic Crystals. <i>Advanced Materials</i> , <b>2005</b> , 17, 2807-2811	47	
422	Nonlinear diffraction in gratings based on polymer dispersed TiO <sub>2</sub> nanoparticles. <b>2005</b> , 80, 947-951		31
421	Interface morphology and phase separation in polymer-dispersed liquid crystal composites. <b>2005</b> , 46, 4465-4473		22

420	Effects of formulation variables on liquid-crystal droplet size distributions in ultraviolet-cured polymer-dispersed liquid-crystal cells. <b>2005</b> , 43, 1842-1848		15
419	Polarized light out-coupling from lightguides for LCDs. <b>2005</b> , 5, 59-69		5
418	Transmission holographic gratings using (siloxane and mesogen)-containing compounds. <b>2005</b> , 8, 473-486		7
417	Electrically switchable third-harmonic generation in photonic crystals. <b>2005</b> , 97, 083512		9
416	Diffraction measurement and analysis of slanted holographic polymer dispersed liquid crystal. <b>2005</b> , 98, 043510		10
415	Visible and near-infrared characterization and modeling of nanosized holographic-polymer-dispersed liquid crystal gratings. <i>Physical Review E</i> , <b>2005</b> , 72, 011702	2.4	17
414	Morphological Studies of Holographically Formed Polymer Dispersed Ferroelectric Liquid Crystals Using Elevated Temperature Exposure. <b>2005</b> , 439, 23/[1889]-31/[1897]		1
413	Electro-Optical Properties of UV Stabilized Sub-Micron Dispersion with Low Liquid Crystal Content. <b>2005</b> , 435, 173/[833]-183/[843]		
412	Polymer crystallization/melting induced thermal switching in a series of holographically patterned Bragg reflectors. <b>2005</b> , 1, 238-242		29
411	Creating Three-Dimensional Polymeric Microstructures by Multi-Beam Interference Lithography. <b>2005</b> , 45, 351-373		36
410	High-Performance Transmission Holographic Gratings via Different Polymerization Rates of Dipentaerythritol Acrylates and Siloxane-Containing Epoxides. <b>2005</b> , 17, 6263-6271		43
409	Multiplexed holographic transmission gratings recorded in holographic polymer-dispersed liquid crystals: static and dynamic studies. <i>Applied Optics</i> , <b>2005</b> , 44, 5273-80	1.7	13
408	Cascaded holographic polymer reflection grating filters for optical-code-division multiple-access applications. <i>Applied Optics</i> , <b>2005</b> , 44, 7581-6	1.7	15
407	Electrically Switchable Two-Dimensional Penrose Quasi-Crystal. <b>2005</b> , 433, 297-308		5
406	Switchable holographic gratings formed in polymer-dispersed liquid-crystal cells by use of a He-Ne laser. <b>2005</b> , 30, 592-4		30
405	Holographic manipulation of nanoparticle distribution morphology in nanoparticle-dispersed photopolymers. <b>2005</b> , 30, 839-41		115
404	Fast birefringent mode stressed liquid crystal. <b>2005</b> , 86, 031111		73
403	An efficient illumination system for liquid crystal displays incorporating an anisotropic hologram. <b>2005</b> , 87, 094101		7

402	Polarization dependent Bragg diffraction and electro-optic switching of three-dimensional assemblies of nematic liquid crystal droplets. <b>2006</b> , 88, 121911		16
401	39.4: Polarization-Independent Switching With High Contrast from a Liquid Crystal Polarization Grating. <i>Digest of Technical Papers SID International Symposium</i> , <b>2006</b> , 37, 1443	0.5	31
400	Optimization of Pressure Response in HPDLC Gratings Based on Polymer Composition. <b>2006</b> , 450, 183/[383]-190/[390]		
399	Characterization of Nano-PDLC as Optical Data Storage Materials. <b>2006</b> , 453, 155-163		4
398	The effect of polymer chain length on the thermodynamics of acrylate/cyanobiphenyl mixtures. <i>Liquid Crystals</i> , <b>2006</b> , 33, 195-203	2.3	2
397	Electrically Controllable Diffraction Efficiency of H-PDLC Film Composed of Ellipsoidal Liquid Crystal Droplets. <b>2006</b> , 453, 321-332		5
396	Highly efficient liquid crystal based diffraction grating induced by polarization holograms at the aligning surfaces. <b>2006</b> , 89, 121105		121
395	Band-edge-induced Bragg diffraction in two-dimensional photonic crystals. <b>2006</b> , 31, 1184-6		7
394	Switchable quasi-crystal structures with five-, seven-, and ninefold symmetries. <b>2006</b> , 23, 149		60
393	P-209: Evaluation of Projection Schemes for the Liquid Crystal Polarization Grating Operating on Unpolarized Light. <i>Digest of Technical Papers SID International Symposium</i> , <b>2006</b> , 37, 1015	0.5	6
392	Siloxane-containing Bifunctional Epoxide Together with Multi-functional Acrylates to Improve the Performance of Holographic Gratings. <b>2006</b> , 240, 130-140		5
391	Fabricating three-dimensional polymeric photonic structures by multi-beam interference lithography. <b>2006</b> , 17, 83-93		139
390	Three component ketocoumarin, amine, maleimide photoinitiator II. <b>2006</b> , 42, 3133-3139		24
389	Total internal reflection holographic gratings recorded in polymer-dispersed liquid crystals. <b>2006</b> , 260, 192-195		20
388	Matrix physical structure effect on the electro-optic characteristics of thiolene based H-PDLC films. <b>2006</b> , 47, 2741-2749		50
387	Time-resolved light scattering of the phase separation in polymer-dispersed liquid crystals formed by photo-polymerization induced phase separation. <b>2006</b> , 47, 6311-6321		17
386	On the structure of holographic polymer-dispersed polyethylene glycol. <b>2006</b> , 47, 8147-8154		19
385	Polymer-dispersed liquid crystal/layered double hydroxide nanocomposite: A new emerging optical application. <b>2006</b> , 67, 938-943		16

- 384 Three-dimensional switchable polymer photonic crystals via various optical wave interference techniques. *Liquid Crystals*, **2006**, 33, 775-788 2.3 6
- 383 Thermal polarization properties of thick anisotropic diffraction holograms recorded in polymer-dispersed liquid crystals. **2006**, 51, 752-757 1
- 382 Transmission Holographic Gratings Using Siloxane-containing Liquid Crystalline Compounds. Importance of Chemical Structure of Polymer Matrix Components. **2006**, 38, 678-685 4
- 381 High performance holographic polymer dispersed liquid crystal systems using multi-functional acrylates and siloxane-containing epoxides as matrix components. **2006**, 83, 365-375 15
- 380 Holographic polymer-dispersed liquid crystals and polymeric photonic crystals formed by holographic photolithography. **2006**, 14, 155-165 5
- 379 The influence of N-vinyl-2-pyrrolidinone in polymerization of holographic polymer dispersed liquid crystals (HPDLCs). **2006**, 47, 2289-2298 43
- 378 Holographic polymer dispersed liquid crystal reflection gratings formed by visible light initiated thiol-ene photopolymerization. **2006**, 47, 4411-4420 77
- 377 Nanosized-Silica-Reinforced Holographic Polymer-Dispersed Liquid Crystals. **2006**, 27, 553-557 35
- 376 Low Driving Voltage and Analysis of Azobenzene Polymer Doped Liquid Crystal Grating. **2006**, 23, 3285-3287 2
- 375 Transmission holographic gratings produced using networked polyurethane acrylates with various functionalities. **2006**, 17, 2012-2017 23
- 374 Recording of evanescent waves in holographic polymer dispersed liquid crystals. **2006**, 8, 205-207 5
- 373 Colossal light-induced refractive-index modulation for neutrons in holographic polymer-dispersed liquid crystals. **2006**, 97, 167803 13
- 372 Temperature dependence of optical anisotropy of holographic polymer-dispersed liquid crystal transmission gratings. *Physical Review E*, **2006**, 74, 021707 2.4 26
- 371 New Generation of Holographic Gratings Based on Polymer-LC Composites: POLICRYPS and POLIPHEM. **2006**, 453, 1-13 28
- 370 Holographically formed Bragg reflection gratings recorded in polymer-dispersed Liquid crystal cells using a He-Ne laser. **2006**, 88, 051121 17
- 369 Design of Polysiloxane Materials for Electronic Applications. **2006**, 447, 189/[507]-202/[520]
- 368 Optical and mechanical shrinkage effects in dye-doped photonic bandgap structures based on organic materials. *Physical Review E*, **2006**, 73, 011708 2.4 4
- 367 Gap Material Study for Holographically Formed Polymer Dispersed Liquid Crystal Composite Film Stacks. **2007**, 478, 151/[907]-162/[918] 1

