

# CITATION REPORT

List of articles citing

## Submicrosecond bistable electro-optic switching in liquid crystals

DOI: 10.1063/1.91359

Applied Physics Letters, 1980, 36, 899-901.

**Source:** <https://exaly.com/paper-pdf/14860091/citation-report.pdf>

**Version:** 2024-04-23

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
2372	Realization of real-time interactive 3D image holographic display [Invited]. <b>2016</b> , 55, A127		
2371	Optical logic gates using liquid crystal light valve: implementation and application example. <i>Applied Optics</i> , <b>1981</b> , 20, 2250-6	1.7	56
2370	Bistable nonequilibrium systems without absolutely stable state. <b>1981</b> , 45, 167-171		3
2369	Preparation of Monodomain Cells of Ferroelectric Liquid Crystals and Their Evaluation with an Optical Microscope. <b>1981</b> , 20, 1773-1777		39
2368	Stroboscopic microscopy of fast electro-optic switching in ferroelectric smectic C liquid crystals. <i>Applied Physics Letters</i> , <b>1982</b> , 41, 39-41	3.4	97
2367	Switching characteristics of a bistable cholesteric twist cell. <b>1982</b> , 53, 8599-8606		21
2366	Ferroelectricity in Tilted Smectics Doped with Optically Active Additives. <b>1982</b> , 89, 327-338		42
2365	Bibliography of ferroelectrics. <b>1982</b> , 40, 79-114		
2364	Temperature Sensitive Helical Pitches and Wall Anchoring Effects in Homogeneous Monodomains of Ferroelectric Sm C* Liquid Crystals, nOBAMBC (n=6-10). <b>1982</b> , 21, 224-229		82
2363	Chiral SmC* liquid crystals obtained by mixing of SmC and cholesteric phase. <b>1983</b> , 18, 915-921		33
2362	Synthesis, properties and applications of ferroelectric smectic liquid crystals. <b>1983</b> , 49, 275-284		8
2361	Ferroelectric displays past, present and future. <b>1983</b> , 49, 17-37		2
2360	Ferroelectric Liquid Crystal Electro-Optics Using the Surface Stabilized Structure. <b>1983</b> , 94, 213-233		208
2359	The Influence of an External Electric Field on the Structure of Chiral Sm C* Liquid Crystal. <b>1983</b> , 91, 309-325		104
2358	Integrated Optical Devices Using Amorphous As <sub>2</sub> S <sub>3</sub> Thin Film. <b>1983</b> , 6, 134-135		
2357	Helical Pitches and Tilt Angles in Room Temperature Ferroelectric Chiral Smectic C Liquid Crystals, MORAnand MBRA. <b>1983</b> , 22, 566-568		15
2356	A Practical Method of Preparing Thin Homogeneous Ferroelectric Smectic Cells for Electro-Optical Microsecond Switches: Alignment Control of Liquid Crystal Molecules by Utilizing Spacer Edges. <b>1983</b> , 22, L85-L87		44

2355	Magnetic Field Effects on Preparing Thin Homogeneous Ferroelectric Smectic Cells for Electro-Optical Microsecond Switches. <b>1983</b> , 22, L13-L15	17
2354	Anomalous Behavior of Helicoidal Pitch in Surface Induced Transition from Winding of Unwinding Chiral Smectic C. <b>1983</b> , 22, L488-L490	4
2353	Field-Induced First-Order Orientation Transitions in Ferroelectric Liquid Crystals. <b>1983</b> , 51, 471-474	171
2352	"Soliton switch" in chiral smectic liquid crystals. <b>1983</b> , 28, 512-514	47
2351	Surface-Induced Helix-Unwinding Process in Thin Homogeneous Ferroelectric Smectic Cells of DOBAMBC. <b>1983</b> , 22, L294-L296	27
2350	Electro-optic and thermo-optic effects in liquid crystals. <b>1983</b> , 309, 167-178	16
2349	Vortex Street Structure in Chiral Smectic C Liquid Crystal. <b>1983</b> , 52, 3735-3742	6
2348	A Heat Capacity Study of Phase Transitions in the Ferroelectric Liquid Crystal (R) Hexyloxybenzylidene p'-amino-2-chloropropyl cinnamate (HOBACPC). <b>1983</b> , 100, 145-151	10
2347	On the methods of determining material constants in ferroelectric smectic C* liquid crystals. <b>1984</b> , 58, 55-70	74
2346	A Practical Method of Preparing Thin Homogeneous Ferroelectric Smectic Cells for Electro-Optical Microsecond Switches (II): Sm A Liquid Crystal Growth under a Temperature Gradient. <b>1984</b> , 23, L211-L213	46
2345	New Electro-Optic Effect of Microsecond Response Utilizing Transient Light Scattering in Ferroelectric Liquid Crystal. <b>1984</b> , 23, L385-L387	70
2344	The structure of ferroelectric liquid crystals in planar geometry and its response to electric fields. <b>1984</b> , 58, 161-178	66
2343	Vortex street structure and surface-induced SM C*-SM C transition in ferroelectric liquid crystal. <b>1984</b> , 58, 149-158	6
2342	Surface-stabilized ferroelectric liquid crystal electro-optics: New multistate structures and devices. <b>1984</b> , 59, 25-67	149
2341	Ferroelectric Liquid Crystals - Structure and Design. <b>1984</b> , 110, 175-203	116
2340	Linear electrooptic effect in a ferroelectric liquid crystal. <b>1984</b> , 59, 117-120	6
2339	Liquid Crystal Displays. <b>1984</b> , 109, 3-93	64
2338	Polarization and Viscosity Measurements in a Ferroelectric Liquid Crystal by the Field Reversal Method. <b>1984</b> , 114, 283-297	71

2337	Transient light scattering by domain switching in ferroelectric liquid crystal and its application as fast opto-electronics device. <b>1984</b> , 59, 145-160	32
2336	Structures and responses of ferroelectric liquid crystals in the surface-stabilized geometry. <b>1984</b> , 59, 69-116	182
2335	Determination of the Coefficients in Landau Free Energy near the Smectic-A-Chiral Smectic-C Transition for the Liquid Crystal MBRA8. <b>1984</b> , 108, 149-155	10
2334	Ferroelectric liquid crystals: Structure and field induced processes. <b>1984</b> , 53, 71-80	11
2333	The Behaviour of Thin Samples of Ferroelectric Liquid Crystals. <b>1984</b> , 114, 249-257	29
2332	Spontaneous polarization and phase transition temperature of dobambc mixed with D(+)- and L(-)-carvone. <b>1984</b> , 58, 47-54	1
2331	The smectic state. <b>1984</b> , 33, 1-46	140
2330	Synthesis and Mesomorphysm of Some New Ferro-Electric Smectic Liquid Crystals. <b>1984</b> , 114, 237-247	22
2329	Ferroelectric Liquid Crystals. <b>1984</b> , 114, 151-187	130
2328	Bistable electro-optic switching of a ferroelectric liquid crystal (HOBACPC). <b>1984</b> , 59, 161-179	24
2327	Switching Characteristics of Ferroelectric Liquid Crystal DOBAMBC. <b>1984</b> , 23, 1274-1277	30
2326	Ferroelectric switching in the tilted smectic phases OF R(-)-4-n-Hexyloxybenzylidene 4'-AMINO-(2-Chloropropyl)cinnamate (HOBACPC). <b>1984</b> , 59, 121-136	22
2325	Solution of linear and nonlinear equations by optical methods. <i>Applied Optics</i> , <b>1984</b> , 23, 3144	1.7 4
2324	Elastic and flexoelectric properties of chiral smectic-C phase and symmetry considerations on ferroelectric liquid-crystal cells. <b>1984</b> , 58, 215-243	112
2323	The ferroelectric phases derived from the 4-n-alkoxycinnamic acids. <b>1984</b> , 58, 9-20	30
2322	Thickness and temperature dependences of dielectric property and electro-optic effect in ferroelectric liquid crystal. <b>1984</b> , 58, 283-304	21
2321	Electric field effects of dielectric and ferroelectric properties in chiral smectic liquid crystal dobambc. <b>1984</b> , 58, 187-192	14
2320	Methods for Preparing SSFLC Cells and their Electro-Optical Properties. <b>1985</b> , 122, 175-190	35

2319	The Effect of the Structural Elements on the Properties of Side Chain Mesomorphic Polymers. <b>1985</b> , 25, 252-263	4
2318	Generation and detection of propagating solitons in shearing liquid crystals. <b>1985</b> , 39, 633-652	29
2317	Application and Device Modeling of Liquid Crystal Displays. <b>1985</b> , 123, 15-55	12
2316	Miscibility and DSC studies of some ferroelectric liquid crystals. <b>1985</b> , 46, 1241-1248	9
2315	Two Kinds of Boundary Motions in Thin Ferroelectric Smectic C* Liquid Crystals. <b>1985</b> , 24, L230-L232	33
2314	Correspondence between Stroboscopic Micrographs and Spontaneous Polarization Measurements in Surface Stabilized Ferroelectric Liquid Crystal Cells. <b>1985</b> , 24, L235-L238	43
2313	New Room-Temperature Ferroelectric Liquid Crystals Material Constants and Electro-Optic Properties <b>1985</b> , 24, 1389-1393	42
2312	Room-temperature switching behavior of ferroelectric liquid crystals in thin cells. <i>Applied Physics Letters</i> , <b>1985</b> , 47, 1277-1279	3-4 14
2311	Thin Ferroelectric Liquid Crystal Cells with Surface-Induced Alignment: Optical Characterization and Electro-Optic Performance. <b>1985</b> , 131, 21-46	32
2310	Measures of the Molecular Tilt Angle and Optical Anisotropy in Ferroelectric Liquid Crystals. <b>1985</b> , 127, 397-406	30
2309	Synthesis and Some Properties of Low Melting Ferroelectric Liquid Crystals of Benzylidene Anilines. <b>1986</b> , 136, 167-173	11
2308	Molecular Orientation Structures of Surface Stabilized States and Their Switching Processes in Ferroelectric Liquid Crystals. <b>1986</b> , 139, 27-46	35
2307	Alignment of chiral smectic liquid crystals. <b>1986</b> , 19, L37-L41	20
2306	Importance of Controlling Material Constants to Realize Bistable Uniform States in Surface Stabilized Ferroelectric Liquid Crystal Cells. <b>1986</b> , 25, L27-L29	27
2305	Ferroelectric Liquid Crystal Displays. <b>1986</b> ,	
2304	Time response of a nematic liquid-crystal cell in a switched dc electric field. <b>1986</b> , 60, 3111-3113	43
2303	Low Threshold Field of Electro-Optic Effect in Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. <b>1986</b> , 25, L416-L418	29
2302	Some Novel Smectic* Liquid-Crystalline Side-Chain Polymers. <i>Liquid Crystals</i> , <b>1986</b> , 1, 307-317	2.3 62

2301	Electromechanical effect in S*c liquid crystals. <b>1986</b> , 69, 153-163	30
2300	Device Application Of Ferroelectric Liquid Crystals. <b>1986</b> , 0625, 60	2
2299	Field-Induced Orientation Transition in Ferroelectric Liquid Crystals. <b>1986</b> , 21, 167-172	4
2298	Dynamic Behaviour of Ferroelectric Liquid Crystalline Thin Layers in Electric Fields. <b>1986</b> , 21, 301-306	11
2297	A Modified Elektrode Pattern and Addressing Scheme for Electro Optical Digital Displays Utilizing Ferroelectric Liquid Crystals. <b>1986</b> , 21, K159-K164	
2296	Multiplexed liquid crystal matrix displays. <b>1986</b> , 7, 3-11	2
2295	Effect of drive frequency on light transmission in a chiral smectic cell. <b>1986</b> , 7, 166-170	
2294	Chiral Substituted acrylates side-chain polymers with a cinnamate core. <b>1986</b> , 16, 411-418	27
2293	Anomalous Switching Behavior of a Ferroelectric Liquid Crystal with Negative Dielectric Anisotropy. <b>1986</b> , 25, L839-L840	31
2292	Some Observations on the Sense and Magnitude of Spontaneous Polarization and Twisting Power of a Number of Ferroelectric Liquid Crystal Types. <b>1986</b> , 141, 237-249	49
2291	A Consideration on Expression of the Elastic Free Energy of Chiral Smectic C Liquid Crystals. <b>1986</b> , 25, L661-L663	11
2290	Optical activity and ferroelectricity in liquid crystals. <b>1986</b> , 231, 350-5	70
2289	Switching results for bistable chiral smectic cells. <b>1986</b> , 19, L241-L245	6
2288	Molecular Selective Pre-Tilt on Glass Surfaces and Color Difference between Two Twisted States in Surface Stabilized Ferroelectric Liquid Crystal Cells. <b>1986</b> , 25, L206-L208	26
2287	New Bistable Optical Switching Element Utilizing Wound and Unwound States of Ferroelectric Liquid Crystal. <b>1986</b> , 25, L976-L978	3
2286	Tilt-angle, polarization, and heat-capacity measurements near the smectic-A-chiral-smectic-C phase transition of p-(n-decyloxybenzylidene)-p-amino-(2-methylbutyl)cinnamate (DOBAMBC). <b>1986</b> , 34, 5010-5019	72
2285	Polarization and tilt-angle measurements near the smectic-A-chiral-smectic-C transition of p-(n-decyloxybenzylidene)-p-amino-(2-methyl-butyl)cinnamate (DOBAMBC). <b>1986</b> , 56, 464-467	96
2284	Identification of the Liquid Crystal Phases of some Chiral Schiff Bases. <b>1986</b> , 135, 265-282	7

2283	Frequency Dependent Polarization Reversal and the Response Time of Ferroelectric Liquid Crystal by Triangular Wave Method. <b>1986</b> , 25, L446-L448		36
2282	Reverse Hysteresis Loop of Nematic Liquid Crystals in C-V Characteristic due to Static Electric Field. <b>1987</b> , 26, L1092-L1094		24
2281	Anomalous Behaviour of the Spontaneous Polarization of Ferroelectric, SmC* Liquid Crystals. <b>1987</b> , 151, 109-117		2
2280	Liquid-Crystalline Derivatives of S-3,7-dimethyloctan-1-ol. <b>1987</b> , 146, 325-339		29
2279	Switching Process in Ferroelectric Liquid Crystals; Disclination Dynamics of the Surface Stabilized States. <b>1987</b> , 26, 1-14		125
2278	New Ferroelectric Liquid Crystals with Spontaneous Polarization Exceeding $10^7$ C/cm <sup>2</sup> and Their Electrical and Optical Properties. <b>1987</b> , 144, 87-103		42
2277	On the Effect of Neutron Radiation on Mesogenic Cholesteryl Esters. <b>1987</b> , 146, 321-324		3
2276	Bowlic Liquid Crystals. <b>1987</b> , 146, 41-54		67
2275	Optical and dielectric investigations on the electroclinic effect exhibited by a ferroelectric liquid crystal with high spontaneous polarization. <i>Liquid Crystals</i> , <b>1987</b> , 2, 825-831	2.3	110
2274	Theoretical Prediction of Sign Reversal of the Spontaneous Polarization in the Ferroelectric, Chiral Smectic C* Phase. <b>1987</b> , 151, 155-163		2
2273	Electrooptics of a Thin Ferroelectric Smectic C* Liquid Crystal Layer. <b>1987</b> , 143, 101-112		25
2272	A Dynamic Picture of a Ferroelectric Liquid Crystal Screen in Multiplex Drive. <b>1987</b> , 146, 143-150		12
2271	Low Frequency Dielectric Response of Chiral Smectic C. <b>1987</b> , 151, 179-191		1
2270	Macroscopic properties and electro-optical response of the mixture of ferroelectric liquid crystal DOBAMBC and SmC. <b>1987</b> , 20, 476-480		4
2269	Electromechanical Effects in Chiral Smectic Liquid Crystals. <b>1987</b> , 5, 53-60		5
2268	The effect of lateral substitution on smectic C formation. <i>Liquid Crystals</i> , <b>1987</b> , 2, 423-428	2.3	40
2267	Effect of the Molecular Structure of the Chiral Part on Spontaneous Polarization and Dielectric Properties of Ferroelectric Liquid Crystals. <b>1987</b> , 26, L1558-L1560		24
2266	Simulations of Switching Behavior in a Ferroelectric Liquid Crystal. <b>1987</b> , 26, 1811-1815		61