366	Computer-Generated Holographic Gratings in Soft Matter. <b>2007</b> , 465, 371-378		6
365	Characterization of Blue Sensitive Holographic Polymer Dispersed Liquid Crystal for Microholographic Data Storage. <b>2007</b> , 465, 203-215		12
364	Electrically Tunable Three-Dimensional Holographic Photonic Crystal Made of Polymer-Dispersed Liquid Crystals Using a Single Prism. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 6634-6638	1.4	23
363	Photoinduced surface relief studies in an acrylamide-based photopolymer. <b>2007</b> , 9, 43-48		12
362	Electrically switchable computer-generated hologram recorded in polymer-dispersed liquid crystals. <b>2007</b> , 90, 191118		27
361	Liquid crystal polymer composite films for reconfigurable photomasking applications. <b>2007</b> , 91, 141119		5
360	A computer simulation study of the formation of liquid crystal nanodroplets from a homogeneous solution. <b>2007</b> , 126, 044905		32
359	Nanoporous polymeric transmission gratings for high-speed humidity sensing. <b>2007</b> , 18, 465501		19
358	L-6: Late-News Paper: Achromatic Diffraction Using Reactive Mesogen Polarization Gratings. <i>Digest of Technical Papers SID International Symposium</i> , <b>2007</b> , 38, 1401-1404	0.5	3
357	Detailed investigation of high-resolution reflection gratings through angular-selectivity measurements. <b>2007</b> , 24, 471		9
356	Holographically formed polymer dispersed liquid crystal films for transmission mode spectrometer applications. <i>Applied Optics</i> , <b>2007</b> , 46, 6277-82	1.7	15
355	Analysis of Anisotropic Diffraction Gratings Using Holographic Polymer-Dispersed Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 7341-7346	1.4	17
354	Diffraction grating in a holographic polymer dispersed liquid crystal based on polyurethane acrylate. <i>Liquid Crystals</i> , <b>2007</b> , 34, 79-85	2.3	7
353	Aminopropyltriethoxysilane (APTES)-functionalized nanoporous polymeric gratings: fabrication and application in biosensing. <b>2007</b> , 17, 4896		84
352	Contribution of monomer functionality and additives to polymerization kinetics and liquid crystal phase separation in acrylate-based polymer-dispersed liquid crystals (PDLCs). <i>Liquid Crystals</i> , <b>2007</b> , 34, 1377-1385	2.3	34
351	Morphology and switching of holographic gratings containing an azo dye. <i>Liquid Crystals</i> , <b>2007</b> , 34, 527-533		12
350	Monomer Functionality Effects in the Formation of Thiolene Holographic Polymer Dispersed Liquid Crystals. <i>Macromolecules</i> , <b>2007</b> , 40, 1121-1127	5.5	50
349	Layer-in-layer hierarchical nanostructures fabricated by combining holographic polymerization and block copolymer self-assembly. <b>2007</b> , 7, 3128-33		26



348	Quantification of Liquid Crystal Concentrations in Periodically Stratified Polymer-Dispersed Liquid Crystal Films by Dynamic Secondary Ion Mass Spectrometry and Multivariate Statistical Analysis. <b>2007</b> , 111, 10965-10971		7
347	Phase separation of polymer-dispersed liquid crystals on a chemically patterned substrate. <b>2007</b> , 23, 7411-5		24
346	Introduction. <b>2007</b> , 15, 589		36
345	Patterning Semiconductor Nanocrystals in Polymer Films. <b>2007</b> , 17, 3105-3110		29
344	Surfactant effects on morphology and switching of holographic PDLCs based on polyurethane acrylates. <b>2007</b> , 8, 175-80		25
343	Electro-optical switching of liquid crystal diffraction gratings by using surface relief effect in the photopolymer. <b>2007</b> , 273, 367-369		14
342	Electro-optic study of acrylate based holographic polymer dispersed liquid crystals with broad band photosensitivity. <b>2007</b> , 277, 225-227		4
341	Optical birefringence and anisotropic scattering in acrylate based holographic polymer dispersed liquid crystals. <b>2007</b> , 278, 28-33		15
340	Effect of electric field and temperature on holographic scattering from holographic polymer-dispersed liquid crystals. <i>Optical Materials</i> , <b>2007</b> , 29, 1416-1422	3-3	9
339	Holographic polymer dispersed liquid crystals (HPDLCs) containing triallyl isocyanurate monomer. <b>2007</b> , 48, 5979-5987		38
338	Refractive index-modulated grating in two-mode planar polymeric waveguide produced by two-photon polymerization. <b>2007</b> , 18, 519-521		5
337	Liquid-crystal materials find a new order in biomedical applications. <b>2007</b> , 6, 929-38		548
336	Angular selectivity of liquid crystal composite gratings. <b>2007</b> , 43, 441-444		
335	Topological changes in bipolar nematic droplets under flow. <b>2007</b> , 98, 087801		60
334	Formation of Stable Holographic Polymer Dispersed Liquid Crystal Grating with High Diffraction Efficiency Assisted by in situ Hydrolysis-Condensation of Trialkoxysilylalkyl Group of Methacrylate Component. <b>2007</b> , 39, 1157-1166		6
333	A novel process for holographic polymer dispersed liquid crystal system via simultaneous photo-polymerization and siloxane network formation. <b>2007</b> , 3, 219-227		7
332	Nitroxide radicals reduce shrinkage in acrylate-based holographic gratings. <i>Optical Materials</i> , <b>2007</b> , 30, 539-544	3-3	14
331	Low threshold and high contrast polymer dispersed liquid crystal grating based on twisted nematic polarization modulator. <b>2008</b> , 91, 17-20		8

330	Huge retardation of grating formation in holographic polymer-dispersed liquid crystals. <b>2008</b> , 91, 11-15		3
329	Holographically recorded reverse-mode transmission gratings in polymer-dispersed liquid crystal cells. <b>2008</b> , 93, 481-489		4
328	Nanostructured polymers for photonics. <b>2008</b> , 11, 48-56		109
327	Design of holographic polymer-dispersed liquid crystals based on solubility parameters. <b>2008</b> , 57, 626-631		6
326	Effects of surfactant and molecular weight of polyol on grating formation and switching of holographic PDLC. <b>2008</b> , 19, n/a-n/a		1
325	Holographic-polymer-dispersed liquid crystals doped with poly(vinyl carbazole)fullerene. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 3108-3113	2.9	2
324	Kinetics of photopolymerization-induced phase separation and morphology development in mixtures of a nematic liquid crystal and multifunctional acrylate. <b>2008</b> , 49, 534-545		39
323	Holographic patterning of luminescent photopolymer nanocomposites. <b>2008</b> , 28, 28-35		40
322	Haloalkane-based polymeric mixtures for high density optical data storage. <i>Optical Materials</i> , <b>2008</b> , 30, 1878-1882	3.3	9
321	Humidity sensing based on nanoporous polymeric photonic crystals. <b>2008</b> , 129, 391-396		58
320	LC dependent electro-optical properties of holographic polymer dispersed liquid crystals. <b>2008</b> , 29, 482-486		6
319	High dielectric anisotropy compound doped transmission gratings of HPDLC. <b>2008</b> , 281, 2167-2172		5
318	Investigation of the optical properties of polymer-liquid crystal holographic materials for use in photonics. <b>2008</b> , 42, 546-547		
317	Efficient Bragg diffraction in thin semiconductor two-dimensional gratings. <b>2008</b> , 33, 2868-70		1
316	Formation of anisotropic diffraction gratings in a polymer-dispersed liquid crystal by polarization modulation using a spatial light modulator. <i>Applied Optics</i> , <b>2008</b> , 47, 3015-22	1.7	18
315	Polarization characteristics of polymer-liquid-crystal diffraction gratings. <b>2008</b> , 75, 514		4
314	Introduction. <b>2008</b> , 16, 117		21
313	Molecular dynamics of the interfacial properties of partially fluorinated polymer dispersed liquid crystal gratings. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 235302	3	9