2265	Two Kinds of Switching Processes in Surface Stabilized Ferroelectric Liquid Crystals. <b>1987</b> , 26, L21-L24		79
2264	Novel Ferroelectricity in Fluorinated Ferroelectric Liquid Crystal. <b>1987</b> , 26, L77-L78		56
2263	Numerical Analysis Method for Orientation Structures of Surface-Stabilized Ferroelectric Liquid Crystals. <b>1987</b> , 26, 1609-1614		14
2262	Characteristics of Optical Switching and Memory Effects Utilizing Deformation of Helicoidal Structure of Ferroelectric Liquid Crystals with Large Spontaneous Polarization. <b>1987</b> , 26, 513-516		49
2261	Colour Switching, Dynamics and Molecular Reorientation Processes in a Very Thin Ferroelectric Liquid Crystal. <b>1987</b> , 26, 1952-1958		5
2260	Continuum Theory of Uniformly Layered Chiral Smectic C* in an Electromagnetic Field. <b>1987</b> , 142, 15-40		12
2259	The influence of alkyl chain branching on smectic C formation. <i>Liquid Crystals</i> , <b>1987</b> , 2, 63-71	2.3	33
2258	Heat-capacity, tilt-angle, and polarization measurements near the smectic-A-chiral-smectic-C transition of one liquid-crystal compound. <b>1987</b> , 35, 1460-1463		15
2257	Ferroelectric SC* Phase in Some Benzoate Series. <b>1987</b> , 151, 147-154		6
2256	Electrooptical switching properties of uniform layer tilted surface stabilized ferroelectric liquid crystal devices. <i>Liquid Crystals</i> , <b>1987</b> , 2, 707-716	2.3	33
2255	Molecular reorientation processes and dynamics of polarization reversal in thin surface stabilized ferroelectric liquid crystal dobambc. <b>1987</b> , 76, 69-80		14
2254	Dielectric properties of new stable ferroelectric liquid crystals with large spontaneous polarization. <b>1987</b> , 86, 3648-3654		45
2253	Simple model for the polarization reversal current in a ferroelectric liquid crystal. <b>1987</b> , 36, 4380-4389		55
2252	Submicrosecond electro-optic switching in the liquid-crystal smectic A phase: The soft-mode ferroelectric effect. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 640-642	3.4	164
2251	Electro-optical effects of uniform layer-tilted state in ferroelectric liquid crystals. <b>1987</b> , 61, 2400-2403		7
2250	"Chevron" local layer structure in surface-stabilized ferroelectric smectic-C cells. <b>1987</b> , 59, 2658-2661		463
2249	Ferroelectric Liquid Crystals [Properties of the Smectic C Phase and the Smectic A Phase of Compounds with High Spontaneous Polarization. <b>1987</b> , 91, 925-929		11
2248	Characteristic of Dielectric Behaviour of Ferroelectric Liquid Crystal at Smectic-A and Chiral Smectic-C Phase Transition. <b>1987</b> , 56, 4150-4156		20

2247	Material Properties of Ferroelectric Liquid Crystals and Their Relevance for Applications and Devices. <b>1987</b> , 152, 503-587		44
2246	Hysteresis of Optical Transmission in Ferroelectric Liquid Crystal by Winding and Unwinding Motions of Helical Structure. <b>1987</b> , 144, 43-56		12
2245	Synthesis of Some Chiral Smectics with Chloroalkoxy Side Chains. <b>1987</b> , 150, 277-287		4
2244	A New Method for High Accuracy Tilt Angle Measurements in Ferroelectric Liquid Crystals. <b>1987</b> , 150, 257-263		6
2243	New Chiral Polar Smectic C Liquid Crystals. <b>1987</b> , 144, 199-210		9
2242	AC Field and Frequency-Controlled Electrooptic Switching Using A Pyrimidine Type Ferroelectric Liquid Crystal. <b>1987</b> , 144, 191-198		19
2241	Fast-Switching Low-Temperature Liquid Crystal Mixtures. <b>1987</b> , 146, 173-187		28
2240	Liquid crystals, displays and devices for optical processing. <b>1987</b> , 20, 364-377		19
2239	Polarization-based optical parallel logic gate utilizing ferroelectric liquid crystals. <b>1987</b> , 12, 611-3		17
2238	IV. Photorefractive and liquid crystal materials. <i>Applied Optics</i> , <b>1987</b> , 26, 220-4	1.7	8
2237	Legibility study of multiplexed twisted nematic LCDs based on colorimetry and matching tests. <i>Applied Optics</i> , <b>1987</b> , 26, 1709-13	1.7	2
2236	Characteristics of Transient Light Scattering in Ferroelectric Liquid Crystals. <b>1987</b> , 146, 251-264		9
2235	High-speed light valve using an amorphous silicon photosensor and ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 1233-1235	3.4	13
2234	PRELIMINARY COMMUNICATIONS A novel alignment technique for ferroelectric smectics. <i>Liquid Crystals</i> , <b>1987</b> , 2, 107-110	2.3	45
2233	Ferroelectric liquid crystal display capable of video line address times. <b>1987</b> , 8, 115-118		13
2232	Deuterium NMR on magneto-aligned samples of the chiral smectic C, Sc*, phase. <b>1987</b> , 75, 39-49		5
2231	Ferroelectric Liquid Crystals. Part 2. Chiral phenyl benzoates incorporating a trans-1,4-disubstituted cyclohexane ring. <b>1988</b> , 71, 451-460		32
2230	Ferroelectric Liquid Crystals. Part 3. Achiral phenyl benzoates incorporating a trans-4-pentylcyclohexyl moiety. <b>1988</b> , 71, 461-466		42

2229	Ferroelectric liquid crystals with doping-induced polarization. <b>1988</b> , 78, 111-119		1
2228	Pattern Evolution in a Polarization Reversal of Ferroelectric Liquid Crystal. <b>1988</b> , 57, 4101-4105		5
2227	Doping-induced ferroelectricity in liquid crystals. <b>1988</b> , 84, 73-88		4
2226	Optical interconnection network using polarization-based ferroelectric liquid crystal gates. <i>Applied Optics</i> , <b>1988</b> , 27, 1727-33	1.7	60
2225	Ferroelectric Liquid Crystals. Material Properties and Applications. <b>1988</b> , 165, 439-509		57
2224	.		
2223	Surface Anchoring of Nematic Liquid Crystals. <b>1988</b> , 165, 265-316		93
2222	Ferroelectric Liquid Crystals. <b>1988</b> , 158, 1-150		64
2221	Ferroelectric liquid crystals part I. The synthesis and liquid crystal transition temperatures of some new smectic c materials. <b>1988</b> , 85, 385-392		21
2220	Ferroelectric liquid crystals VI. Chiral 5-alkyl-2-phenylpyrimidines. <i>Liquid Crystals</i> , <b>1988</b> , 3, 1173-1182	2.3	26
2219	Ferroelectric liquid crystals IV. Chiral alkenyloxyphenyl benzoates. <i>Liquid Crystals</i> , <b>1988</b> , 3, 1115-1123	2.3	18
2218	Ferroelectric liquid crystals V. Chiral alkenyloxyphenyl 4-biphenyl-1-carboxylates. <i>Liquid Crystals</i> , <b>1988</b> , 3, 1125-1128	2.3	11
2217	Synthesis and Thermal Properties of Side Chain Type Liquid Crystalline Polymers With Chiral Unit in the Flexible Moiety. <b>1988</b> , 157, 151-162		1
2216	Universal property of domain reversal-process in ferroelectric liquid crystal 8si. <b>1988</b> , 85, 133-142		4
2215	Ferroelectric liquid crystal materials applied to guest-host type displays. <b>1988</b> , 85, 361-373		26
2214	A 1? D.5? FLC bar-graph display with short-term memory. <b>1988</b> , 85, 313-325		4
2213	Characterization of layer-tilted state in ferroelectric liquid-crystal cells by electro-optical switchings. <b>1988</b> , 64, 6654-6661		8
2212	Alignment of ferroelectric liquid crystals on commercially available polyimides. <b>1988</b> , 85, 25-30		6

2211	Synthesis and Properties of Smectic Side-Chain Polymers. <b>1988</b> , 155, 371-387		12
2210	The relation among the tilt-angle, polarization and helical pitch in the chiral-smectic-C phase. <b>1988</b> , 84, 15-24		1
2209	Studies of some material constants of a SmC* ferroelectric liquid crystal mixture. <b>1988</b> , 82, 149-156		3
2208	Rotational viscosities in ferroelectric smectic liquid crystals. <b>1988</b> , 84, 119-142		41
2207	Ferroelectric mixtures and their physico-chemical properties. <b>1988</b> , 85, 329-349		87
2206	Effect of material constants on the orientation structure of ferroelectric liquid crystal cells. <b>1988</b> , 64, 6234-6240		14
2205	Very low-frequency hysteresis loops in ferroelectric liquid crystals: A new optical technique. <b>1988</b> , 63, 4921-4924		2
2204	Molecular design of ferroelectric liquid crystals. <b>1988</b> , 84, 65-72		23
2203	Electroclinic effect above the smectic-A-smectic-C transition. <b>1988</b> , 38, 1653-1655		32
2202	Tricriticality near the smectic-A-smectic-C transition of a liquid crystal compound. <b>1988</b> , 61, 345-348		63
2201	Surface orientation transitions in surface stabilized ferroelectric liquid crystal structures. <i>Applied Physics Letters</i> , <b>1988</b> , 53, 2397-2399	3-4	41
2200	Dynamics of a disclination point in smectic-C and -C liquid-crystal films. <b>1988</b> , 37, 3986-3992		38
2199	Chiral smectic C phase exhibited by some 4-n-alkoxy- $\beta$ -methyl cinnamates. <b>1988</b> , 85, 461-468		6
2198	Row-backlight, column-shutter display concept. <i>Applied Physics Letters</i> , <b>1988</b> , 52, 1034-1036	3-4	3
2197	Director and layer structure of SSFLC cells. <b>1988</b> , 85, 79-97		90
2196	Uniform SSFLC director pattern switching. <b>1988</b> , 85, 67-77		22
2195	New practical broad range FLC-mixtures for display application. <b>1988</b> , 84, 89-101		21
2194	Switching behaviors in some ferroelectric liquid crystals. <b>1988</b> , 85, 123-132		7

2193	Deviation of layer normal from rubbing direction in SSF-LC. <b>1988</b> , 85, 39-46		35
2192	Multiplexed ferroelectric liquid crystal display. <b>1988</b> , 85, 235-254		11
2191	Epitaxial growth alignment of ferroelectric smectic C phases on rubbed polymers. <i>Liquid Crystals</i> , <b>1988</b> , 3, 1255-1266	2.3	23
2190	Temperature and wave vector dependence of the eigenfrequencies of the Goldstone mode and the soft mode of ferroelectric SmC* liquid crystals. <b>1988</b> , 84, 223-240		6
2189	Macroscopic properties of mixed chiral smectic liquid crystals. <i>Liquid Crystals</i> , <b>1988</b> , 3, 353-361	2.3	7
2188	Dependence of spontaneous polarization, rotational viscosity and helical pitch of smectic c* compounds on the enantiomeric excess. <b>1988</b> , 84, 143-165		26
2187	Electro-optical response of a thin layer of a ferroelectric liquid crystal with a small pitch and high spontaneous polarization. <b>1988</b> , 85, 173-186		48
2186	Ferroelectric smectic C liquid crystal image transducers. <b>1988</b> , 85, 303-312		4
2185	Investigation of SSFLCD director configurations using optical transmission symmetry. <b>1988</b> , 85, 57-66		1
2184	Measurement of the rotational viscosity of ferroelectric liquid crystals based on a simple dynamical model. <i>Liquid Crystals</i> , <b>1988</b> , 3, 469-484	2.3	90
2183	Dielectric characterization of new mesomorphic mixtures with smC*Phases. <b>1988</b> , 81, 405-408		6
2182	The soft-mode ferroelectric effect. <b>1988</b> , 84, 285-315		124
2181	Tristable Switching in Surface Stabilized Ferroelectric Liquid Crystals with a Large Spontaneous Polarization. <b>1988</b> , 27, L729-L732		356
2180	Very slow hysteresis loops in ferroelectric liquid crystals. <b>1988</b> , 81, 401-404		2
2179	Recent developments in the physics of liquid crystals. <b>1988</b> , 29, 527-558		19
2178	The Synthesis of Ferroelectric Liquid Crystal Materials. <b>1988</b> , 159, 115-125		5
2177	Addressing cycles for fast settling grey shades in ferroelectric liquid crystal matrices. <b>1988</b> , 85, 265-274		23
2176	Ferroelectric liquid crystalline side-chain polysiloxanes. <b>1988</b> , 85, 425-434		17

2175	New ferroelectric materials with high spontaneous polarization: Synthesis, physical properties and electro-optical behaviour of some mixtures. <b>1988</b> , 85, 441-450	2
2174	Chiral Sc phase in new cinnamate series. <b>1988</b> , 85, 435-440	10
2173	Electro-optic applications of ferroelectric liquid crystals to optical computing. <b>1988</b> , 85, 279-289	22
2172	A method for director alignment of SmC devices. <b>1988</b> , 85, 15-24	17
2171	Bipolar switching of layer-tilted state in ferroelectric liquid crystals. <b>1988</b> , 85, 153-161	4
2170	On the Smectic a Smectic C* phase transition in high polarization ferroelectric liquid crystals. <b>1988</b> , 84, 317-325	9
2169	Temperature dependence of spontaneous polarization and tilt in a homologous series of smectics c doped with a chiral additive. <b>1988</b> , 12, 247-262	
2168	Dielectric and Optical Measurements for Some Compounds Exhibiting an Is-Ch-SmC* Phase Transition Sequence. <b>1988</b> , 159, 137-149	7
2167	Essential factors in high-duty FLC matrix display. <b>1988</b> , 85, 255-264	24
2166	Applications of Ferroelectric Materials. <b>1988</b> , 5, 351-382	4
2165	Spatial Light Modulators For Signal Processing Systems.	
2164	Liquid Crystal Television. <b>1988</b> , 165, 533-571	1
2163	Threshold Behavior of a Bistable Ferroelectric Liquid Crystal with a Large Tilt Angle in Thick Cells (4-14 $\mu$ m). <b>1988</b> , 27, 464-468	4
2162	The Strength of Rubbing Worked on Polyimide Films for Aligning Nematic and Chiral Smectic Liquid Crystals: Controlling Pretilt Angles and Some Electrooptic Performances of LCDs. <b>1988</b> , 27, 827-829	62
2161	Electrooptic Characteristics of a Charge-Transfer Complex-Doped Surface-Stabilized Ferroelectric Liquid Crystal Device. <b>1988</b> , 27, L477-L478	9
2160	Zig-Zag Defects and Disclinations in the Surface-Stabilized Ferroelectric Liquid Crystals. <b>1988</b> , 27, 1-7	103
2159	A Method for Molecular Alignment of Ferroelectric Smectic Liquid Crystal: Combination of Metal Oxide Thin Film and Electric Field. <b>1988</b> , 27, 1365-1372	10
2158	Electrooptic Bistability of a Ferroelectric Liquid Crystal Device Prepared Using Polyimide Langmuir-Blodgett Orientation Films. <b>1988</b> , 27, L475-L476	100

2157	AC Field-Stabilization Phenomena of Ferroelectric Liquid Crystals. <b>1988</b> , 27, 2187-2191	
2156	Influences of Alignment Materials and LC Layer Thickness on AC Field-Stabilization Phenomena of Ferroelectric Liquid Crystals. <b>1988</b> , 27, 1115-1121	6
2155	Optical Methods for the Measurement of Layer-Tilt and Pretilt Angles in Surface-Stabilized Ferroelectric Liquid Crystal Devices. <b>1988</b> , 27, 2022-2025	11
2154	New Electrooptic Switching in Ferroelectric Liquid Crystal Cells. <b>1988</b> , 27, L733-L735	7
2153	Anomalous Applied Voltage Dependence of the Switching Time in a Ferroelectric Liquid Crystal with Negative Dielectric Anisotropy. <b>1988</b> , 27, 705-709	2
2152	Physical Properties of Ferroelectric Liquid Crystals and AC Field-Stabilization Effect. <b>1988</b> , 27, 1122-1125	5
2151	Absorption Current and Impurity Ions in Nematic Liquid Crystal Cells. <b>1988</b> , 27, L1361-L1364	26
2150	Characteristics of Ferroelectric Liquid Crystal Sandwiched between Drawn and Poled Polyvinylidene Fluoride Thin Films. <b>1988</b> , 27, L129-L131	4
2149	Effect of Molecular Structure of Core on Ferroelectricity in Ferroelectric Liquid Crystals. <b>1988</b> , 27, 452-455	7
2148	Optical Representations For Symbolic Logic. <b>1988</b> , 27, 475	
2147	Dependence of spontaneous polarization on orientation and position of several bond moments near chiral parts in ferroelectric liquid crystals. <b>1988</b> , 77, 137-144	56
2146	Optical Addressing of High-Speed Spatial Light Modulators with Hydrogenated Amorphous Silicon. <b>1988</b> , 118, 405	2
2145	Thermal and Ferroelectric Properties of Novel Ferroelectric Liquid Crystals Containing $\beta$ -Methylcinnamoyl Moiety in the Core Structure. <b>1988</b> , 61, 2573-2578	9
2144	Ferroelectric Properties of Binary Mixtures of Chiral Smectic C Liquid Crystals. <b>1988</b> , 17, 307-310	4
2143	Transport Properties of Ions in Ferroelectric Liquid Crystal Cells. <b>1989</b> , 28, 2240-2246	38
2142	Phase Transitions and Switching Behavior in a Fluorine-Containing Ferroelectric Liquid Crystal. <b>1989</b> , 28, L1606-L1608	34
2141	Novel Phases Exhibiting Tristable Switching. <b>1989</b> , 28, L1261-L1264	370
2140	Dye guest-host effects in ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1243-1252	2.3 28

2139	The effect of biasing electric field on the soft mode in the vicinity of the ferroelectric phase transition in liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 6, 325-332	2.3	33
2138	. <b>1989</b> , 36, 1895-1899		11
2137	The effect of phase transitions on the response times of ferroelectric liquid crystal devices. <i>Liquid Crystals</i> , <b>1989</b> , 6, 545-551	2.3	6
2136	Effect of the transverse dipole moment on the smectic-A-smectic-C (or -chiral-smectic-C) transition. <b>1989</b> , 40, 6759-6762		34
2135	Charge-controlled phenomena in the surface-stabilized ferroelectric liquid-crystal structure. <b>1989</b> , 66, 1132-1136		38
2134	Influence of the crystallinity of the alignment layer on the bistability of the surface-stabilized ferroelectric liquid-crystal effect. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 1191-1193	3.4	10
2133	Depolarization field and ionic effects on the bistability of surface-stabilized ferroelectric liquid-crystal devices. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 125-127	3.4	78
2132	Rotational viscosity in ferroelectric liquid crystals estimated from transient light scattering and dielectric properties. <b>1989</b> , 65, 3602-3605		
2131	Electrically controlled surface bistability in nematic liquid crystals. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 2506-2508	3.4	37
2130	.		1
2129	Electric-field-induced layer reorientation in ferroelectric liquid crystals. <b>1989</b> , 40, 2854-2856		55
2128	Electroclinic effect near a smectic A <sub>h</sub> chiral smectic I transition. <i>Liquid Crystals</i> , <b>1989</b> , 4, 543-548	2.3	8
2127	Photoaddressed liquid crystal devices. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1389-1396	2.3	1
2126	High-speed binary optically addressed spatial light modulator. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 537-539	3.4	83
2125	FLC Mixtures with Broad Temperature Ranges. <b>1989</b> , 177, 145-153		7
2124	Invited Lecture. Complexities in the structure of ferroelectric liquid crystal cells The chevron structure and twisted states. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1055-1073	2.3	53
2123	Plenary Lecture. New challenges for dot-matrix liquid-crystal displays. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1325-1343	2.3	1
2122	Layer and director structure in surface stabilized ferroelectric liquid crystal cells with non-planar boundary conditions. <i>Liquid Crystals</i> , <b>1989</b> , 6, 565-576	2.3	30

2121	Electro-optical effects in ferroelectric liquid crystals. <b>1989</b> , 92, 335-343		17
2120	Dielectric behaviour of a new SmI* ferroelectric liquid crystal 2-hydroxy-4-decyloxybenzyliden-4'-amino 1-carboethoxyethyl cinnamate. <b>1989</b> , 92, 325-333		3
2119	The concept of rotational viscosities of smectic C and chiral smectic C* liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 5, 359-365	2.3	26
2118	New fluorine-containing ferroelectric liquid crystal compounds showing tristable switching. <i>Liquid Crystals</i> , <b>1989</b> , 6, 167-174	2.3	113
2117	The effect of pretransitional phenomena on the characteristics of induced ferroelectric liquid-crystalline systems. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1195-1202	2.3	15
2116	Switching Behaviour of a Thermochromic Ferroelectric Liquid Crystal with High Spontaneous Polarization. <b>1989</b> , 177, 43-57		3
2115	New Phases in the Ferroelectric Liquid Crystal MHPOBC Studied by Differential Scanning Calorimetry. <b>1989</b> , 28, L849-L850		137
2114	Odd-even effects in the alignment of ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1139-1147	2.3	9
2113	Properties of new ferroelectric materials. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1259-1267	2.3	4
2112	Electromechanical effect in surface stabilized and unwound SC* liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1121-1126	2.3	10
2111	Manifestation of chiral asymmetry of ferroelectric liquid crystals induced by optically active dipole dopants in a linear electrooptic effect. <i>Liquid Crystals</i> , <b>1989</b> , 6, 533-543	2.3	18
2110	Plenary Lecture. The history of the liquid crystal display and liquid crystal material technology. <i>Liquid Crystals</i> , <b>1989</b> , 5, 57-71	2.3	27
2109	Effect of Hydroxyl Substituent on Ferroelectricity in Ester Type Ferroelectric Liquid Crystals. <b>1989</b> , 167, 191-197		2
2108	High Quality Ferroelectric Liquid Crystal Display with Quasi-Bookshelf Layer Structure. <b>1989</b> , 28, L483-L486		77
2107	Novel Ferroelectric Liquid Crystals with Very Large Spontaneous Polarization. <b>1989</b> , 28, L1258-L1260		26
2106	Ferroelectric Liquid Crystal Display with High Contrast Ratio. <b>1989</b> , 28, 524-529		20
2105	Dynamic Response of Second Harmonic Generation in Ferroelectric Liquid Crystal. <b>1989</b> , 28, L1830-L1832		21
2104	Electrostatic Capacitance in Ferroelectric Smectic Liquid Crystal Cells. <b>1989</b> , 28, 2537-2546		

2103	Dominant Factors Influence the Bistability of Surface-Stabilized Ferroelectric Liquid Crystal Devices. <b>1989</b> , 28, L1599-L1601	25
2102	A New Operation Mode of a Ferroelectric Liquid Crystal Cell with an Asymmetrical Surface Condition. <b>1989</b> , 28, 2247-2253	5
2101	Ferroelectric Liquid Crystal Mixtures Doped with Compounds Having Chiral Groups at Both Ends of the Core. <b>1989</b> , 28, L272-L274	6
2100	Viscoelastic Properties of the SmecticA*andC*Phases Studied by a New Dielectric Method. <b>1989</b> , 28, 1887-1892	50
2099	Smectic Layer Switching by an Electric Field in Ferroelectric Liquid Crystal Cells. <b>1989</b> , 28, L119-L120	43
2098	Investigation of Switching Behavior in a Ferroelectric Liquid Crystal Aligned on Obliquely Deposited SiO Films. <b>1989</b> , 28, 50-55	19
2097	. <b>1989</b> , 36, 2959-2964	31
2096	Liquid crystalsNew compounds, new applications. <b>1989</b> , 1, 338-343	4
2095	Liquid CrystalsNew Compounds, New Applications. <b>1989</b> , 101, 1454-1459	4
2094	Liquid CrystalsNew Compounds, New Applications. <b>1989</b> , 28, 1424-1429	13
2093	Developments in full-colour liquid crystal displays. <b>1989</b> , 10, 181-184	2
2092	Row-backlight, column-shutter display: a new display format. <b>1989</b> , 10, 76-80	1
2091	Polarization Reversal Current Behaviour for Parallel and Antiparallel Rubbed Surface Stabilized Ferroelectric Liquid Crystals. <b>1989</b> , 111, 309-314	2
2090	Biaxiality of the Ferroelectric Liquid Crystal DOBAMBC in Electric Field. <b>1989</b> , 112, 617-624	3
2089	Surface and Bulk Switching Dynamics in Surface Stabilized Ferroelectric Liquid Crystals. <b>1989</b> , 114, 369-375	1
2088	Electrooptic Bistability of a Ferroelectric Liquid Crystal Device Prepared Using Charge-Transfer Complex-Doped Polyimide-Orientation Films. <b>1989</b> , 28, L116-L118	36
2087	Surface effects on the polarization reversal of the ferroelectric liquid crystal 8SI*. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1149-1157	2.3
2086	Determination of the Director Alignment in a Ferroelectric Liquid Crystal Device by Observation of Optical Modes. <b>1989</b> , 36, 1019-1025	49

2085	Polyimide aligned ferroelectric smectic C liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 4, 637-641	2.3	13
2084	Mathematical morphology processor using ferroelectric liquid crystal light valves: principle. <i>Applied Optics</i> , <b>1989</b> , 28, 3456-60	1.7	8
2083	Evolutionary development of advanced liquid crystal spatial light modulators. <i>Applied Optics</i> , <b>1989</b> , 28, 4740-7	1.7	74
2082	Motivations for using ferroelectric liquid crystal spatial light modulators in neurocomputing. <i>Applied Optics</i> , <b>1989</b> , 28, 4888-99	1.7	43
2081	Influence of interconnection weight discretization and noise in an optoelectronic neural network. <b>1989</b> , 14, 928-30		12
2080	Ferroelectric liquid-crystal tunable filter. <b>1989</b> , 14, 1249-51		38
2079	. <b>1989</b> , 77, 1558-1572		19
2078	Method for computing the optical properties of a smectic C* liquid-crystal cell. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1989</b> , 6, 1493	1.8	12
2077	Ferroelectric liquid crystals: The development of devices. <b>1989</b> , 94, 3-62		59
2076	Ferroelectric smectic C liquid crystal mixtures: Relationship between molecular structure, ferroelectricity and electro-optic response. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1179-1186	2.3	16
2075	Fast responding and highly multiplexible distorted helix ferroelectric liquid-crystal displays. <b>1989</b> , 66, 3877-3882		105
2074	Deformed helix ferroelectric liquid crystal display: A new electrooptic mode in ferroelectric chiral smectic C liquid crystals. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1171-1177	2.3	221
2073	Optically addressed electroclinic liquid crystal spatial light modulator with an a-Si:H photodiode. <b>1989</b> , 115, 162-164		7
2072	Director orientation of a ferroelectric liquid crystal on substrates with rubbing treatment: The effect of surface anchoring strength. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1127-1137	2.3	81
2071	High-speed analog spatial light modulator using a hydrogenated amorphous silicon photosensor and an electroclinic liquid crystal. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 1603-1605	3.4	42
2070	The Cone Angle Between Relaxed States in SSFLC's A Pure Surface Effect?. <b>1989</b> , 172, 83-88		5
2069	. <b>1989</b> , 36, 1892-1894		2
2068	Device physics of the soft-mode electro-optic effect. <b>1989</b> , 66, 4983-4995		69

2067 Electro-optic effects in a ferroelectric liquid crystal mixture. **1989**, 92, 353-354

2066 Thickness dependence of chiral smectic C liquid crystal phase transitions. *Liquid Crystals*, **1989**, 4, 423-427.3

2065 Optical transmission of ferroelectric liquid-crystal displays. **1989**, 65, 2616-2619 9

2064 Alternative Complex Liquid Crystal Displays. **1989**, 149, 213 1

2063 Mesophases II. **1989**, 36, 501-513

2062 Novel Ferroelectric Liquid Crystals Derived from Normal Alkyl Esters of (R)-3-Hydroxybutanoic Acid. The Correlation between Molecular Structure and Mesomorphic Properties. **1989**, 62, 1011-1016 4

2061 Novel Ferroelectric Liquid Crystals Derived fromn-Alkyl Esters of (R)-3-Hydroxybutanoic Acid (II), the Correlation between Their Ferroelectric Properties and Their Molecular Structure. **1989**, 62, 1685-1691 4

2060 Ferroelectric Liquid Crystal Spatial Light Modulators. **1990**, 1150, 46 3

2059 Liquid Crystal High Information Content Displays. **1990**,

2058 Broadband dielectric spectroscopy on ferroelectric liquid-crystalline side group polymers. *Liquid Crystals*, **1990**, 8, 719-725 2,3 10

2057 Active-Matrix Thin-Film Transistor Liquid-Crystal Displays. **1990**, 77, 1-82 3

2056 Some new Fluoro esters incorporating a cyclohexane ring as chiral dopants for ferroelectric mixtures. *Liquid Crystals*, **1990**, 8, 217-227 2,3 36

2055 Chiral Tolans: A New Family of Ferroelectric Liquid Crystals. Synthesis and Mesomorphic Properties. **1990**, 63, 1020-1025 19

2054 Optically ActiveO-Acyl Cyanohydrins as Chiral Dopants for Ferroelectric Liquid Crystals. **1990**, 19, 1615-1618 21

2053 Ferroelectric Liquid Crystalline Compounds Having a Chiral Center Directly Connected to the Core Aromatic Ring. Synthesis of Chiral 4-(1-Propoxyethyl)benzenol and-benzoic Acid, 4-(1-Carboxyethyl)benzenol and the Esters Derived Therefrom. **1990**, 19, 523-526 16

2052 Optically Active Sulfoxides as Ferroelectric Liquid Crystals and Chiral Dopants for Them. **1990**, 19, 623-626 21

2051 Optical neural networks using smectic liquid crystals. **1990**,

2050 Rotational viscosity coefficients of nematic and smecticC liquid crystals: Statistical theory. **1990**, 12, 1223-1232.12