312	Nanoporous polymeric structures: Fabrication and applications in biosensing and drug delivery. <b>2008,</b>		
311	Improvements in morphological and electro-optical properties of polymer-dispersed liquid crystal grating using a highly fluorine-substituted acrylate monomer. <i>Liquid Crystals</i> , <b>2008</b> , 35, 885-893	2.3	10
310	Holographic Patterning of Composite Polymeric Materials for Photonic Applications. <b>2008</b> , 486, 21/[1063]-30/[1072]		
309	Photopolymerization-induced crystallization and phase separation in poly(ethylene oxide)/triacrylate blends. <b>2008</b> , 129, 244901		6
308	Lineshape and morphology study of structures formed using a reconfigurable photomasking element. <b>2008</b> , 7, 033007		
307	Multilayer stacking technique for holographic polymer dispersed liquid crystals. <b>2008</b> , 93, 261113		1
306	Diffraction Properties of Anisotropic Volume Gratings Formed in Polymer-Dispersed Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 6688-6694	1.4	8
305	In-Plane Switching of Holographic Polymer-Dispersed Liquid Crystal Transmission Gratings. <b>2008</b> , 495, 177/[529]-185/[537]		2
304	Transmission holographic polymer-dispersed liquid crystal based on fluorinated polymer matrices. <i>Liquid Crystals</i> , <b>2008</b> , 35, 987-994	2.3	6
303	All-optical switching of holographic gratings made of polymer-liquid-crystal-polymer slices containing azo-compounds. <b>2008</b> , 93, 181115		34
302	Determination of liquid crystal orientation in holographic polymer dispersed liquid crystals by linear and nonlinear optics. <b>2008</b> , 104, 073115		1
301	Holographic PDLC Containing Fluorine Segments. <b>2008</b> , 81, 773-777		2
300	Holographic Polymer-Dispersed Liquid Crystals: Materials, Formation, and Applications. <b>2008</b> , 2008, 1-52		60
299	Two-directional lasing from a dye-doped two-dimensional hexagonal photonic crystal made of holographic polymer-dispersed liquid crystals. <b>2009</b> , 95, 151115		24
298	High efficiency reflective liquid crystal polarization gratings. <b>2009</b> , 95, 091106		32
297	Reconfigurable liquid crystal droplets using a dielectric force. <b>2009</b> , 95, 241108		7
296	Nanoporous Polymeric Periodic Structures Fabricated by Emulsion-assisted Holographic Patterning. <b>2009</b> , 1228, 110201		
295	Thermo-stability of acrylate based holographic polymer dispersed liquid crystal gratings. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 115504	3	4

294	Electro-optical switching of the holographic polymer-dispersed liquid crystal diffraction gratings. <b>2009</b> , 11, 024023	5
293	Effects of monomer functionality on switchable holographic gratings formed in polymer-dispersed liquid-crystal cells. <b>2009</b> , 10, 564-70	7
292	Holographic polymer-dispersed liquid crystals using vinyloxytrimethylsilane. <b>2009</b> , 58, 171-176	4
291	(Meth)Acrylate Vinyl Ester Hybrid Polymerizations. <b>2009</b> , 47, 2509-2517	20
290	Holographic polymer dispersed liquid crystals using vinyltrimethoxysilane. <b>2009</b> , 282, 1541-1545	1
289	PDLC-based VOA with a small polarization dependent loss. <b>2009</b> , 282, 4374-4377	7
288	Effects of silicone monomer on the grating formation of holographic PDLC. <b>2009</b> , 45, 2184-2191	7
287	Holographic grating formation in PVB doped polymer dispersed liquid crystal based on PUA. <b>2009</b> , 518, 1424-1429	3
286	Frequency-dependent deformation of liquid crystal droplets in an external electric field. <b>2009</b> , 30, 387-94	5
285	Nanocomposite polymeric materials for high density optical storage. <b>2009</b> , 11, 024011	12
284	High Dielectric Titanium Dioxide Doped Holographic PDLC. <b>2009</b> , 7, 93-104	7
283	Highly Efficient Holographic PDLC Based on Acrylate Monomers with Low Functionality. <b>2009</b> , 502, 37-46	1
282	Order and dynamics inside H-PDLC nanodroplets: an ESR spin probe study. <b>2009</b> , 113, 5391-402	21
281	Optically switchable gratings based on azo-dye-doped, polymer-dispersed liquid crystals. <b>2009</b> , 34, 2351-3	66
280	Polarization insensitive imaging through polarization gratings. <i>Optics Express</i> , <b>2009</b> , 17, 1817-30	3-3 55
279	Photopolymerization-Induced Crystallization in Relation to Solid-Liquid Phase Diagram of Poly(ethylene oxide)/Diacrylate Monomer Blends. <i>Macromolecules</i> , <b>2009</b> , 42, 1180-1188	5-5 6
278	H-PDLC/Clay Nanocomposites. <b>2009</b> , 512, 167/[2013]-178/[2024]	5
277	Polymer-encapsulated liquid crystals comprising montmorillonite clay. <b>2009</b> , 11, 024018	2

276	Topological transformations in bipolar shells of nematic liquid crystals. <i>Physical Review E</i> , <b>2009</b> , 79, 021704	47
275	Liquid crystal nanodroplets in solution. <b>2009</b> , 130, 044901	52
274	Two-dimensional photonic lattices in polymer-dispersed liquid crystal composites. <b>2009</b> , 11, 024020	6
273	Nanoporous polymeric photonic crystals by emulsion holography. <b>2009</b> , 19, 3998	14
272	Modelling the Dynamical Behaviour of Holographic Gratings with Nematic Film-Polymer Slice Sequence Structure. <b>2009</b> , 508, 14/[376]-23/[385]	2
271	Electrooptical Applications. <b>2010</b> ,	
270	Electrooptical Applications. <b>2010</b> ,	
269	Holographically Fabricated Dye-Doped Nanoporous Polymers as Matrix for Laser Desorption/Ionization Mass Spectrometry. <b>2010</b> , 1,	
268	Reduction of Volume Shrinkage in Holographic Polymer Dispersed Liquid Crystal Based on Epoxy Containing Polymer Matrices. <b>2010</b> , 83, 726-731	
267	Function of Silicon-Oxygen Bonds in Fabrication of Holographic Gratings. <b>2010</b> , 243-267	
266	Dynamic color in stimuli-responsive cholesteric liquid crystals. <b>2010</b> , 20, 9832	232
265	Optically switchable, polarization-independent holographic polymer dispersed liquid crystal (H-PDLC) gratings. <b>2010</b> , 100, 539-546	12
264	Electromechanical and light tunable cholesteric liquid crystals. <b>2010</b> , 283, 3434-3436	24
263	A review of the electro-optical properties and their modification by radiation in polymer-dispersed liquid crystals and thin films containing CdSe/ZnS quantum dots. <b>2010</b> , 168, 5-15	17
262	Composite holographic gratings containing light-responsive liquid crystals for visible bichromatic switching. <i>Advanced Materials</i> , <b>2010</b> , 22, 2316-9	24 48
261	Effects of gamma radiation on the dielectric and electro-optical properties of a polymer-dispersed liquid crystal. <b>2010</b> , 405, 499-506	11
260	Influence of non-reactive solvent on optical performance, photopolymerization kinetics and morphology of nanoporous polymer gratings. <b>2010</b> , 46, 937-943	7
259	Electrooptical properties and microstructure of polymer-dispersed liquid crystal doped with various reinforcing materials. <b>2010</b> , 519, 1558-1562	11

- 258 Thioxanthone-barbazole as a visible light photoinitiator for free radical polymerization. **2010**, 48, 5120-5125 81
- 257 Enhancement of electro-optical properties in holographic polymer-dispersed liquid crystal films by incorporation of multiwalled carbon nanotubes into a polyurethane acrylate matrix. **2010**, 59, 1289-1295 9
- 256 Electrically and thermally modulated optical properties of polymer dispersed chiral liquid crystal. **2010**, 31, 1535-1540 3
- 255 Effect of structural modifications on the switching voltage of a holographic polymer-dispersed liquid crystal lattice. **2010**, 12, 015106 2
- 254 Electrically tunable lasing from a dye-doped two-dimensional hexagonal photonic crystal made of holographic polymer-dispersed liquid crystals. **2010**, 97, 081101 12
- 253 Full Optical Control of Holographic Gratings Realized in Composite Materials Containing Photosensitive Liquid Crystals. **2010**, 526, 101-107 1
- 252 Temperature effect on the lasing from a dye-doped two-dimensional hexagonal photonic crystal made of holographic polymer-dispersed liquid crystals. **2010**, 108, 013106 11
- 251 High tunability mixed order photonic crystal. **2010**, 96, 163507 7
- 250 Photoinitiated Polymerization: Advances, Challenges, and Opportunities. *Macromolecules*, **2010**, 43, 6245-6260 944
- 249 Formation of holographic memory for defect tolerance in optically reconfigurable gate arrays. **2010**, 49, 4255-61 12
- 248 Analysis of effects of oxidized multiwalled carbon nanotubes on electro-optic polymer/liquid crystal thin film gratings. *Optics Express*, **2010**, 18, 24842-52 3-3 16
- 247 Liquid crystal droplet array for non-contact electro-optic inspections. *Journal Physics D: Applied Physics*, **2010**, 43, 365103 3 3
- 246 Computer Simulations and Experimental Dynamical Characterization of a Composite Liquid Crystal-Polymer System. **2010**, 527, 119/[275]-129/[285] 1
- 245 Permeable nanoconfinement of hierarchical block copolymer volume gratings. **2011**, 7, 4729 8
- 244 Adhesive polymer-dispersed liquid crystal films. **2011**, 21, 9149 22
- 243 Structural investigations of multiple gratings recorded in polymer-dispersed liquid crystals film by holography. *Liquid Crystals*, **2011**, 38, 17-23 2-3 6
- 242 Effects of Monomer Structure on Morphology and Electro-Optical Properties of Polymer/Liquid Crystal Systems. **2011**, 543, 107/[873]-116/[882] 5
- 241 Biodegradable Holographic Polymer-Dispersed Liquid Crystal. **2011**, 50, 795-805

240	Design and Synthesis of Nanohybrid Systems Based on Silicon-Oxygen Bond. <b>2011</b> , 97-138		
239	How the formation regime and the composition of a polymer-liquid-crystal composite affect the diffraction efficiency of holographic polarization gratings. <b>2011</b> , 78, 460		4
238	Effects of anisotropic diffractions on holographic polymer-dispersed liquid-crystal gratings. <b>2011</b> , 50, 594-603		7
237	Holographic polymer-dispersed liquid crystal memory for optically reconfigurable gate array using subwavelength grating mask. <b>2011</b> , 50, 6369-76		5
236	High contrast modulation of plasmonic signals using nanoscale dual-frequency liquid crystals. <i>Optics Express</i> , <b>2011</b> , 19, 15265-74	3-3	20
235	All-Optical Modulation of Localized Surface Plasmon Coupling in a Hybrid System Composed of Photo-Switchable Gratings and Au Nanodisk Arrays. <b>2011</b> , 115, 7717-7722		48
234	P-38: See-through Optical Configuration with Transmitted H-PDLC. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 1238-1240		0.5
233	Transparent thin film polarizing and optical control systems. <b>2011</b> , 1, 022153		22
232	Characterization of optically switchable holographic polymer-dispersed liquid crystal transmission gratings. <i>Optical Materials</i> , <b>2011</b> , 34, 251-255	3-3	26
231	Holographic nanocomposites for recording polymer-nanoparticle periodic structures: I. General approach to choice of components of nanocomposites and their holographic properties. <b>2011</b> , 110, 129-136		13
230	Liquid crystals in dynamic holography (review). <b>2011</b> , 111, 113-133		8
229	Drops and shells of liquid crystal. <b>2011</b> , 289, 345-359		160
228	UV irradiation gradient induced banded texture in photo-polymerized ethyl-cyanoethyl cellulose/poly(acrylic acid) cholesteric liquid crystalline films and patterns fabrication thereof. <b>2011</b> , 289, 371-379		1
227	Electrically switchable two-dimensional photonic crystals made of polymer-dispersed liquid crystals based on the Talbot self-imaging effect. <b>2011</b> , 104, 659-663		10
226	Effects of multiwalled carbon nanotube on holographic polymer dispersed liquid crystal. <b>2011</b> , 22, 1993-2000		5
225	Surface acoustic wave driven light shutters using polymer-dispersed liquid crystals. <i>Advanced Materials</i> , <b>2011</b> , 23, 1656-9	24	78
224	High-speed optical humidity sensors based on chiral sculptured thin films. <b>2011</b> , 156, 593-598		33
223	Liquid Crystal/Polymer Composites: Kinetic Study of the Grating Formation in Holographic Polymer-Dispersed Liquid Crystals. <b>2011</b> , 547, 97/[1787]-107/[1797]		2

222	Heterogeneous integration of Polymer Porous Photonic Bandgap Structure with Xerogel based Biochemical Sensors. <b>2011</b> , 1301, 213		2
221	One-step holographic lithography fabrication of a rainbow-colored photonic bandgap structure. <b>2011</b> ,		
220	Holographic Gratings for Slow-Neutron Optics. <i>Materials</i> , <b>2012</b> , 5, 2788-2815	3.5	15
219	Optical reconfiguration by anisotropic diffraction in holographic polymer-dispersed liquid crystal memory. <i>Applied Optics</i> , <b>2012</b> , 51, 5168-77	1.7	10
218	Gradient polymer network liquid crystal with a large refractive index change. <i>Optics Express</i> , <b>2012</b> , 20, 26464-72	3.3	23
217	Azo-dye-doped absorbing photonic crystals with purely imaginary refractive index contrast and all-optically switchable diffraction properties. <b>2012</b> , 2, 55		8
216	Advanced bistable cholesteric light shutter with dual frequency nematic liquid crystal. <b>2012</b> , 2, 1121		59
215	Enhanced non-volatile and updatable holography using a polymer composite system. <i>Optics Express</i> , <b>2012</b> , 20, 6052-7	3.3	5
214	Spatial angle dependent lasing from a dye-doped two-dimensional hexagonal photonic crystal made of holographic polymer-dispersed liquid crystals. <i>Optics Express</i> , <b>2012</b> , 20, 9058-63	3.3	6
213	Holographic polymer dispersed liquid crystal enhanced by introducing urethane trimethacrylate. <i>Applied Optics</i> , <b>2012</b> , 51, 697-703	1.7	9
212	Nanoscale optical reinforcement for enhanced reversible holography. <i>Optics Express</i> , <b>2012</b> , 20, 3091-7	3.3	13
211	Liquid crystal micro-lenticular array assembled by a fringing field. <b>2012</b> , 111, 063104		9
210	All-optical diffractive/transmissive switch based on coupled cycloidal diffractive waveplates. <i>Optics Express</i> , <b>2012</b> , 20, 5460-9	3.3	11
209	Holographic polymer-dispersed liquid crystal grating with low scattering losses. <i>Liquid Crystals</i> , <b>2012</b> , 39, 387-391	2.3	11
208	Strongly linearly polarized low threshold lasing of all organic photonic quasicrystals. <b>2012</b> , 2, 627		26
207	Dynamic roughness and power dissipation of polymer films actuated with liquid crystal polymer inclusions. <b>2012</b> , 21, 015003		
206	Electrically Controlled 1D and 2D Cholesteric Liquid Crystal Gratings. <b>2012</b> , 553, 97-102		11
205	A Fluorinated Photoinitiator for Surface Oxygen Inhibition Resistance. <i>Macromolecules</i> , <b>2012</b> , 45, 1158-1164	1.6	40