2049	Bistable switching and molecular reorientation of ferroelectric liquid crystals by current analysis. <b>1990</b> , 118, 561-566	4
2048	Investigation of the Temperature Dependence of Ferroelectricity in Smectic C Liquid Crystals. <b>1990</b> , 119, K83-K85	1
2047	Dielectric spectroscopy: Fashionable again. <b>1990</b> , 2, 145-147	16
2046	Internal non contact testing method using ferroelectric liquid crystals. <b>1990</b> , 12, 149-156	8
2045	A molecular gyroscope based on the goldstone mode in ferroelectric liquid crystals. <b>1990</b> , 146, 273-276	13
2044	Nonabsorptive binary optical programmable logic array. <b>1990</b> , 76, 107-110	1
2043	AC-field-stabilized matrix ferroelectric LCD. <b>1990</b> , 11, 30-35	5
2042	Novel ferroelectric smectic C liquid crystal mixtures for display applications. <b>1990</b> , 11, 41-45	16
2041	Theoretical study of the chevron layer structure in smectic phases. <b>1990</b> , 11, 67-72	36
2040	Physical properties and alignment of a polymer-monomer ferroelectric liquid crystal mixture. <b>1990</b> , 51, 355-368	16
2039	Electro-optical and thermal studies of one ferroelectric liquid-crystal compound with a polarization sign reversal. <b>1990</b> , 51, 1749-1757	2
2038	Optical Symmetry of Ferroelectric Liquid Crystal Cells. <b>1990</b> , 29, L2239-L2242	4
2037	Ferroelectric Liquid Crystals Incorporating the Optically Active $\beta$ -Lactone Ring. <b>1990</b> , 29, L981-L983	23
2036	Ferroelectric Liquid Crystal Display Using Tristable Switching. <b>1990</b> , 29, 1757-1764	74
2035	Fast Optical Switching in Polymer Waveguide Using Ferroelectric Liquid Crystal. <b>1990</b> , 29, L843-L845	25
2034	Effect of Core Structure on Spontaneous Polarization in New Ferroelectric Liquid Crystals with a Fluorinated Chiral Part. <b>1990</b> , 29, L2086-L2088	21
2033	Hybrid Optical Bistability and Limiting in Ferroelectric Liquid Crystals. <b>1990</b> , 29, L625-L627	5
2032	Ferroelectric liquid crystals do not have to be chiral. <b>1990</b> , 23, 119-120	19

2031	Ferroelectric liquid-crystal light valve addressed by laser heating. <b>1990</b> , 67, 996-1000		6
2030	Order-parameter fluctuations in a ferroelectric liquid crystal by broadband dielectric spectroscopy. <b>1990</b> , 42, 2482-2485		27
2029	Dielectric method for determining the rotational viscosity in thick samples of ferroelectric chiral smectic-C* liquid crystals. <b>1990</b> , 42, 2204-2210		59
2028	Effect of alignment layer conductivity on the bistability of surface-stabilized ferroelectric liquid-crystal devices. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 1326-1328	3-4	19
2027	Synthesis and Properties of Optically Active (+)-p?-2-methyl-butoxyphenyl p-(p?-alkoxybenzoyloxy)-benzoates. <b>1990</b> , 185, 35-45		4
2026	Proximity effect for scrolling spatial light modulator applications of surface-stabilized ferroelectric liquid-crystal switching. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 1646-1648	3-4	1
2025	Stationary states of the surface stabilized ferroelectric liquid crystal layers in electric field. <i>Liquid Crystals</i> , <b>1990</b> , 8, 331-343	2-3	5
2024	Surface-stabilized ferroelectric liquid-crystal electro-optic waveguide switch. <i>Applied Physics Letters</i> , <b>1990</b> , 57, 1852-1854	3-4	33
2023	The bistability of the surface-stabilized ferroelectric liquid-crystal effect in electrically reoriented chevron structures. <b>1990</b> , 67, 1253-1261		45
2022	Liquid Crystalline Thiadiazole Derivatives IV New Liquid Crystalline Materials With Broad Smectic C Ranges. <b>1990</b> , 191, 223-230		18
2021	Electrooptic properties of the ferroelectric smectic C phase induced by chiral dopants in HOBA and OOBA. <i>Liquid Crystals</i> , <b>1990</b> , 7, 203-216	2-3	3
2020	Mesomorphic and ferroelectric properties of novel optically active compounds derived from (R)-3-hydroxynonanoic acid. <i>Liquid Crystals</i> , <b>1990</b> , 7, 41-50	2-3	12
2019	Softmode at the ferroelectric/non ferroelectric phase-transition in a liquid crystalline polymer. <b>1990</b> , 109, 273-278		23
2018	Simultaneous determination of fundamental parameters for ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1990</b> , 7, 51-61	2-3	18
2017	Synthesis and Properties of Ferroelectric Liquid Crystalline Compounds Incorporating a 1,3,2-Dioxaborinane Ring. <b>1990</b> , 180, 337-342		
2016	Aliphatic polyimides as alignment layers for surface stabilized ferroelectric smectic C liquid crystal cells. <i>Liquid Crystals</i> , <b>1990</b> , 7, 261-263	2-3	13
2015	Resonances in linear electromechanical responses of SC * liquid crystal samples. <b>1990</b> , 103, 35-47		8
2014	The effect of thermal treatment of the alignment layer on the electro-optical response of SSFLCs. <i>Liquid Crystals</i> , <b>1990</b> , 7, 863-875	2-3	4

2013	Non-linear electromechanical response of S*C liquid crystals. <i>Liquid Crystals</i> , <b>1990</b> , 7, 105-114	2.3	15
2012	Density studies on various smectic liquid crystals. <i>Liquid Crystals</i> , <b>1990</b> , 7, 815-837	2.3	28
2011	Spontaneous Formation of Quasi-Bookshelf Layer Structure in New Ferroelectric Liquid Crystals Derived from a Naphthalene Ring. <b>1990</b> , 29, L984-L986		66
2010	Butadiene iron-tricarbonyl liquid crystal complexes. <b>1990</b> , 1495-1496		28
2009	Polystyrene Derivative Films for Liquid Crystal Alignment. <b>1990</b> , 180, 223-232		6
2008	The mechanism of ac stabilization in ferroelectric liquid-crystal-filled cells. <b>1990</b> , 68, 1242-1246		17
2007	Novel alignment technique for surface stabilized ferroelectric liquid crystal. <i>Applied Physics Letters</i> , <b>1990</b> , 57, 1398-1400	3.4	25
2006	Electrically induced light scattering from anisotropic gels. <b>1990</b> , 68, 4406-4412		229
2005	Rotational viscosity in ferroelectric liquid crystal dobambc determined by dielectric method. <b>1990</b> , 109, 267-272		5
2004	Theoretical model of the frequency and temperature dependence of the complex dielectric constant of ferroelectric liquid crystals near the smectic-C*-smectic-A phase transition. <b>1990</b> , 42, 877-889		208
2003	Director orientation in chevron surface-stabilized ferroelectric liquid crystal cells. Verification of orientational binding at the chevron interface using visible polarized light transmission spectroscopy. <i>Liquid Crystals</i> , <b>1990</b> , 7, 753-785	2.3	57
2002	Chromogenic materials for transmittance control of large-area windows. <b>1990</b> , 16, 291-308		71
2001	A Method for Computing the Optical Properties of a Smectic C* Liquid Crystal Cell with a Chevron Layer Structure. <b>1990</b> , 37, 919-935		8
2000	Synthesis and Mesomorphic Properties of Ferroelectric Liquid Crystals with a Fluorinated Asymmetric Frame (1). <b>1990</b> , 180, 379-388		19
1999	Ferroelectric Liquid Crystals Containing the Chiral Oxirane Carboxylic Ester Unit Positioned Terminally to or Inside of the Mesogenic Part. <b>1990</b> , 178, 179-192		11
1998	Optical database/knowledgebase machines. <i>Applied Optics</i> , <b>1990</b> , 29, 195-205	1.7	16
1997	Liquid crystal optical routing switch. <i>Applied Optics</i> , <b>1990</b> , 29, 1304-7	1.7	17
1996	Bistable spatial light modulator using a ferroelectric liquid crystal. <b>1990</b> , 15, 285-7		54

1995	Ferroelectric-liquid-crystal/silicon-integrated-circuit spatial light modulator. <b>1990</b> , 15, 291-3		56
1994	High-speed, low-power optical phase conjugation using a hybrid amorphous silicon/ferroelectric-liquid-crystal device. <b>1990</b> , 15, 1114-6		21
1993	Ferroelectric liquid-crystal digital scanner. <b>1990</b> , 15, 1415-7		13
1992	Real-time hologram construction and reconstruction using a high-resolution spatial light modulator. <i>Applied Physics Letters</i> , <b>1991</b> , 58, 787-789	3-4	81
1991	Electrically and Optically Controlled Light Modulation and Color Switching Using Helix Distortion of Ferroelectric Liquid Crystals. <b>1991</b> , 200, 79-101		57
1990	.		2
1989	Induced ferroelectric salicylidenanlyene liquid crystals electrooptical properties and applications. <b>1991</b> , 114, 329-343		
1988	Liquid Crystals With a Chiral Core: Cyclohexene Carboxylates. <b>1991</b> , 199, 379-386		7
1987	Time-Resolved Observation of Isothermal Phase Transition of Liquid Crystals Induced by Photoisomerization of Azobenzene Dopant. <b>1991</b> , 195, 251-263		18
1986	.		
1985	Smectic liquid crystal tunable filters. <b>1991</b> , 114, 55-69		3
1984	Photovoltaic optically addressed spatial light modulator. <b>1991</b> , 122, 101-112		3
1983	Electro-Optic Characteristics of Charge-Transfer-Complex Doped Ferroelectric Liquid Crystal Device: Realization of Very High Contrast Ratio and Perfect Bistability. <b>1991</b> , 202, 149-162		8
1982	.		2
1981	All-fiber optic intensity modulators using liquid crystals. <i>Applied Optics</i> , <b>1991</b> , 30, 328-33	1.7	23
1980	Free-space optical collinear crossover interconnects. <i>Applied Optics</i> , <b>1991</b> , 30, 3288-93	1.7	4
1979	Synthesis and properties of new optically active Lactones as chiral dopants for ferroelectric liquid crystals. <b>1991</b> , 311-312		19
1978	Dynamics of controlled birefringence in an electric field deformed helical structure of a ferroelectric liquid crystal. <b>1991</b> , 114, 181-186		10

1977	Chiral Lactones for FLC. The relationship between the molecular structures and the properties. <b>1991</b> , 121, 205-211		6
1976	Synthesis of Fluorine-Containing Ferroelectric Liquid Crystals. <b>1991</b> , 204, 15-25		31
1975	Ultrafast all-optical deflection based on an induced area modulation in nonlinear materials. <b>1991</b> , 16, 438-40		25
1974	Rapidly switchable optical filter for color generation. <b>1991</b> , 16, 875-7		4
1973	. <b>1991</b> , 3, 682-684		8
1972	Surface effects and anchoring in liquid crystals. <b>1991</b> , 54, 391-451		812
1971	Dielectric studies of the soft mode and Goldstone mode in ferroelectric liquid crystals. <b>1991</b> , 113, 165-206		231
1970	Electrochirally controlled bistable surface switching in nematic liquid crystals. <i>Applied Physics Letters</i> , <b>1991</b> , 58, 2907-2909	3-4	51
1969	New materials for ferroelectric liquid crystals. Novel compounds containing chiral Lactone ring. <b>1991</b> , 114, 265-272		24
1968	Diarylethane Chloroester ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1991</b> , 9, 253-266	2-3	24
1967	Large area ferroelectric liquid crystal displays. <b>1991</b> , 122, 27-34		3
1966	Design, synthesis and properties of new ferroelectric liquid crystalline compounds having a chiral center directly connected to the core aromatic ring. <b>1991</b> , 121, 159-166		13
1965	Field dependent Goldstone-mode in ferroelectric liquid crystalline polymers. <b>1991</b> , 113, 231-241		4
1964	Physikalische Chemie 1990. <b>1991</b> , 39, 200-209		1
1963	The SSFLC switching behaviour in view of chevron layer geometry and ionic charges. <b>1991</b> , 113, 269-303		11
1962	Influence of zig-zag defects on electromechanical responses of planar S* C liquid crystals. <b>1991</b> , 113, 305-322		6
1961	Novel ferroelectric liquid crystals having a planar core structure. <b>1991</b> , 121, 225-233		6
1960	Alignment of Ferroelectric Liquid Crystals by LB Film of Polyamic Acid Long-Chain Alkyl Ester. <b>1991</b> , 206, 93-102		3

1959	A new FLC-EO cell showing quasi-tristate characteristics. <b>1991</b> , 121, 33-43		3
1958	Investigations on a New Chiral LC Mixture W-22. <b>1991</b> , 207, 59-76		2
1957	Zigzag defect free alignment and good bistability of surface stabilized Sc * cells. <b>1991</b> , 113, 353-359		11
1956	Addressing of ferroelectric liquid crystal matrices and electrooptical characterization. <b>1991</b> , 113, 405-417		10
1955	The strong temperature dependent goldstone mode relaxation frequency in a broad range SmC* phase. <b>1991</b> , 121, 55-68		21
1954	Novel optically active compounds having 2-alkanoyloxypropyl moiety as chiral dopants. <b>1991</b> , 121, 179-185		
1953	Smectic C* local layer structure within texture lines studied with a (sub)micrometer optical measuring spot. <b>1991</b> , 121, 79-90		16
1952	Synthesis and Mesomorphic Properties of Novel Ferroelectric Liquid Crystals with a Trifluoromethyl Group at the Chiral Center. <b>1991</b> , 206, 147-157		21
1951	Four unit linking groups II. Some novel smectic C materials. <i>Liquid Crystals</i> , <b>1991</b> , 10, 243-260	2.3	22
1950	SSFLC field-induced director pattern modulation described in terms of smectic layer bending. <b>1991</b> , 113, 257-268		11
1949	Molecular dynamics in low-molar and polymeric ferroelectric liquid crystals. <b>1991</b> , 44, 127-138		2
1948	Synthesis and Properties of Optically Active 3-Aryl-5-alkyloxazolidin-2-ones. New Chiral Dopants for Ferroelectric Liquid Crystals. <b>1991</b> , 20, 1623-1624		9
1947	Synthesis and Properties of Optically Active $\alpha$ -Aryl- $\beta$ -aryloxymethyl- $\gamma$ -lactones as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1991</b> , 20, 1109-1112		11
1946	Synthesis and Properties of Optically Active $\alpha$ -Aryl- $\beta$ -alkyl- $\gamma$ -lactones as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1991</b> , 20, 1383-1386		12
1945	Failure analysis using ferroelectric liquid crystals. <b>1991</b> , 7, 249-254		1
1944	. <b>1991</b> , 38, 1316-1323		2
1943	High Frequency Dielectric Relaxation of a Ferroelectric Liquid Crystal. <b>1991</b> , 26, 245-250		4
1942	Synthesis of new optically active cyanocyclopropanes as chiral dopants for ferroelectric liquid crystals. <b>1991</b> , 32, 939-942		13

1941	Some Conditions of Ferromagnetic Liquid Crystal Existence. <b>1991</b> , 168, 577-581	14
1940	A dielectric method for determining the rotational viscosity in ferroelectric liquid crystals. <b>1991</b> , 113, 207-217	11
1939	The field induced stripe texture in surface stabilized ferroelectric liquid crystal cells. <b>1991</b> , 121, 127-136	68
1938	Tilt angle behavior of smectic C phase. <b>1991</b> , 121, 295-306	8
1937	A new type of layer structure defects in chiral smectics. <i>Liquid Crystals</i> , <b>1991</b> , 9, 87-93	2.3 39
1936	Parallel access read/write binary spatial registers for digital optical computing architectures. <b>1991</b> , 30, 1942	2
1935	Ionic transport effects in SSFLC cells. <b>1991</b> , 121, 147-158	34
1934	New Short-Pitch Bistable Ferroelectric (SBF) Liquid Crystal Displays. <b>1991</b> , 30, 741-746	73
1933	Electrooptic Effect in Homeotropically Aligned Ferroelectric Liquid Crystal. <b>1991</b> , 30, 2366-2368	17
1932	A New Optical Neuron Device for All-Optical Neural Networks. <b>1991</b> , 30, 3887-3892	7
1931	Dynamic Orientation Structures of Layer-Tilted Surface-Stabilized Ferroelectric Liquid Crystal Cells. <b>1991</b> , 30, 747-753	1
1930	Hybrid Optical Bistability Using Antiferroelectric Behavior in Ferroelectric Liquid Crystal. <b>1991</b> , 30, 2377-2379	5
1929	The States of Surface-Stabilized Ferroelectric Liquid Crystal with High-Pretilt Aligning Film. <b>1991</b> , 30, L1823-L1825	19
1928	Tilt Angle Behavior of Smectic C Phase in Binary Systems. <b>1991</b> , 30, L1129-L1131	4
1927	A Method for the Determination of the Internal Electric Field of Ion-Doped Ferroelectric Liquid Crystals. <b>1991</b> , 30, 2832-2838	9
1926	Phase-Matched Second-Harmonic Generation in Ferroelectric Liquid Crystal. <b>1991</b> , 30, L1569-L1572	7
1925	A New Operation Mode of a Ferroelectric Liquid Crystal Cell with an Asymmetrical Surface Condition II. <b>1991</b> , 30, 1225-1229	1
1924	Time Response of Liquid Crystals Aligned on Ferroelectric Layers. <b>1991</b> , 30, 1243-1244	

1923	Operating Characteristics of Optically Addressed Spatial Light Modulators Incorporating Distorted Helix Ferroelectric Liquid Crystals. <b>1991</b> , 30, 1400-1404	11
1922	Optical Logic Element Using Ferroelectric Liquid Crystal with Electrical Feedback. <b>1991</b> , 30, 2373-2376	
1921	Dynamic Characteristics of Optical Bistability and Limiting in Polymer Dispersed Liquid Crystal. <b>1991</b> , 30, 301-306	4
1920	Relationship between Molecular Orientation and Optical Memory Angle of Surface-Stabilized Ferroelectric Liquid Crystals. <b>1991</b> , 30, 335-338	6
1919	Electrically Controlled Second-Harmonic Generation in Ferroelectric Liquid Crystal. <b>1991</b> , 30, 2369-2372	7
1918	Optical studies of thin layers of smectic-C materials. <b>1991</b> , 24, 338-342	41
1917	Goldstone Mode Relaxation in the Ferroelectric Phases of 8OSI. <b>1991</b> , 202, 193-206	17
1916	A novel boundary layer sensor utilizing domain switching in ferroelectric liquid crystals. <b>1991</b> , 62, 474-479	11
1915	Electric-field-induced layer reorientation in ferroelectric liquid crystals: An x-ray study. <b>1991</b> , 43, 5744-5747	22
1914	Phase diagrams of liquid crystalline systems with a smectic C phase. <b>1991</b> , 114, 385-399	3
1913	Director structures of a chiral Smectic I liquid crystal in the surface stabilized geometry. <b>1991</b> , 122, 213-220	5
1912	Synthesis and ferroelectric properties of terphenyl derivatives with various structures of chiral terminal substituents. <b>1991</b> , 114, 207-221	5
1911	Spontaneous Formation of Quasi-Book-shelf Layer Structure in New Ferroelectric Liquid Crystals Derived from a Naphthalene Ring. <b>1991</b> , 199, 111-118	15
1910	Measurement method for transitional dielectric constant of ferroelectric liquid crystal filled and aligned in a sandwich cell. <b>1991</b> , 62, 1609-1613	10
1909	Optic mode determination of the relaxed state configuration in a ferroelectric liquid crystal cell. <i>Liquid Crystals</i> , <b>1991</b> , 9, 769-806	2.3 22
1908	Relations between surface profile and free surface energy of smectic C liquid crystals. <b>1991</b> , 122, 261-277	3
1907	Influence of thickness and conductivity of alignment layers on the bistability of ferroelectric liquid-crystal devices. <b>1991</b> , 69, 8399-8401	3
1906	Wavelength Characterisation of Ferroelectric Liquid Crystal Cells. <b>1991</b> , 30, 729-734	11

1905	Ferroelectric liquid crystal siloxane homo and copolymers. <i>Liquid Crystals</i> , <b>1991</b> , 10, 475-493	2.3	39
1904	Ferroelectric liquid crystals as flow-field sensors in boundary layer investigation. <b>1991</b> , 122, 197-211		
1903	The IOERS/Alvey Ferroelectric multiplexing scheme. <b>1991</b> , 122, 63-79		46
1902	Ferroelectric liquid crystal displays for television application. <b>1991</b> , 122, 1-26		47
1901	High resolution, large area flc display with high graphic performance. <b>1991</b> , 114, 3-26		121
1900	Observation of Liquid Crystal Molecule on Graphite by Scanning Tunneling Microscopy. <b>1991</b> , 199, 141-149		12
1899	Optical studies of smectic C? displays. <b>1991</b> , 122, 293-309		3
1898	Structural Changes Occurring in the Phase Transition of Ferroelectric Liquid Crystals [I Temperature Dependence of the X-Ray Diffraction and FTIR/Raman Spectra. <b>1991</b> , 200, 145-155		4
1897	Electro-optical properties of ferroelectric liquid crystalline polymers. <b>1991</b> , 122, 53-62		31
1896	The Relationship between the Physical Properties of the Alignment Layer and the Quality of SSFLC Cells. <b>1991</b> , 202, 123-147		9
1895	Linear electromechanical effect in a polymeric ferroelectric liquid crystal. <b>1991</b> , 122, 139-147		3
1894	Fast switching ferroelectric side-chain liquid-crystalline polymer and copolymer. <i>Liquid Crystals</i> , <b>1991</b> , 10, 585-591	2.3	54
1893	Examination of Near Surface Alignment in Tilted Smectic Liquid Crystal Filled Cells. <b>1991</b> , 208, 1-7		11
1892	Synthesis and ferroelectric properties of laterally substituted fluoro liquid crystals derived from 4-mercaptobenzoic acid. <i>Liquid Crystals</i> , <b>1991</b> , 10, 785-797	2.3	45
1891	Nonlinear Optical Response in Ferroelectric Liquid Crystal. <b>1991</b> , 199, 213-221		3
1890	Organic ferroelectric materials and piezoelectric composites. <b>1991</b> , 329-362		1
1889	Electro-Optic Switching in Polymer Waveguide Using Surface Stabilized Ferroelectric Liquid Crystal. <b>1991</b> , 202, 163-169		10
1888	A high contrast and high transmittance multiplexing ssflc display utilizing naphthalene base liquid crystal materials. <b>1991</b> , 122, 37-51		30

1887	Effect of Electrical Properties of Orientation Films on Switching Current and EO Performance of FE-LCD. <b>1991</b> , 202, 171-181		3
1886	Optical phase conjugation using optically addressed chiral smectic liquid crystal spatial light modulators. <b>1991</b> , 114, 45-53		15
1885	New liquid-crystalline compounds with an intramolecular hydrogen bond. <i>Liquid Crystals</i> , <b>1991</b> , 10, 715-723		19
1884	Linear electrooptic effects in the chiral nematic phase. <b>1991</b> , 114, 167-179		29
1883	Optical bistable and limiting behaviors in ferroelectric liquid crystal and optical processing. <b>1991</b> , 122, 113-125		
1882	Static and dynamic properties of optical second harmonic generation in ferroelectric liquid crystal. <b>1991</b> , 121, 259-274		28
1881	An examination of the optical dielectric tensor of a liquid crystal waveguide. <b>1991</b> , 113, 339-351		21
1880	Symmetry of the aligning polymer and the cone angles in surface stabilized ferroelectric liquid crystal displays. <i>Liquid Crystals</i> , <b>1991</b> , 10, 771-783	2.3	16
1879	Electrooptic Modulation in the Optical Waveguide Using Ferroelectric Liquid Crystal. <b>1992</b> , 31, 3189-3192		3
1878	Investigation and Handling of Langmuir-Blodgett Polyimide Alignment Layers for Surface-Stabilized Ferroelectric Liquid Crystal Displays. <b>1992</b> , 31, 3636-3641		8
1877	Effect of Surface Pretilt Angle on Optical Properties of Surface-Stabilized Ferroelectric Liquid Crystals. <b>1992</b> , 31, L1089-L1092		25
1876	Four States of Surface-Stabilized Ferroelectric Liquid Crystal with Parallel Rubbing. <b>1992</b> , 31, 3632-3635		31
1875	Optical Image Processing Using Liquid Crystal Panels. <b>1992</b> , 31, L349-L351		1
1874	Alignment Layers for Ferro and Antiferroelectric Liquid Crystal Cells. <b>1992</b> , 31, 3934-3939		4
1873	Antiferroelectric Switching in Polymer-Dispersed Liquid Crystals. <b>1992</b> , 31, L1083-L1085		11
1872	Electrically induced mechanical vibrations of a surface stabilized ferroelectric liquid crystal cell. <b>1992</b> , 129, 19-30		2
1871	Double modulation FTIR spectroscopy of ferroelectric liquid crystals under electric field. <b>1992</b> , 129, 43-53		1
1870	Thermotropic Side Chain Liquid Crystal Polymers. <b>1992</b> , 349-406		5

1869 Liquid Crystals Over Silicon Integrated Circuitry.

1868 Method to obtain uniform bookshelf textures in smectic C\* liquid crystals. *Applied Physics Letters*, **1992**, 60, 2622-2624 3-4 19

1867 Dielectric relaxation in a high-tilt-angle chiral-nematic-smectic-C\* ferroelectric liquid crystal. **1992**, 45, 7282-7287 16

1866 Soft-mode dielectric anomaly of a chiral smectic-B liquid crystal with sign reversal in the electroclinic response. **1992**, 45, R5362-R5365 3

1865 Field-Induced Phase Transition in an Antiferroelectric Liquid Crystal. **1992**, 31, 3182-3185 7

1864 Submicrometer modification of polymer surfaces with a surface force microscope. *Applied Physics Letters*, **1992**, 61, 657-659 3-4 92

1863 Smectic layer orientation during switching of surface stabilized cells filled with fluorinated ferroelectric liquid crystals. **1992**, 71, 664-669 2

1862 Local layer structure of the steep field line defect in surface-stabilized ferroelectric liquid crystal cells. *Liquid Crystals*, **1992**, 12, 891-904 2.3 12

1861 Ferroelectric liquid crystal modulator using twisted smectic structure. *Applied Physics Letters*, **1992**, 60, 280-282 3-4 54

1860 N,N'-Disubstituted Naphthyl(Azo)-2,3-Dihydroperimidine Blue Dyes Exhibiting High Solubility in Ferroelectric Liquid Crystal Hosts. **1992**, 220, 167-175 1

1859 Addressing schemes for ferroelectric liquid crystal matrix displays. **1992**, 132, 293-307 4

1858 Orientational plasticity at a smectic-liquid-crystal-anisotropic-solid interface. **1992**, 45, R6981-R6984 11

1857 Boundary layer elasto-optic switching in ferroelectric liquid crystals. *Applied Physics Letters*, **1992**, 60, 1954-1956 3-4 3

1856 Spontaneous transition from chevron to striped texture of a planar smectic-C\* liquid crystal. **1992**, 45, 5674-5679 25

1855 Investigation of Methods for Molecular Alignment in Nematic and Smectic Liquid Crystal Displays. **1992**, 215, 137-143 3

1854 Smectic Liquid Crystal Polarization Interference Filters. **1992**, 223, 123-132

1853 Models of Molecular Orientation in Surface-Stabilized Ferroelectric Liquid Crystals with High-Pretilt Aligning Film. **1992**, 31, 852-857 20

1852 Uniformly Aligned Ferroelectric Liquid Crystal Cell Applied to a Light Valve. **1992**, 222, 189-194 1

1851	Advances and Problems in the Development of Ferroelectric Liquid Crystal Displays. <b>1992</b> , 215, 57-72		15
1850	The effect of the biaxial permittivity tensor and tilted layer geometries on the switching of ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1992</b> , 11, 365-371	2.3	31
1849	X-ray studies on layer structure and bistability in ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1992</b> , 11, 101-109	2.3	25
1848	Dielectric and Electrooptic Properties of a Switchable Ferroelectric Liquid Crystalline Side Chain Polymer. <b>1992</b> , 214, 125-141		7
1847	Synthesis and Properties of Phenyl Cyclohexyl Ferroelectric Liquid Crystals. <b>1992</b> , 220, 87-97		3
1846	New Optically Active Dopants Based on Chiral Dioxanes. <b>1992</b> , 213, 259-267		16
1845	On the Layer Dynamics in Smectic Phases. I. <b>1992</b> , 61, 4390-4399		7
1844	Study of the molecular tilt angle and the order parameter of a ferroelectric liquid crystal mixture using IR spectroscopy. <i>Liquid Crystals</i> , <b>1992</b> , 12, 1005-1012	2.3	33
1843	Eol13: Ferroelectric polymer liquid crystals. <b>1992</b> , 133, 15-20		2
1842	Structures and Physical Properties of Ferroelectric Liquid Crystals. <b>1992</b> , 65, 427-434		
1841	Synthesis and Electro-Optical Properties of Silicon-Containing Chiral Cyanocyclopropanes and $\beta$ -Lactones as Dopants for Ferroelectric Liquid Crystals. <b>1992</b> , 21, 2047-2050		7
1840	New Optically Active 4,4-Dialkyl- $\beta$ -Lactones as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1992</b> , 21, 567-570		5
1839	Ferroelectric liquid crystal cell having gray scale for high-speed spatial light modulator. <b>1992</b> ,		2
1838	Rotational viscosity of ferroelectric liquid-crystalline polysiloxanes. <i>Liquid Crystals</i> , <b>1992</b> , 12, 147-155	2.3	17
1837	The Domain Mode in Ferroelectric Liquid Crystals a Novel Electrooptical Process. <b>1992</b> , 247, 209		3
1836	Studies on Ferroelectric Liquid Crystal Tolan Derivatives Designed for Nonlinear Optical Applications. <b>1992</b> , 277, 205		9
1835	A study of the electro-optical response of ferroelectric smectic C* mixtures. <b>1992</b> , 132, 87-97		7
1834	Observation of Dielectric Biaxiality in a Ferroelectric Liquid Crystal by the Excitation of Optic Modes. <b>1992</b> , 220, 99-104		5