204	Nonlinear optical properties of polymer dispersed liquid crystals doped with La2CaB10019. <i>Optical Materials</i> , <b>2012</b> , 34, 1704-1707	3-3	7
203	Tuning ion conducting pathways using holographic polymerization. <b>2012</b> , 12, 310-4		43
202	Photolysis and thermal active polymerization of bis (benzylidene) based benzoxazine monomers. <b>2012</b> , 1027, 162-166		14
201	Reflective micro-concentrator arrays from holographic photopolymerization: design, fabrication and characterization. <b>2012</b> , 22, 25161		4
200	Shape, chirality and internal order of freely suspended nematic nanodroplets. <b>2012</b> , 8, 11790		24
199	Computer simulations of nematic drops: coupling between drop shape and nematic order. <b>2012</b> , 137, 034505		15
198	Organic dual-wavelength distributed feedback laser empowered by dye-doped holography. <b>2012</b> , 22, 23331		26
197	EPR Study of Order and Dynamics of the 5CB Liquid Crystal in an H-PDLC Device. <b>2012</b> , 558, 127-139		5
196	Diffraction and interferometric methods to characterize photopolymers with liquid crystal molecules as holographic recording material. <b>2012</b> , 7,		5
195	Light-induced spectral shifting generated from azo-dye doped holographic 2D gratings. <b>2012</b> , 22, 14191		19
194	Bio-inspired variable structural color materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 3297-317	58.5	600
193	Thioxanthone-containing renewable vegetable oil as photoinitiators. <b>2012</b> , 53, 2183-2189		24
192	Preparation of hydrophobically-modified acrylamide copolymers using poly(ethylene imine) as a photoinitiator and its performance evaluation in Bohai oilfield. <b>2012</b> , 54, 79-87		1
191	One-step fabrication of graded rainbow-colored holographic photopolymer reflection gratings. <i>Advanced Materials</i> , <b>2012</b> , 24, 1604-9	24	32
190	Dynamic Photonic Materials Based on Liquid Crystals. <b>2013</b> , 1-64		17
189	Long wavelength photosensitizers in photoinitiated cationic polymerization: The effect of quinoxaline derivatives on photopolymerization. <b>2013</b> , 54, 3182-3187		43
188	Soft periodic microstructures containing liquid crystals. <b>2013</b> , 117, 1176-85		8
187	Holographically patterned soft matter: light directed mesoscale phase separation. <b>2013</b> , 2, 63-70		5

186	Holographically formed, acoustically switchable gratings based on polymer-dispersed liquid crystals. <b>2013</b> , 18, 291-5		6
185	Holographic polymer-dispersed liquid crystal Bragg grating integrated inside a solid core photonic crystal fiber. <b>2013</b> , 38, 3253-6		21
184	Temperature dependence of anisotropic diffraction in holographic polymer-dispersed liquid crystal memory. <i>Applied Optics</i> , <b>2013</b> , 52, 6529-36	1.7	5
183	Electro-optical characteristics of holographic polymer dispersed liquid crystal gratings doped with nanosilver. <i>Applied Optics</i> , <b>2013</b> , 52, 7411-8	1.7	20
182	Iron (III)/multiacrylate-based holographic mixtures. <b>2013</b> , 114, 193101		2
181	Overmodulation Control in the Optimization of a H-PDLC Device with Ethyl Eosin as Dye. <b>2013</b> , 2013, 1-8		10
180	Influence of Thickness on the Holographic Parameters of H-PDLC Materials. <b>2014</b> , 2014, 1-7		1
179	The Study of a Novel Optical Communication Device. <b>2014</b> , 556-562, 4911-4915		
178	Polymer electrolyte membranes with exceptional conductivity anisotropy via holographic polymerization. <b>2014</b> , 271, 597-603		16
177	Optical Properties of Electrically Tunable Two-Dimensional Photonic Lattice Structures Formed in a Holographic Polymer-Dispersed Liquid Crystal Film: Analysis and Experiment. <i>Materials</i> , <b>2014</b> , 7, 3677-3698		8
176	Temperature effect on lasing from Penrose photonic quasicrystal. <b>2014</b> , 4, 1172		6
175	Self-aligning liquid crystals in polymer composite systems. <b>2014</b> , 52, 158-162		10
174	Light-directed mesoscale phase separation via holographic polymerization. <b>2014</b> , 52, 232-250		28
173	Recent advances in polymer network liquid crystal spatial light modulators. <b>2014</b> , 52, 183-192		69
172	Characterisation of POLICRYPS structures assembled through a two-step process. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1315-1322	2.3	5
171	Liquid Crystal/Polymer Composites. <b>2014</b> , 363-412		1
170	Recent advances on polymer-stabilized blue phase liquid crystal materials and devices. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	32
169	Chiral-induced self-assembly sphere phase liquid crystal with fast switching time. <b>2014</b> , 104, 091116		13

168	Anisotropic waveguide theory for electrically tunable distributed feedback laser from dye-doped holographic polymer dispersed liquid crystal. <i>Liquid Crystals</i> , <b>2014</b> , 41, 239-246	2.3	16
167	Polymer-encapsulated blue phase liquid crystal droplets. <b>2014</b> , 7, 091701		16
166	Visible light initiating systems for photopolymerization: status, development and challenges. <b>2014</b> , 5, 4195-4210		144
165	Highly diffractive, reversibly fast responsive gratings formulated through holography. <b>2014</b> , 4, 4420-4426		16
164	A dual-wavelength surface-emitting distributed feedback laser from a holographic grating with an organic semiconducting gain and a doped dye. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6177	7.1	18
163	Active and Passive LC Based Polarization Elements. <b>2014</b> , 594, 140-149		3
162	Holographic photopolymer linear variable filter with enhanced blue reflection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3081-7	9.5	10
161	Distributed feedback lasing from electrically tunable dye-doped polymer liquid crystal transmission gratings. <b>2014</b> , 11, 115812		6
160	Monochromatic visible light "photoinitiator": Janus-faced initiation and inhibition for storage of colored 3D images. <b>2014</b> , 136, 8855-8		99
159	A four-channel frequency division multiplexed fluorescent microscope modulated by holographic polymer dispersed liquid crystal grating array. <i>Liquid Crystals</i> , <b>2014</b> , 41, 585-590	2.3	
158	Tuneable broadband optical filter based on soft-composite materials. <b>2014</b> , 16, 065703		12
157	The Frequency Modulation Electro-Optical Response of Holographic Polymer Dispersed Liquid Crystal Display Doped With Nano Ag. <b>2014</b> , 10, 215-222		7
156	Influence of a bleaching post-exposure treatment in the performance of H-PDLC devices with high electric conductivity. <b>2014</b> ,		
155	Tri-color composite volume H-PDLC grating and its application to 3D color autostereoscopic display. <i>Optics Express</i> , <b>2015</b> , 23, 31436-45	3.3	19
154	Optical Holography. <b>2015</b> , 169-214		
153	Studies of Free Radical Polymerization Initiated by Visible Light Photoredox Catalysis. <b>2015</b> , 216, 1055-1060		13
152	Effects of monomer functionality on performances of scaffolding morphologic transmission gratings recorded in polymer dispersed liquid crystals. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 375303	3	4
151	Effects of anisotropic diffraction on micro-periodic structure composed of polymer and liquid crystal phases. <b>2015</b> , 40, 421-424		

150	POLICRYPS-based electrically switchable Bragg reflector. <i>Optics Express</i> , <b>2015</b> , 23, 32696-702	3-3	13
149	FDTD Modelling of Silver Nanoparticles Embedded in Phase Separation Interface of H-PDLC. <b>2015</b> , 2015, 1-7		6
148	Anisotropic ion transport in nanostructured solid polymer electrolytes. <b>2015</b> , 5, 48793-48810		45
147	Design of Dynamic Gain Equalizer With H-PDLC Reflection Gratings Doped With Ag Nanoparticles. <b>2015</b> , 27, 1048-1051		6
146	Classical photopolymerization kinetics, exceptional gelation, and improved diffraction efficiency and driving voltage in scaffolding morphological H-PDLCs afforded using a photoinitiator. <b>2015</b> , 6, 8259-8269	25	
145	Formation of holographic polymer-dispersed liquid crystal memory by angle-multiplexing recording for optically reconfigurable gate arrays. <b>2015</b> , 54, 10623-9		7
144	A fluorinated compound used as migrated photoinitiator in the presence of air. <b>2015</b> , 71, 93-101		9
143	Enhancement of pump efficiency for an organic distributed feedback laser based on a holographic polymer dispersed liquid crystal as an external light feedback layer. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5566-5572	7.1	20
142	Improvement on the Performance of Holographic Polymer-Dispersed Liquid Crystal Gratings with Surface Plasmon Resonance of Ag and Au Nanoparticles. <b>2015</b> , 10, 383-389		9
141	Multi-imaging characteristics of electrically controlled on-axis holographic polymer-dispersed liquid-crystal Fresnel lens. <b>2015</b> , 54, 037110		3
140	Electrically tunable microlens arrays based on polarization-independent optical phase of nano liquid crystal droplets dispersed in polymer matrix. <i>Optics Express</i> , <b>2015</b> , 23, 17337-44	3-3	20
139	Optically isotropic, electrically tunable liquid crystal droplet arrays formed by photopolymerization-induced phase separation. <b>2015</b> , 40, 2723-6		14
138	Two diffusion photopolymer for sharp diffractive optical elements recording. <b>2015</b> , 40, 3221-4		13
137	Optically switchable diffraction grating in a photochromic/polymer thin film. <b>2015</b> , 54, 6882-6		3
136	Electrical control of the distributed feedback organic semiconductor laser based on holographic polymer dispersed liquid crystal grating. <b>2015</b> , 27, 101-106		12
135	Spatial Frequency Responses of Anisotropic Refractive Index Gratings Formed in Holographic Polymer Dispersed Liquid Crystals. <i>Materials</i> , <b>2016</b> , 9,	3-5	6
134	Tunable surface-emitting dual-wavelength laser from a blended gain layer with an external holographic grating feedback structure. <b>2016</b> , 6, 3320		4
133	Liquid crystal composites doped with inorganic nanoparticles for recording of polarization holographic gratings. <b>2016</b> , 52, 616-620		1

132	Holographic polymer networks formed in liquid crystal phase modulators via a He-Ne laser to achieve ultra-fast optical response. <i>Optics Express</i> , <b>2016</b> , 24, 7534-42	3.3	10
131	Role of Hydrogen Abstraction Reaction in Photocatalytic Decomposition of High Energy Density Materials. <b>2016</b> , 120, 24835-24846		1
130	Optical Modulation of the Diffraction Efficiency in an Indoline Azobenzene/Amorphous Polycarbonate Film. <b>2016</b> , 11, 331		1
129	Broadband optical switch based on liquid crystal dynamic scattering. <i>Optics Express</i> , <b>2016</b> , 24, 13812-23	3.3	31
128	Varied-line-spacing switchable holographic grating using polymer-dispersed liquid crystal. <b>2016</b> , 55, 4952-7		8
127	Nematic phase transition and texture dynamics. <i>Liquid Crystals</i> , <b>2016</b> , 43, 2300-2319	2.3	3
126	Optical Performance of Organic Distributed Feedback Lasers Based on Holographic Polymer Dispersed Liquid Crystals. <b>2016</b> , 379-405		1
125	Influence of the spatial frequency on the diffractive optical elements fabrication in PDLCs. <b>2016</b> ,		
124	Holographic display and storage based on photo-responsive liquid crystals. <b>2016</b> , 4, 83-100		22
123	Lasing from organic quasicrystal fabricated by seven- and nine-beam interference. <i>Optics Express</i> , <b>2016</b> , 24, 12330-5	3.3	9
122	Small-Molecule Self-Assembly in Polymer Matrices. <b>2016</b> , 329-358		
121	Organic holographic polymer dispersed liquid crystal distributed feedback laser from different diffraction orders. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 465102	3	12
120	Condensation and dissolution of nematic droplets in dispersions of colloidal rods with thermo-sensitive depletants. <b>2015</b> , 5, 18432		16
119	Multi-wavelength sensitive holographic polymer dispersed liquid crystal grating applied within image splitter for autostereoscopic display. <b>2016</b> ,		4
118	Cholesteric liquid crystals in rectangular microchannels: skyrmions and stripes. <b>2016</b> , 12, 6312-20		37
117	Conventional elastomers doped with benzophenone derivatives as effective media for all-optical fabrication of tunable diffraction elements. <b>2016</b> , 6, 51791-51800		3
116	High-efficiency and fast-switching field-induced tunable phase grating using polymer-stabilized in-plane switching liquid crystals with vertical alignment. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 125504	3	9
115	Thermal and dielectric properties of $\beta$ -hydroxy ketone photocured hybrid composite materials from allyl-terminated benzoxazine and SH-POSS. <b>2016</b> , 28, 340-351		11

114	Improvement of permanent memory effect in PDLC films using TX-100 as an additive. <i>Liquid Crystals</i> , <b>2016</b> , 43, 124-130	2-3	7
113	Photopolymerizable nanocomposite photonic materials and their holographic applications in light and neutron optics. <b>2016</b> , 63, S1-S31		46
112	Computer simulation study of the nematic vapour interface in the Gay-Berne model. <b>2017</b> , 115, 1214-1224		8
111	Small dosage of holographic exposure via a He-Ne laser to fabricate tunable liquid crystal phase gratings operated with low electric voltages. <i>Liquid Crystals</i> , <b>2017</b> , 44, 854-862	2-3	5
110	Photoinduced controlled radical polymerization of methacrylates with benzaldehyde derivatives as organic catalysts. <b>2017</b> , 8, 3574-3585		28
109	Formation and field-driven dynamics of nematic spheroids. <b>2017</b> , 13, 4890-4902		6
108	Properties of diffraction gratings holographically recorded in poly(ethylene glycol)dimethacrylate-ionic liquid composites. <b>2017</b> ,		1
107	Impact of dye on the switching responses of polymer dispersed ferroelectric liquid crystal. <b>2017</b> , 647, 385-394		6
106	Photoinitiation and Inhibition under Monochromatic Green Light for Storage of Colored 3D Images in Holographic Polymer-Dispersed Liquid Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1810-1819	9-5	47
105	Frozen "Tofu" Effect: Engineered Pores of Hydrophilic Nanoporous Materials. <b>2017</b> , 2, 4838-4844		6
104	Liquid crystalline cellulose-based nematogels. <b>2017</b> , 3, e1700981		23
103	Nanodrops of Discotic Liquid Crystals: A Monte Carlo Study. <b>2017</b> , 33, 11779-11787		6
102	Multiple Bragg Diffractions with Different Wavelengths and Polarizations Composed of Liquid Crystal/Polymer Periodic Phases. <b>2017</b> , 2, 6081-6090		6
101	Ultra-broad range organic solid-state laser from a dye-doped holographic grating quasi-waveguide configuration. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 315103	3	3
100	Self-orientation effect of liquid crystals on holographic polymer-dispersed liquid crystal and distributed feedback lasers. <b>2017</b> , 123, 1		2
99	Low-voltage-driven and highly-diffractive holographic polymer dispersed liquid crystals with spherical morphology. <b>2017</b> , 7, 51847-51857		6
98	Filamentous phages as building blocks for reconfigurable and hierarchical self-assembly. <b>2017</b> , 29, 493003		7
97	Well-structured holographic polymer dispersed liquid crystals by employing acrylamide and doping ZnS nanoparticles. <b>2017</b> , 1, 294-303		19