1833	Linear electro-optic effects in polymer-dispersed ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>1992</b> , 60, 3093-3095	3.4	81
1832	The synthesis and transition temperatures of some trans-4-alkylcyclohexylethyl-substituted 2,3-difluorobiphenyls. <i>Liquid Crystals</i> , <b>1992</b> , 11, 531-546	2.3	59
1831	Synthesis and properties of new ferroelectric liquid-crystalline compounds having a tolane rigid core and an optically active alkyl sulphinate group. <i>Liquid Crystals</i> , <b>1992</b> , 12, 347-353	2.3	5
1830	Domain mode A novel relaxation process in ferroelectric liquid crystals. <b>1992</b> , 132, 99-114		64
1829	Implementation of an optical crossbar network based on directional switches. <i>Applied Optics</i> , <b>1992</b> , 31, 2446-51	1.7	7
1828	Applications of binary and analog hydrogenated amorphous silicon/ferroelectric liquid-crystal optically addressed spatial light modulators. <i>Applied Optics</i> , <b>1992</b> , 31, 3908-16	1.7	8
1827	Gray scale response from optically addressed spatial light modulators incorporating surface-stabilized ferroelectric liquid crystals. <i>Applied Optics</i> , <b>1992</b> , 31, 3937-44	1.7	7
1826	Ferroelectric liquid-crystal spatial light modulator achieving bipolar image operation and cascability. <i>Applied Optics</i> , <b>1992</b> , 31, 6859-68	1.7	20
1825	Stripe electrodes for an electrically controlled gray scale in ferroelectric liquid-crystal devices. <b>1992</b> , 17, 366-8		
1824	Infrared linear diattenuation and birefringence spectra of ferroelectric liquid crystals. <b>1992</b> , 17, 447-9		13
1823	Electrically tunable ferroelectric liquid-crystal Fabry-Perot filter. <b>1992</b> , 17, 456-8		24
1822	Spatial light modulators using ferroelectric liquid crystal. <b>1992</b> , 24, 1151-1163		27
1821	Field-effect liquid-crystal displays and liquid-crystal materials: key technologies of the 1990s. <b>1992</b> , 13, 11-34		59
1820	Test method in voltage contrast mode using liquid crystals. <b>1992</b> , 32, 1605-1613		4
1819	Hybrid optical bistability in ferroelectric liquid crystal and its dynamic characteristics. <b>1992</b> , 75, 33-42		2
1818	Ferroelectric polymers. <b>1992</b> , 41, 1-57		257
1817	Induktion von Ferroelektrizität in Polymersystemen durch Wasserstoffbrückenbindungen. <b>1992</b> , 104, 1545-1547		9
1816	Ferroelectric liquid crystals in high information content displays. <b>1992</b> , 4, 189-197		20

1815	Ferroelectric Liquid Crystals with an alkanoyl group. <b>1993</b> , 5, 167-171	2
1814	Driving waveforms of partial writing scheme for FLC. <b>1993</b> , 14, 139-143	0
1813	Liquid crystal displays—n overview. <b>1993</b> , 14, 67-73	14
1812	Fast, high-contrast ferroelectric liquid crystal displays and the role of dielectric biaxiality. <b>1993</b> , 14, 86-93	61
1811	The theoretical design and fabrication of a prism-coupled polarization conversion ferroelectric liquid crystal light modulator. <b>1993</b> , 230, 217-224	
1810	Application of an optically addressed spatial light modulator to real-time speckle photography. <b>1993</b> , 101, 311-316	11
1809	Studies of thin smectic C* films by X-ray reflectivity. <b>1993</b> , 200, 730-742	1
1808	Enantioselective synthesis of chiral liquid crystalline compounds from monoterpenes. <b>1993</b> , 49, 619-638	20
1807	Unsymmetrically 1,1'-disubstituted ferrocene-containing thermotropic liquid crystals.. <b>1993</b> , 34, 3293-3296	23
1806	Synthese und ferroelektrische Eigenschaften einer homologen Serie chiraler 2,5-Diphenylpyrimidine. <b>1993</b> , 335, 549-554	3
1805	Photochemical switching of polarization in ferroelectric liquid-crystal films. <b>1993</b> , 361, 428-430	252
1804	An optical neuron device capable of optical parallel operations and all-optical neural networks. <b>1993</b> , 76, 1-9	
1803	Fluoroalkyl-substituted phenylpyrimidines as chiral dopants for ferroelectric liquid crystals. <b>1993</b> , 148, 147-152	3
1802	Synthesis and Properties of Optically Active Phenoxypropionates Having Various Cores. <b>1993</b> , 226, 7-12	6
1801	Trifluoromethylated pyranose derivatives as the chiral dopant for ferroelectric liquid crystals. <b>1993</b> , 148, 85-102	18
1800	Synthesis and properties of optically active 1,3-diols and their derivatives as chiral dopants for ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1993</b> , 14, 727-732	2,3 16
1799	Synthesis and Properties of Optically Active Phenoxypropionates. Effect of Halogeno Substituent in the Core on Physical Properties. <b>1993</b> , 237, 399-406	4
1798	The influence of double bonds in the terminal chain of 2-ring compounds on the physical properties of S*c mixtures. <i>Liquid Crystals</i> , <b>1993</b> , 14, 713-725	2,3 14

1797	Optoelectronic array that computes error and weight modification for a bipolar optical neural network. <i>Applied Optics</i> , <b>1993</b> , 32, 1290-6	1.7	7
1796	Optical competitive learning with, VLSI/liquid-crystal winner-take-all modulators. <i>Applied Optics</i> , <b>1993</b> , 32, 1408-35	1.7	17
1795	Phase stability of ferroelectric liquid crystals upon repeated switching and static temperature characteristics. <i>Applied Optics</i> , <b>1993</b> , 32, 3720-5	1.7	6
1794	Photoaddressed spatial light modulator using transmissive and highly photosensitive amorphous-silicon carbide film. <i>Applied Optics</i> , <b>1993</b> , 32, 6493-500	1.7	12
1793	Vibrational Studies on the Dynamics of Switching between the Surface-Stabilized States of a Ferroelectric Liquid Crystal by Asynchronous Time-Resolved Fourier Transform Infrared Spectroscopy. <b>1993</b> , 47, 1370-1375		28
1792	. <b>1993</b> , 29, 613-618		10
1791	. <b>1993</b> , 29, 699-714		119
1790	Synthesis and Characterization of Chiral Smectic Side-Chain Liquid Crystalline Polysiloxanes Containing 2,5-Disubstituted-1,3-Dioxane Based Mesogenic Side Groups. <b>1993</b> , 237, 223-234		6
1789	The synthesis and mesomorphic properties of some novel fluorinated ferroelectric liquid crystals. <b>1993</b> , 148, 129-138		14
1788	Synthesis and Mesomorphic Properties of Ferroelectric Liquid Crystals Bearing 6-Phenyl-1,2,4-Triazine Rings. <b>1993</b> , 237, 319-328		2
1787	Synthesis and Mesomorphic Properties of Ferroelectric Liquid Crystals Bearing 2-Phenyl-1,3,4-Thiadiazole Rings. <b>1993</b> , 237, 33-38		9
1786	Chiral 2,2-disubstituted oxirane ethers and carboxylic esters. New ferroelectric liquid crystals and dopants for induced ferroelectric phases. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1295-1302	2.3	5
1785	Ferroelectric liquid crystals containing a 2(S)-[2(S)-methylbutoxy]propionyloxy unit. <i>Liquid Crystals</i> , <b>1993</b> , 13, 765-773	2.3	12
1784	The properties of phenyl cyclohexyl ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1993</b> , 13, 701-710	2.3	
1783	A novel class of materials for ferroelectric liquid crystals containing siloxy chain end groups. <i>Liquid Crystals</i> , <b>1993</b> , 13, 283-294	2.3	20
1782	2-[4-Alkenyloxy)phenyl]-5-alkylpyrimidines The relationship between position and nature (E/Z) of the double bond and transition temperatures. <i>Liquid Crystals</i> , <b>1993</b> , 14, 675-698	2.3	27
1781	Ferroelectric liquid crystal driving method for optical switching devices in communication networks. <b>1993</b> , 149, 159-169		1
1780	Stroboscopic microscopy of ferroelectric liquid crystals. <i>Physical Review E</i> , <b>1993</b> , 48, 2043-2054	2.4	13

1779	The relationship between liquid crystal alignment in the nematic and smectic C* phases. <i>Liquid Crystals</i> , <b>1993</b> , 15, 429-433	2.3	5
1778	Analysis of ions in ferroelectric liquid crystals from hysteresis curves. <b>1993</b> , 149, 319-331		1
1777	Domain structures in ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1055-1060	2.3	5
1776	The mountain defect. A new kind of planar defect in surface stabilized smectic C liquid crystals. <i>Liquid Crystals</i> , <b>1993</b> , 15, 417-427	2.3	3
1775	Thin and ultra thin smectic C* films: An X-ray reflectivity study. <b>1993</b> , 149, 35-46		6
1774	A new set of high speed matrix addressing schemes for ferroelectric liquid crystal displays. <i>Liquid Crystals</i> , <b>1993</b> , 13, 597-601	2.3	22
1773	Photomechanically induced phase transitions in ferroelectric liquid crystals. <b>1993</b> , 147, 223-240		7
1772	The synthesis and high optical birefringence of nematogens incorporating 2,6-disubstituted naphthalenes and terminal cyano-substituent. <i>Liquid Crystals</i> , <b>1993</b> , 15, 123-150	2.3	188
1771	Introduction. <b>1993</b> , 1, 247		3
1770	Introduction. <b>1993</b> , 1, 269		
1769	Introduction. <b>1993</b> , 1, 277		
1768	Introduction. <b>1993</b> , 1, 283		1
1767	Introduction. <b>1993</b> , 1, 295		22
1766	Chirality in liquid crystals. The remarkable phenylpropiolates. <i>Liquid Crystals</i> , <b>1993</b> , 14, 37-66	2.3	80
1765	New display mode of ferroelectric liquid crystals with large tilt angle. <b>1993</b> , 149, 171-181		2
1764	The optical tensor configuration in a surface stabilized ferroelectric liquid crystal determined by using half leaky guided modes. <i>Liquid Crystals</i> , <b>1993</b> , 13, 1-11	2.3	36
1763	Direct observation of local layer structure defects in a surface stabilized ferroelectric liquid crystal using synchrotron X-ray micro-diffraction. <b>1993</b> , 149, 117-124		18
1762	Are short-pitch bistable ferroelectric liquid crystal cells surface stabilized?. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1079-1086		5

1761	Phase transitions in ferroelectric liquid crystals in a restricted geometry. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1587-1598		26
1760	Surface alignment of ferroelectric liquid crystals using polyimide, polyamide-imide and polyamide layers and their effect on pre-tilt angle. <i>Liquid Crystals</i> , <b>1993</b> , 13, 153-161	2.3	10
1759	TGBA phase in chiral two ring derivatives. <b>1993</b> , 147, 181-191		19
1758	Infrared atr study on surface induced FLC alignment: Cell-gap dependence. <b>1993</b> , 147, 435-440		2
1757	Theoretical studies of the influence of backflow on the dynamical behaviour of a Fredericks transition of a ferroelectric smectic C* liquid crystal in the bookshelf geometry. <i>Liquid Crystals</i> , <b>1993</b> , 15, 461-477	2.3	21
1756	Linear and non-linear liquid crystal materials, electro-optical effects and surface interactions. Their application in present and future devices. <i>Liquid Crystals</i> , <b>1993</b> , 14, 73-104	2.3	96
1755	Calculation of chevron profiles in ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1269-1282	2.3	25
1754	Measurements of polarization reversal current of a ferroelectric liquid crystalline polymer. <i>Liquid Crystals</i> , <b>1993</b> , 13, 721-728	2.3	6
1753	Study of molecular orientational states of ferroelectric liquid crystals in a surface stabilized geometry. <i>Liquid Crystals</i> , <b>1993</b> , 15, 669-687	2.3	15
1752	Synthesis and mesomorphic properties of a new ferroelectric liquid crystal with 2-alkoxypropionate chiral groups. <b>1993</b> , 148, 103-110		33
1751	A set of matrix addressing waveforms for the -V <sub>min</sub> mode in ferroelectric liquid crystal displays. <b>1993</b> , 149, 353-360		3
1750	Phase transitions in ferro-electric liquid crystal dobambc by density. <b>1993</b> , 141, 287-296		9
1749	Smectic C phenylpyridines with an alkenyloxy chain. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1169-1180	2.3	18
1748	Measurement method of dielectric permittivities of ferroelectric liquid crystal based on molecular orientational models. <b>1993</b> , 147, 327-349		4
1747	Guided wave study of the optical tensor configuration in FLC cells. <b>1993</b> , 149, 87-96		1
1746	Ferroelectric liquid crystal device using the E <sub>V</sub> MIN mode. <b>1993</b> , 149, 183-192		11
1745	Linear optical switching in a FLC/waveguide composite device. <i>Liquid Crystals</i> , <b>1993</b> , 14, 381-387	2.3	7
1744	Smectic A twist grain boundary phase in three new series with chiral (L) lactic acid derivatives. <i>Liquid Crystals</i> , <b>1993</b> , 15, 479-495	2.3	34

1743	Twisted smectic structure for gray scale modulator. <b>1993</b> , 149, 193-205		21
1742	New low molar mass organosiloxanes with unusual ferroelectric properties. <i>Liquid Crystals</i> , <b>1993</b> , 15, 739-744	2.3	58
1741	Ferroelectric liquid crystal spatial light modulators and their applications. <b>1993</b> , 149, 245-254		2
1740	Side-chain liquid crystalline polysiloxanes containing a cyanohydrin chiral centre. <i>Liquid Crystals</i> , <b>1993</b> , 15, 497-511	2.3	10
1739	Electromechanical effect in an antiferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>1993</b> , 14, 453-461	2.3	1
1738	An addressing effective computer model for surface stabilized ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , <b>1993</b> , 15, 819-834	2.3	17
1737	Ferroelectric liquid crystal materials synthesized from 2(S)-[2(S)-methylbutyloxy]propanol. <i>Liquid Crystals</i> , <b>1993</b> , 14, 661-666	2.3	7
1736	Two different temperature dependencies of the cone angle in SSFLC cells. <b>1993</b> , 149, 1-13		1
1735	On the dynamics of ferro- and antiferro-electric liquid crystals. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1763-1784	2.3	18
1734	Invited Lecture. Ferroelectric liquid crystalline polymers and related model compounds with a low/moderate degree of polymerization. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1255-1267	2.3	24
1733	Computer simulation of the electro-optical switching process in ferroelectric liquid crystal cells with bookshelf geometry. <i>Liquid Crystals</i> , <b>1993</b> , 14, 389-404	2.3	6
1732	Experimental Study of Nonlinear Dielectric Relaxation Spectra of Ferroelectric Liquid Crystals in the Smectic C*Phase. <b>1993</b> , 32, 4571-4577		34
1731	Transient Light Scattering in Antiferroelectric Liquid Crystal. <b>1993</b> , 32, L1549-L1552		3
1730	Tristable Switching in SmO* of 1-Methylheptyl-Terephthalidene-Bis-Aminocinnamate (MHTAC) and Its Miscibility with SmCA* of Antiferroelectric Chiral Smectic Liquid Crystal. <b>1993</b> , 32, 4605-4610		9
1729	Dynamic Response of Surface-Stabilized Ferroelectric Liquid Crystals with Chevron Layer Structure. <b>1993</b> , 32, 5041-5051		21
1728	Hydrogenated Amorphous Silicon Carbide Photoreceptor for Photoaddressed Spatial Light Modulator. <b>1993</b> , 32, 590-599		20
1727	Layer Structure and Electrical Properties of Stripe-Shaped Domains Observed in the Initial Alignment State of Surface-Stabilized Ferroelectric Liquid Crystals. <b>1993</b> , 32, L604-L606		11
1726	Second-Harmonic Generation in Ferroelectric Liquid Crystalline Polymer. <b>1993</b> , 32, L852-L855		8

1725	Electrical and Optical Properties of Conducting Polymer-Ferroelectric Liquid Crystal Composite. <b>1993</b> , 32, 4348-4351		5
1724	Electro-optics of polymer dispersed ferroelectric liquid crystals. <b>1993</b> , 143, 271-276		14
1723	Hexatic antiferroelectric SmIA * phase in MHPOCBC. <b>1993</b> , 147, 135-146		15
1722	A new series of low molar mass ferroelectric organosiloxanes with unusual electro-optic properties. <b>1993</b> , 148, 379-387		26
1721	Ferroelectricity in a Langmuir-Blodgett multilayer film of a liquid crystalline side-chain polymer. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 1285-1287	3-4	13
1720	Symmetric switching in strong anchoring surfaces of large-core-angle ferroelectric liquid crystal. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 3441-3443	3-4	7
1719	Photochemical switching of polarization in ferroelectric liquid crystals: Effect of structure of host FLCs. <b>1993</b> , 149, 343-351		19
1718	A model for the chevron structure obtained by cooling a smectic A liquid crystal in a cell of finite thickness. <i>Liquid Crystals</i> , <b>1993</b> , 13, 101-113	2-3	31
1717	Polyimides with Fluorinated Side Chains for Liquid Crystal Alignment. <b>1993</b> , 225, 99-105		12
1716	Investigation of the soft-mode relaxation in a ferroelectric liquid crystal with picosecond laser-induced dynamic gratings. <b>1993</b> , 70, 2746-2749		7
1715	Ordering effects in thin smectic-C* films: An x-ray-reflectivity study. <i>Physical Review E</i> , <b>1993</b> , 48, 2713-2720		25
1714	Second harmonic generation in ferroelectric liquid crystals and their mixtures. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1021-1032	2-3	13
1713	Pressure dependence of the electro-optic response function in partially exposed polymer dispersed ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 21-23	3-4	5
1712	Bistability of ferroelectric liquid crystal in electric field. <b>1993</b> , 141, 189-195		3
1711	4-(5-Alkyl-2-pyridinyl)phenyl alkanooates: Some novel smectic materials for display devices. <i>Liquid Crystals</i> , <b>1993</b> , 14, 699-712	2-3	10
1710	Novel Polarimetric Technique Exploring Spatiotemporal Birefringent Response of an Anti-ferroelectric Liquid Crystal Cell. <b>1993</b> , 40, 1713-1723		5
1709	Electroclinic materials with large induced tilt angles. <b>1993</b> , 148, 425-434		24
1708	Decrease in apparent viscosity in electric fields found in chiral smectic liquid crystals. <b>1993</b> , 147, 395-409		20

1707	Ionic effects in LCDs. <b>1993</b> ,	2
1706	Preparation and Properties of Ferroelectric Liquid-Crystalline Polysiloxanes Possessing (S)-(P)-4-(2-methylbutyloxycarbonyl)phenyl 4'-(5-hexyloxy)biphenyl-4-carboxylate as Side Chain Mesogen Unit. <b>1993</b> , 25, 863-872	5
1705	Liquid-Crystal Displays and Their Technological Trends. <b>1993</b> , 66, 540-549	
1704	Ferroelectric Liquid Crystals Having Various Cores. Effect of Core Structure on Physical Properties. <b>1993</b> , 66, 568-572	8
1703	Synthesis and Electro-Optical Properties of 3-Fluoroalkyl-Substituted Phenylpyrimidines as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1993</b> , 22, 1243-1246	16
1702	Introduction. <b>1993</b> , 1, 255	1
1701	Fast switching ferroelectric liquid-crystalline polymers. <b>1993</b> , 69, 87-98	20
1700	Coupled Director and Layer Reorientation in Layer Tilted Ferroelectric Smectic Liquid Crystal Cells. <b>1993</b> , 237, 121-143	12
1699	Thin-film photosensor design and fabrication issues for liquid-crystal spatial-light modulators. <b>1993</b> , 2022, 98	1
1698	A novel surface-stabilized monostable ferroelectric LCD. <b>1993</b> , 1, 163	1
1697	A high-contrast multiplexed dot-matrix FELCD using naphthalene-based FELC and conductive polymer films for orientation. <b>1993</b> , 1, 51	2
1696	Formation of highly oriented films by epitaxial crystallization on polymeric substrates. <b>1993</b> , 32-38	6
1695	Broad Temperature Range of Chiral Smectic C Phase in Some Ferroelectric Side-Chain Liquid Crystalline Polysiloxanes Containing Oligooxyethylene Spacers. <b>1993</b> , 328, 697	
1694	The Relaxation in Ferroelectric Liquid Crystals. <b>1993</b> , 97, 1237-1241	19
1693	Chiral liquid crystalline polymers: Recent issues and perspectives. <b>1993</b> , 69, 61-64	11
1692	The Domain Mode in a Single Component Ferroelectric Liquid Crystal Dielectrical and Electrooptical Investigations. <b>1993</b> , 97, 1247-1251	10
1691	Atomic-detail simulation studies of tilted smectics. <b>1994</b> , 6, A261-A268	18
1690	Structure-property relationships in dopant-induced ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1994</b> , 16, 95-104	2.3 14

1689	Chiral Liquid Crystalline Polymers: Recent Trends and Perspectives in Synthesis and Electrooptical Applications. <b>1994</b> , 254, 17-36		5
1688	Optical Characterisation of a Homeotropically Aligned Ferroelectric Liquid Crystal Using Half Leaky Guided Modes. <b>1994</b> , 250, 143-152		8
1687	Properties of higher-ordered ferroelectric liquid crystal phases of a homologous series. <i>Liquid Crystals</i> , <b>1994</b> , 17, 243-261	2.3	24
1686	Pyroelectric properties of polymeric liquid crystal systems. <b>1994</b> , 156, 167-172		3
1685	2-(4-Alkylphenyl)-5-(alkenyloxy)pyrimidines: Synthesis, liquid crystal transition temperatures and some physical properties. <i>Liquid Crystals</i> , <b>1994</b> , 16, 813-829	2.3	14
1684	Evidence of electroclinic effect in some TGBA mesophases. <i>Liquid Crystals</i> , <b>1994</b> , 17, 291-297	2.3	6
1683	Twisting Transition in a Capillary Filled with Chiral Smectic C Liquid Crystal. <b>1994</b> , 238, 167-177		7
1682	Relationship between Molecular Structure and Induced Spontaneous Polarization for Chiral Dopants Containing an Optically Active Lactone. <b>1994</b> , 250, 247-256		6
1681	Stressed states in domain switching of ferroelectric liquid crystal devices. <i>Liquid Crystals</i> , <b>1994</b> , 17, 23-30.	2.3	9
1680	Structure-property relationships of diluted ferroelectric polysiloxanes. <i>Liquid Crystals</i> , <b>1994</b> , 16, 749-767	2.3	43
1679	TGB A* state in a homologous series of diarylethane chloroester ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1994</b> , 17, 17-22	2.3	29
1678	Polymer-dispersed liquid crystals From the nematic curvilinear aligned phase to ferroelectric films. <i>Liquid Crystals</i> , <b>1994</b> , 16, 1-31	2.3	223
1677	Electric Field Response of Ferroelectric Liquid Crystal Molecules Investigated by Optical Transmission and Surface Plasmon Polariton Resonance Methods. <b>1994</b> , 241, 175-185		2
1676	Novel fluorinated liquid crystals. II. The synthesis and phase transitions of a novel type of ferroelectric liquid crystals containing 1,4-tetrafluorophenylene moiety. <i>Liquid Crystals</i> , <b>1994</b> , 16, 445-451.	2.3	22
1675	Synthesis and properties of new chiral dopants containing a lactone ring for practical ferroelectric liquid crystal mixtures. <i>Liquid Crystals</i> , <b>1994</b> , 17, 729-739	2.3	8
1674	Novel Fluorinated Liquid Crystals. Part IV. The Synthesis and Phase Transition of 4-(n-Alkoxy-carbonyl)phenyl 4-[(4-(s)-2-Methylbutoxy-2,3,5,6-tetrafluorophenyl)ethynyl]benzoates. <b>1994</b> , 241, 243-248		8
1673	Polyimide, Polyamide-Imide and Polyamide Alignment Layers for Antiferroelectric Liquid Crystal Display Cells and Their Structural Effect on Hysteresis Behavior. <b>1994</b> , 239, 11-25		5
1672	Application of Antiferroelectric Liquid Crystals for Display and Photoaddressed Spatial Light Modulator. <b>1994</b> , 255, 253-259		2

1671	Broadband Dielectric Spectroscopy on Ferroelectric Liquid Crystalline Polymers. <b>1994</b> , 254, 49-60	5
1670	Thin-film photosensor design for liquid crystal spatial light modulators. <b>1994</b> , 33, 1322	13
1669	Influence of Deformation of Smectic Layer Structure on Dielectric Behavior of Ferroelectric Liquid Crystal. <b>1994</b> , 33, L241-L243	5
1668	Physics and Electronic Model of Deformed Helix Ferroelectric Liquid Crystal Displays. <b>1994</b> , 33, 4950-4959	26
1667	Gray-Scale Characteristics in High-Tilt-Angle Ferroelectric Liquid Crystal. <b>1994</b> , 33, L41-L42	3
1666	Dielectric Dispersion in Ferrielectric Phase of Antiferroelectric Liquid Crystal. <b>1994</b> , 33, L1096-L1099	35
1665	Analysis of Charge-Controlled Gray Scale in Ferroelectric Liquid Crystal Optically Addressed Spatial Light Modulator. <b>1994</b> , 33, 3469-3477	2
1664	Diffraction Characteristics of Ferroelectric Liquid Crystal Grating. <b>1994</b> , 33, 5747-5754	11
1663	Alignment of Surface-Stabilized Ferroelectric Liquid Crystal by the Self-Assembled Monolayers of Amphiphilic Diacetylene Derivatives. <b>1994</b> , 33, 295-301	7
1662	Ferroelectric Liquid Crystal Mixtures Containing Chiral Pyranose Compounds for Response-Voltage Minimum Mode. <b>1994</b> , 33, 1096-1100	15
1661	Study of Layer Relaxations of Chevrons in SmC*Phase. <b>1994</b> , 33, 6255-6261	13
1660	Thermal grating diffusion in rather thin liquid crystal films. <b>1994</b> , 27, 567-570	5
1659	Video Rate Operation in High-Speed Smectic Liquid Crystal Light Modulator. <b>1994</b> , 33, 4666-4672	6
1658	Unique Electric Field Dependence of Apparent Tilt Angle in Ferroelectric Liquid Crystal Mixtures Consisting of Fluorine-Substituted Compounds. <b>1994</b> , 33, L1103-L1105	
1657	Novel Switching with Gray Scale in Surface-Stabilized Ferroelectric Liquid Crystal Devices. <b>1994</b> , 33, 1972-1976	2
1656	Holding Characteristic of Dark State in Antiferroelectric Liquid Crystal. <b>1994</b> , 33, 5494-5497	3
1655	Optical second-harmonic generation during switching in a ferroelectric liquid-crystal cell. <i>Physical Review E</i> , <b>1994</b> , 50, 3766-3773	2.4 10
1654	Bistability in polymer-dispersed ferroelectric liquid crystals. <b>1994</b> , 75, 710-716	59

1653	Electrically controlled continuous tilt of optical axis in ferroelectric chiral smectic liquid crystal cell. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 1065-1067	3.4	1
1652	Optical diffraction in chiral smectic-C liquid crystals. <b>1994</b> , 72, 2863-2866		19
1651	Switching on stray electric fields in ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , <b>1994</b> , 16, 735-748	2.3	
1650	Smectic-A-smectic-C-smectic-C* multicritical point in ferroelectric liquid crystals. <b>1994</b> , 72, 3558-3561		15
1649	On the relationship between electro-optic and dielectric parameters of a smectic C* ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>1994</b> , 17, 741-744	2.3	3
1648	Influence of backflow on the reorientation dynamics of ferroelectric liquid crystals. <i>Physical Review E</i> , <b>1994</b> , 49, 3021-3030	2.4	25
1647	Fast linear electro-optical switching properties of polymer-dispersed ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 718-720	3.4	35
1646	Fast switching ferroelectric liquid crystal side chain polymer. <b>1994</b> , 1, 191-196		1
1645	Synthesis of ferroelectric liquid crystalline polysiloxanes containing (S)-2-methylbutyl 4-alkyloxybiphenyl-4'-carboxylate and (2S, 3S)-2-chloro-3-methylpentyl 4-alkyloxybiphenyl-4'-carboxylate. <b>1994</b> , 1, 321-329		2
1644	Synthesis and X-ray diffraction of ferroelectric liquid crystalline polysiloxanes containing 4'-(2-chloro-3-methylpentanoyloxy)-4-alkanyloxybiphenyl side groups. <b>1994</b> , 33, 159-166		16
1643	Modelling and characterization of ferroelectric liquid crystal displays. <b>1994</b> , 26, S571-S581		
1642	Optical second-harmonic generation in ferroelectric chiral smectic polysiloxane. <b>1994</b> , 59, 601-606		11
1641	The Development of Liquid Crystal Research. <b>1994</b> , 6, 527-528		7
1640	Antiferroelectric liquid crystals. <b>1994</b> , 6, 966-970		25
1639	A high-resolution ferroelectric liquid crystal display. <b>1994</b> , 15, 117-123		2
1638	Polyimide film containing ultra-fine particles. <b>1994</b> , 240, 157-162		10
1637	GaAs-pin/ferroelectric liquid crystal spatial light modulator (GaAs-pin/FLC-SLM) and its applications. <b>1994</b> , 77, 1-14		
1636	Ferroelectric Liquid Crystals. <b>1994</b> , 369-429		14

1635	Twisted grain boundary phases in three new chiral azobenzene series. <i>Liquid Crystals</i> , <b>1994</b> , 17, 863-877	2.3	18
1634	Synthesis and Mesomorphic Properties of Ferroelectric Liquid Crystals Bearing Trans 4-Alkoxy cyclohexylpyrimidines. <b>1994</b> , 239, 113-122		5
1633	High-speed analog refractive-index modulator that uses a chiral smectic liquid crystal. <b>1994</b> , 19, 305-7		12
1632	Continuous view of dc-balanced images on a ferroelectric liquid-crystal spatial light modulator. <b>1994</b> , 19, 1471-3		5
1631	Alignment layers for improved surface-stabilized ferroelectric liquid-crystal devices. <i>Applied Optics</i> , <b>1994</b> , 33, 2608-10	1.7	7
1630	Improving the performance of liquid-crystal-over-silicon spatial light modulators: issues and achievements. <i>Applied Optics</i> , <b>1994</b> , 33, 2768-74	1.7	14
1629	Real-time velocity measurement by the use of a speckle-pattern correlation system that incorporates a ferroelectric liquid-crystal spatial light modulator. <i>Applied Optics</i> , <b>1994</b> , 33, 2785-94	1.7	8
1628	Real-time binary phase holograms on a reflective ferroelectric liquid-crystal spatial light modulator. <i>Applied Optics</i> , <b>1994</b> , 33, 8251-4	1.7	7
1627	Fluoro esters incorporating a cyclohexane ring: some new chiral dopants for ferroelectric mixtures. <b>1994</b> , 4, 1689-1697		9
1626	. <b>1994</b> , 14, 49-60		0
1625	Electro-optic switching behaviour of a novel shortpitch ferroelectric liquid crystal mixture.		
1624	Synthesis, transition temperatures, some physical properties and the influence of linkages, outboard dipoles and double bonds on smectic C formation in cyclohexylphenylpyrimidines. <b>1994</b> , 4, 1673-1688		12
1623	Novel Chiral Dopants Derived from (2S)-2-(6-Hydroxy-2-naphthyl)propionic Acid for Ferroelectric Liquid Crystal Mixtures. <b>1994</b> , 250, 153-160		4
1622	A Study of Defects in SSFLC under a DC Electric Field. <b>1994</b> , 63, 4435-4442		2
1621	Synthesis and Properties of Pyranose Derivatives with Trifluoromethyl Group Used as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1994</b> , 23, 839-842		10
1620	Liquid crystalline side chain polymers consisting of acrylate and 2(S)-[2(S)-methylbutoxy]propionate. <i>Liquid Crystals</i> , <b>1994</b> , 16, 143-150	2.3	1
1619	Naphthalene Base Ferroelectric Liquid Crystal and Its Electrooptical Properties. <b>1994</b> , 243, 77-90		24
1618	Modelling the molecular distribution in chevron FLCs. <i>Liquid Crystals</i> , <b>1994</b> , 17, 397-412	2.3	10