96	Roadmap on structured light. <b>2017</b> , 19, 013001		518
95	Electro-optical performance of polymer-stabilized sphere phase liquid crystal displays. <i>Optics Express</i> , <b>2017</b> , 25, 18009-18016	3.3	5
94	Light-addressable liquid crystal polymer dispersed liquid crystal. <b>2017</b> , 7, 1581		4
93	Tolerance of holographic polymer-dispersed liquid crystal memory for gamma-ray irradiation. <b>2017</b> , 56, 4854-4860		6
92	N-isopropylacrylamide-based photopolymer for holographic recording of thermosensitive transmission and reflection gratings. <i>Applied Optics</i> , <b>2017</b> , 56, 6348-6356	1.7	13
91	A Comprehensive Study of Photorefractive Properties in Poly(ethylene glycol) Dimethacrylate-Ionic Liquid Composites. <i>Materials</i> , <b>2016</b> , 10,	3.5	6
90	Organic Solid-State Tri-Wavelength Lasing from Holographic Polymer-Dispersed Liquid Crystal and a Distributed Feedback Laser with a Doped Laser Dye and a Semiconducting Polymer Film. <i>Materials</i> , <b>2017</b> , 10,	3.5	1
89	Doping Liquid Crystal Cells with Photocurable Monomer via Holographic Exposure to Realize Optical-Scattering-Free Infrared Phase Modulators with Fast Response Time. <i>Crystals</i> , <b>2017</b> , 7, 208	2.3	5
88	Recent Advances in Germanium-Based Photoinitiator Chemistry. <b>2018</b> , 24, 8258-8267		23
87	On the Defect Structure of Biaxial Nematic Droplets. <b>2018</b> , 8, 2130		8
86	Small molecule self-assembly in polymer matrices. <b>2018</b> , 56, 451-478		5
85	Can elastic constants and surface alignment be obtained from polarized microscopy images of nematic droplets? A Monte Carlo study. <b>2018</b> , 267, 158-165		5
84	High Dynamic Range (H) Two-Stage Photopolymers via Enhanced Solubility of a High Refractive Index Acrylate Writing Monomer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1217-1224	9.5	22
83	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. <i>Optical Materials</i> , <b>2018</b> , 76, 295-301	3.3	8
82	The Current Status of the Development of Light-Sensitive Media for Holography (a Review). <b>2018</b> , 124, 373-407		25
81	Bipolar to toroidal configuration transition in liquid crystal droplets. <i>Liquid Crystals</i> , <b>2018</b> , 45, 102-111	2.3	16
80	High conversion efficiency distributed feedback laser from a dye-doped holographic transmission grating. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 045103	3	2
79	Nanostructured, Highly Anisotropic, and Mechanically Robust Polymer Electrolyte Membranes via Holographic Polymerization. <b>2018</b> , 5, 1700861		10

78	Pump angle and position effects on laser emission from quasicrystal microcavity by nine-beam interference based on holographic polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , <b>2018</b> , 45, 415-420	2.3	3
77	Smart Windows Based on Liquid Crystal Dispersions. <b>2018</b> , 337-365		0
76	Low-Threshold-Voltage and Electrically Switchable Polarization-Selective Scattering Mode Liquid Crystal Light Shutters. <i>Polymers</i> , <b>2018</b> , 10,	4.5	5
75	33.1: Invited Paper: Electro-Optical Performance of a Novel Liquid Crystal Material. <i>Digest of Technical Papers SID International Symposium</i> , <b>2018</b> , 49, 355-357	0.5	
74	The POLICRYPS liquid-crystalline structure for optical applications. <b>2018</b> , 7, 273-289		1
73	Numerical Analysis of H-PDLC Using the Split-Field Finite-Difference Time-Domain Method. <i>Polymers</i> , <b>2018</b> , 10,	4.5	3
72	From a Chiral Molecule to Blue Phases. <b>2018</b> ,		
71	Large angle beam steering using a slanted holographic polymer dispersed liquid crystal grating. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 385103	3	1
70	Photo-Polymerization in Chiral Dopant Liquid Crystal Cells via Holographic Exposure to Fabricate Polarization-Independent Phase Modulator with Fast Optical Response. <i>Polymers</i> , <b>2018</b> , 10,	4.5	2
69	High pump efficiency of a second-order distributed feedback laser based on holographic polymer dispersed liquid crystals with preferred liquid crystal molecular orientation. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9517-9522	7.1	4
68	Electro-Optical Effects of a Color Polymer-Dispersed Liquid Crystal Device by Micro-Encapsulation with a Pigment-Doped Shell. <i>Crystals</i> , <b>2019</b> , 9, 364	2.3	5
67	Electrochemical Synthesis of Poly(3,4-ethylenedioxythiophene) Film Having Dot Structures for Diffraction Grating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30163-30175	9.5	3
66	Agarose dispersed liquid crystals as a soft sensing platform for detecting mercuric ions in water. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 5409-5423	2.8	3
65	Development of New High-Performance Biphenyl and Terphenyl Derivatives as Versatile Photoredox Photoinitiating Systems and Their Applications in 3D Printing Photopolymerization Processes. <i>Catalysts</i> , <b>2019</b> , 9, 827	4	13
64	Effect of ketyl radical on the structure and performance of holographic polymer/liquid-crystal composites. <i>Science China Materials</i> , <b>2019</b> , 62, 1921-1933	7.1	10
63	Influence of boundary conditions on the order and defects of biaxial nematic droplets. <i>Physical Review E</i> , <b>2019</b> , 100, 032702	2.4	1
62	Polymer dispersed nematic liquid crystal films with conical boundary conditions for electrically controllable polarizers. <i>Optical Materials</i> , <b>2019</b> , 89, 1-4	3.3	11
61	Photoresponsive Structural Color in Liquid Crystalline Materials. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900429	8.1	18



60	Holographic polymer nanocomposites with ordered structures and improved electro-optical performance by doping POSS. <i>Composites Part B: Engineering</i> , <b>2019</b> , 174, 107045	10	11
59	Responsive Liquid-Crystal-Clad Fibers for Advanced Textiles and Wearable Sensors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902168	24	18
58	59-4: Fast-response polarization volume gratings for AR/VR displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 838-841	0.5	0
57	Self-Assembly of Liquid-Crystal Droplets in Cells With Patterned Indium Tin Oxide. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	
56	Light-Directed Soft Mass Migration for Micro/Nanophotonics. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900074	8.4	22
55	Holographic Characteristics of Photopolymers Containing Different Mixtures of Nematic Liquid Crystals. <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
54	Liquid Crystalline Nanocolloids for the Storage of Electro-Optic Responsive Images. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8612-8624	9.5	12
53	Multistimuli-Responsive Self-Organized Liquid Crystal Bragg Gratings. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900101	8.1	38
52	Enhanced wavelength-sensitivity of volume holographic grating with dual-photoinitiation system in polymer-dispersed liquid crystal. <i>Liquid Crystals</i> , <b>2019</b> , 46, 570-576	2.3	2
51	Stimuli responsive diffraction gratings in soft-composite materials. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 053001	3	7
50	Dynamic Control of Light Direction Enabled by Stimuli-Responsive Liquid Crystal Gratings. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806172	24	106
49	Controlling morphological and electro-optical properties via the phase separation in polymer/liquid-crystal composite materials. <i>Liquid Crystals</i> , <b>2020</b> , 47, 238-247	2.3	6
48	Stable and scalable smart window based on polymer stabilized liquid crystals. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48917	2.9	20
47	Photochemical Cleavage Reaction of 3',5'-Dimethoxybenzoic Acid: A Combined Time-Resolved Spectroscopy and Computational Chemistry Study. <i>Molecules</i> , <b>2020</b> , 25,	4.8	
46	Holographic polymer nanocomposites with both high diffraction efficiency and bright upconversion emission by incorporating liquid crystals and core-shell structured upconversion nanoparticles. <i>Composites Part B: Engineering</i> , <b>2020</b> , 199, 108290	10	4
45	Reconfigurable Reflective Colors in Holographically Patterned Liquid Crystal Gels. <i>ACS Photonics</i> , <b>2020</b> , 7, 1978-1982	6.3	6
44	Biopolymeric photonic structures: design, fabrication, and emerging applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 983-1031	58.5	65
43	Circularly polarised lasing from all-solid organic semiconductor activated external distributed feedback based on polarisation grating. <i>Liquid Crystals</i> , <b>2021</b> , 48, 1186-1193	2.3	1

42	Holographic Optical Elements for Augmented Reality: Principles, Present Status, and Future Perspectives. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000049	1.9	28
41	A Bidimensional Gay-Berne Calamitic Fluid: Structure and Phase Behavior in Bulk and Strongly Confined Systems. <i>Frontiers in Physics</i> , <b>2021</b> , 8,	3.9	2
40	Electro-optical properties and frequency response of polymer-dispersed liquid crystal gratings doped with multi-walled carbon nanotubes. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 12660-12670	4.3	2
39	Orthogonal Reconstruction of Upconversion and Holographic Images for Anticounterfeiting Based on Energy Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 19159-19167	9.5	6
38	Holography, Fourier Optics, and Beyond Photonic Crystals: Holographic Fabrications for Weyl Points, Bound States in the Continuum, and Exceptional Points. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100061	1.9	6
37	Multi-stable cholesteric liquid crystal windows with four optical states. <i>Liquid Crystals</i> , 1-8	2.3	1
36	Electrically switchable electro-optic filters for spectral line emission detection. <i>Applied Optics</i> , <b>2021</b> , 60, 1059-1067	1.7	
35	Liquid Crystalline Polymer Composites for Optoelectronics. <b>2015</b> , 315-338		1
34	Materials for Holographic 3DTV Display Applications. <b>2008</b> , 557-598		2
33	Chapter 3:Cationic Photoinitiators. <i>RSC Polymer Chemistry Series</i> , <b>2018</b> , 74-130	1.3	2
32	Magnetically tunable optical diffraction gratings based on a ferromagnetic liquid crystal. <i>Optics Express</i> , <b>2019</b> , 27, 8900-8911	3.3	8
31	Very high contrast volume holographic gratings recorded in photopolymerizable nanocomposite materials. <i>Optics Express</i> , <b>2020</b> , 28, 28366-28382	3.3	5
30	Holographic manipulation of nanoparticle-distribution morphology in photopolymers and its applications to volume holographic recording and nonlinear photonic crystals. <b>2005</b> ,		1
29	Finite-difference time-domain method calculation of light propagation through H-PDLC. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , <b>2007</b> , 10, 83-87	0.4	2
28	Controlling Morphology and Aggregation in Semiconducting Polymers: The Role of Solvents on Lasing Emission in Poly[2-methoxy-5-(2'-ethyl-hexyloxy)-1,4-phenylene-vinylene]. <i>Materials</i> , <b>2017</b> , 10,	3.5	3
27	EFFECTS OF DIFFERENT ALCOHOLS ON PHOTOPOLYMERIZATION KINETICS, ELECTRO-OPTICAL PERFORMANCES OF POLYMER DISPERSED LIQUID CRYSTALS. <i>Acta Polymerica Sinica</i> , <b>2012</b> , 012, 41-46		4
26	Effects of multi-context information recorded at different regions in holographic polymer-dispersed liquid crystal on optical reconfiguration. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 08RG04	1.4	2
25	Augmented reality and virtual reality displays: emerging technologies and future perspectives. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 216	16.7	64

24	Dynamical Processes in Confined Liquid Crystals. <b>2008</b> , 185-216		
23	Improved holographic rainbow-colored photopolymer reflection grating. <b>2012</b> ,		
22	Rainbow-colored photonic bandgap structure fabricated by holographic lithography. <b>2012</b> ,		
21	Various Tunable Photonic Crystal/ Quasi- Photonic Crystal Structures Fabricated by Reconfigurable Interference System. <b>2012</b> ,		
20	PHOTOPOLYMERIZATION KINETICS AND PHOTO-RHEOLOGICAL BEHAVIORS OF VINYL-MONOMERS. <i>Acta Polymerica Sinica</i> , <b>2012</b> , 012, 1218-1224		
19	Well Arranged PDLC Droplets in Grating Structures Inducing the Reduction of Driving Voltage. <b>2019</b> ,		
18	Highly Saturated Glassy Liquid Crystal Films Having Nano- and Microscale Thicknesses for High-Power Laser Applications. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 13-17	5.6	
17	Photorefractive Materials and Devices for Passive Components in WDM Systems. <b>2007</b> , A111-A134		
16	Aligned Polymer Dispersed Liquid Crystal Film for Light Enhancement of Quantum Dot Backlight. <i>Optics Express</i> ,	3.3	3
15	Electro-optical response of a monolayer polymer dispersed nematic liquid crystal film doped with surfactant. <b>2022</b> , 163-211		
14	Bio-sourced monomers and cationic photopolymerization—the green combination towards eco-friendly and non-toxic materials. <i>Progress in Polymer Science</i> , <b>2022</b> , 127, 101517	29.6	4
13	The electrical and optical behavior of graphene oxide-doped nematic liquid crystal. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 5720	2.1	1
12	Light-Induced Dynamic Holography.. <i>Micromachines</i> , <b>2022</b> , 13,	3.3	1
11	Wetting Behavior of a Three-Phase System in Contact with a Surface. <i>Macromolecules</i> ,	5.5	
10	Lasing in Haloalkanes-based polymeric mixtures. <i>Optical Materials</i> , <b>2022</b> , 131, 112614	3.3	0
9	Characterisation of Holographic Recording in Environmentally Stable Photopolymerisable Glass. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5969	2.6	
8	HKUST-1-Doped High-Resolution Volume Holographic Gratings. <b>2022</b> , 10, 310		0
7	Light-Controlled Direction of Distributed Feedback Laser Emission by Photo-Mobile Polymer Films. <b>2022</b> , 12, 2890		2

- 6 Polymer-Based High Diffraction Efficiency and High Resolution Volume Holographic Transmission Gratings. **2022**, 10, 356 ○
- 5 Phenanthraquinone-Doped Polymethyl Methacrylate Photopolymer for Holographic Recording. **2022**, 27, 6283 ○
- 4 Development of polymer-dispersed liquid crystals: From mode innovation to applications. **2022**, 163, 107234 4
- 3 Liquid crystal-assisted manufacturing of flexible holographic polymer nanocomposites for high-security level anticounterfeiting. ○
- 2 Recent Progress in Functional Dye-Doped Liquid Crystal Devices. 2210664 ○
- 1 Anti-counterfeiting holographic liquid crystal gels with color and pattern control. ○