1617	Studies of a Polymer Dispersed Ferroelectric Liquid Crystal. <b>1995</b> , 377, 865		1
1616	Demonstration Set-Up for Fast Switchable Diffraction of Laser Light Using the Computer Controlled Diffraction Grating Based on Ferroelectric Liquid Crystal. <b>1995</b> , 413, 363		4
1615	Long-Range Interactions in Thin Smectic Films on Substrates: X-Ray Reflectivity Studies. <b>1995</b> , 35, 3-11		3
1614	Synthesis and electro-optical properties of some ferroelectric liquid crystalline polymers. <b>1995</b> , 98, 883-893		1
1613	Synthesis and Electro-Optical Properties of Dihydrobenzofurans and Dihydrofuropyridines as Chiral Dopants for Ferroelectric Liquid Crystals. <b>1995</b> , 24, 537-538		4
1612	Novel Ferroelectric Liquid Crystals Derived from Trifluoromethylated Pyranoses Showing Very Large Spontaneous Polarization. <b>1995</b> , 24, 641-642		6
1611	Electroclinic properties of chiral smectic a liquid crystalline polymers and block copolymers. <b>1995</b> , 96, 79-94		4
1610	Anisotropic network stabilized ferroelectric gels. <b>1995</b> , 7, 300-304		41
1609	Ferroelectric and electroclinic properties of the chiral mesogen {Bis-[N-4-(S-(1-Ecitronelloxy)Phenyl-4?-(N-Dodecyloxy)-salicylaldiminato)]Palladium(II)**}. <b>1995</b> , 7, 659-662		18
1608	Chiral liquid crystalline compounds from D-(+)-Glucose. <b>1995</b> , 51, 7373-7388		17
1607	Synthesis and properties of trifluoromethylated chiral dopants for ferroelectric liquid crystals. <b>1995</b> , 30, 5199-5209		9
1606	Elastic parameters of smectic C* liquid crystals. <b>1995</b> , 204, 27-37		3
1605	Recovery of symmetry in FLC devices for useful grey-scale performance. <b>1995</b> , 16, 141-148		3
1604	New LMM Organosiloxanes with Photoisomerising AZO Groups. <b>1995</b> , 260, 107-125		9
1603	Repulsive forces in thin smectic-C* films on substrates. <i>Physical Review E</i> , <b>1995</b> , 51, 799-802	2.4	6
1602	Front propagation into unstable and metastable states in smectic-C* liquid crystals: Linear and nonlinear marginal-stability analysis. <i>Physical Review E</i> , <b>1995</b> , 52, 1773-1777	2.4	29
1601	Computer simulation of domain growth in ferroelectric liquid crystals. <i>Physical Review E</i> , <b>1995</b> , 52, 3904-3914	3.1	8
1600	Horizontal chevron configurations in ferroelectric liquid crystal cells induced by high electric fields. <i>Liquid Crystals</i> , <b>1995</b> , 19, 179-187	2.3	33

1599	Two Dimensional Modelling of Domain Nucleation and Growth in Surface Stabilised Ferroelectric Liquid Crystals. <b>1995</b> , 262, 555-560		2
1598	Mean-field coefficients and the electroclinic effect of a ferroelectric liquid crystal. <i>Physical Review E</i> , <b>1995</b> , 52, 1762-1772	2.4	54
1597	In situ observation of smectic layer reorientation during the switching of a ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>1995</b> , 18, 927-932	2.3	7
1596	Micro x-ray diffraction technique for analysis of the local layer structure in the ferroelectric liquid crystal. <b>1995</b> , 66, 1373-1375		7
1595	Chevron structures in surface-stabilized ferroelectric liquid crystals. <b>1995</b> , 77, 3023-3028		18
1594	Combined interface plasmon polariton and x-ray reflectivity determination of the dielectric tensor in ultrathin liquid crystal films. <b>1995</b> , 78, 3323-3329		3
1593	Dynamic polarized infrared spectroscopy of electric field-induced molecular reorientation in a chiral smectic-A liquid crystal. <b>1995</b> , 75, 2344-2347		41
1592	A Study of Defects in SSFLC Under a DC Electric Field. <b>1995</b> , 263, 179-187		
1591	Dynamics of FLCs with a tilted bookshelf structure using time-resolved FTIR spectroscopy. <i>Liquid Crystals</i> , <b>1995</b> , 19, 653-658	2.3	7
1590	Estimation of the Static Electricity and Optical Retardation Produced by Rubbing Polyimide and Polyamide Films with Different Fabrics. <b>1995</b> , 264, 23-28		75
1589	Alkyl/alkenyloxy phenyl/biphenylpyrimidines: Dependence of the liquid crystal transition temperatures on the position of the nitrogen atoms and the position and configuration of carbon-carbon double bonds. <i>Liquid Crystals</i> , <b>1995</b> , 19, 519-536	2.3	7
1588	Electric Field Response of an Antiferroelectric Liquid Crystal in the Bulk and Boundary Regions. <b>1995</b> , 258, 333-338		1
1587	Phase behaviour and electro-optic characteristics of a polymer stabilized ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>1995</b> , 19, 719-727	2.3	52
1586	Mesomorphic properties of a homologous series of chiral liquid crystals containing the Echloroester group. <i>Liquid Crystals</i> , <b>1995</b> , 19, 151-157	2.3	15
1585	Synthesis of some chiral liquid crystals and study of the effect of intramolecular hydrogen bonding on the phase behaviour. <i>Liquid Crystals</i> , <b>1995</b> , 19, 295-300	2.3	7
1584	Two ferroelectric phases of a columnar dibenzopyrene. <i>Liquid Crystals</i> , <b>1995</b> , 18, 387-399	2.3	58
1583	Continuous Ferroelectric Switching in Twisted Smectic C* Liquid Crystals. <b>1995</b> , 263, 37-47		6
1582	Ferroelectric liquid crystal gels Network stabilized ferroelectric display. <i>Liquid Crystals</i> , <b>1995</b> , 19, 65-76	2.3	64

1581	Study of Molecular Orientational States and Dielectric Properties of Surface Stabilized Ferroelectric Liquid Crystals. <b>1995</b> , 263, 333-375		3
1580	The relationship between the polar anchoring strength and the memory capability of surface-stabilized ferroelectric liquid crystals on rubbed polyimide surfaces. <i>Liquid Crystals</i> , <b>1995</b> , 19, 891-893	2.3	3
1579	X-Ray Diffraction Studies of the Smectic A to Smectic C* Transition within a Surface Stabilised Liquid Crystal Cell. <b>1995</b> , 263, 255-270		9
1578	Shear aligned polymer dispersed ferroelectric liquid crystal devices. <i>Liquid Crystals</i> , <b>1995</b> , 19, 415-419	2.3	21
1577	The technology of the spatial light modulator with films of ferroelectric liquid crystal and amorphous silicon. <b>1995</b> , 167, 249-256		
1576	The first high polarization ferroelectric main chain liquid crystalline polymers. <i>Liquid Crystals</i> , <b>1995</b> , 18, 915-918	2.3	23
1575	Novel frequency dependence of dielectric biaxiality of surface stabilized ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1995</b> , 18, 109-116	2.3	6
1574	Interfacial Molecular Interactions Between Ferroelectric Liquid Crystal and Polyvinylalcohol Films as Probed by Infrared Reflection Absorption Spectroscopy. <b>1995</b> , 264, 1-10		
1573	Guided Optical Waves in a Ferroelectric Liquid Crystal Layer: A Birefringence Analysis of Molecular Orientation on the Switching Process. <b>1995</b> , 264, 99-114		10
1572	Dielectric Properties of a Ferroelectric Liquid Crystal Mixture Under Bias Electric Field. <b>1995</b> , 265, 577-590		9
1571	ELECTRO-OPTICAL EFFECTS. <b>1995</b> , 183-352		6
1570	Polarization Reversal Process and Transient Light Scattering in Polymeric Ferroelectric Liquid Crystal. <b>1995</b> , 34, 5429-5432		
1569	Effects of High Polymer Concentration for Alignment of Liquid Crystal on Rubbed Polyimide Surfaces Containing Trifluoromethyl Moieties. <b>1995</b> , 34, L786-L788		6
1568	X-Ray and Optical Investigations of the Dislocation Domains in Ferroelectric Liquid Crystals. <b>1995</b> , 34, 2404-2410		16
1567	Anisotropic Surface Anchoring Conditions for Gray-Scale Capability in High-Tilt-Angle Ferroelectric Liquid Crystal. <b>1995</b> , 34, 3602-3606		7
1566	Flow Coupled Switching Equations for Surface-Stabilized Ferroelectric Liquid Crystal Cells. <b>1995</b> , 34, 560-565		8
1565	New Bistable Electrooptic Effect in Side-Chain Ferroelectric Liquid Crystalline Polymer. <b>1995</b> , 34, L560-L562		9
1564	Design of Vertical Directional Coupler Switch using Ferroelectric Liquid Crystal (FLC). <b>1995</b> , 16,		

1563	Switching Behavior of Surface Stabilized Ferroelectric Liquid Crystal Devices with Chevron Layer Structure. <b>1995</b> , 263, 161-168		1
1562	Mechanical Vibrations of Smectic Cells Under Fast Field Reversal. <b>1995</b> , 263, 103-111		13
1561	The Thickness Mode Contribution to the Permittivity of Ferroelectric Liquid Crystals. <b>1995</b> , 263, 245-254		14
1560	A study of electro-optic properties for polymer/ferroelectric liquid crystal composite films. <b>1995</b> , 18, 763-769		
1559	Electrohydrodynamic Instabilities in Long Pitch Ferroelectric Sc* Liquid Crystals. <b>1995</b> , 270, 55-60		
1558	Surface alignment of ferroelectric liquid crystal by main chain liquid crystal polymer layers. <b>1995</b> , 71, 2227-2228		1
1557	High-speed liquid-crystal-on-silicon spatial light modulators using high-voltage circuitry. <b>1995</b> , 20, 342-4		7
1556	Light-induced director reorientation through the electroclinic effect and optic axis rotation in a chiral smectic A liquid crystal. <b>1995</b> , 20, 1116-8		5
1555	Hybrid-aligned nematic liquid-crystal modulators fabricated on VLSI circuits. <b>1995</b> , 20, 2222		15
1554	Synthesis and properties of optically active $\beta$ -trifluoromethylbenzyl derivatives for ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1995</b> , 18, 197-205	2.3	10
1553	New Chiral Dopants with an Optically Active Six-membered Ring for Ferroelectric Liquid Crystals. Effect of Direction of the Dipole Moment on Spontaneous Polarization. <b>1995</b> , 258, 291-298		1
1552	Ferroelectric liquid-crystal polarization-control devices with a double-layer cell structure. <i>Applied Optics</i> , <b>1995</b> , 34, 832-7	1.7	3
1551	Joint transform correlator subtracting a modified Fourier spectrum. <i>Applied Optics</i> , <b>1995</b> , 34, 7532-7	1.7	10
1550	Macroscopic theory for the flow behavior of smectic-C and smectic-C* liquid crystals. <i>Physical Review E</i> , <b>1995</b> , 51, 4509-4525	2.4	31
1549	Fast Ferroelectric Liquid-Crystal Electrooptics. <b>1995</b> , 270, 250-250		76
1548	Broad liquid crystalline temperature range of ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1995</b> , 19, 803-806		10
1547	From monomeric to polymeric ferroelectric liquid crystals A comparative study of ferroelectric properties. <i>Liquid Crystals</i> , <b>1995</b> , 18, 811-818	2.3	42
1546	New ferroelectric liquid crystals containing 2(S)-[2(S)-methylbutyloxy]propanol moiety. <i>Liquid Crystals</i> , <b>1995</b> , 18, 457-461	2.3	2

1545	Synthesis and characterization of new series of ferroelectric liquid crystals containing oligooxyethylene spacers. <i>Liquid Crystals</i> , <b>1995</b> , 18, 291-301	2.3	15
1544	Dielectric properties of a surface stabilized ferroelectric liquid crystal in cells of various thickness. <b>1995</b> , 173, 157-170		10
1543	Effect of the Polymer Tilt Angle for Generation of Pretilt Angle in Nematic Liquid Crystal on Rubbed Polyimide Surfaces. <b>1995</b> , 34, L503-L506		116
1542	Dye-containing S*c side-on/end-on copolymers. <i>Liquid Crystals</i> , <b>1995</b> , 18, 903-910	2.3	3
1541	Three-ring phenyl/biphenylpyrimidine esters: dependence of liquid-crystal transition temperatures and other physical properties on the position of the nitrogen atoms and the double-bond configuration. <b>1995</b> , 5, 1335-1343		2
1540	SSFLC optical directional coupler switch with a short device length: a proposal. <b>1995</b> , 13, 2236-2243		9
1539	The Optics of Ferroelectric Liquid Crystals. <b>1995</b> , 42, 19-56		19
1538	Effects of the crystallinity of orientation film and mesogenic core of liquid crystals for pretilt angle generation on rubbed polyimide surfaces. <i>Liquid Crystals</i> , <b>1995</b> , 19, 289-292	2.3	15
1537	Synthesis and Characterization of Bifunctional Liquid-Crystalline Monomers Showing Smectic C Phase. Photopolymerization and Cross-Linking. <b>1996</b> , 8, 382-388		24
1536	Introduction. <b>1996</b> , 4, 19		6
1535	New type of monostability and grey scale generation in FLC cells. <b>1996</b> , 178, 75-85		3
1534	Efficient Synthesis of Optically Pure 1,1,1-Trifluoro-2-alkanols through Lipase-Catalyzed Acylation in Organic Media. <b>1996</b> , 61, 2332-2336		37
1533	Synthesis, Characterization, and Physical Properties of New Ferroelectric Liquid Crystalline Materials: Block Copolymers. <b>1996</b> , 29, 6730-6736		37
1532	Novel Thermally Stable Polymer Materials for Second-Order Nonlinear Optics. <b>1996</b> , 29, 2590-2598		43
1531	Nonlinear Optical Phenomena in the Chiral Smectic A Phase. <b>1996</b> , 282, 67-89		1
1530	Synthesis and mesomorphic properties of fluorinated liquid crystals obtained from optically active 2-fluoro-octanol. <i>Liquid Crystals</i> , <b>1996</b> , 20, 581-586	2.3	31
1529	Ferroelectric liquid-crystal waveguide modulation based on a switchable uniaxial-uniaxial interface. <i>Applied Optics</i> , <b>1996</b> , 35, 3016-30	1.7	21
1528	Measurement of the spatial phase modulation of a ferroelectric liquid-crystal modulator. <i>Applied Optics</i> , <b>1996</b> , 35, 3097-103	1.7	5

1527	Light-induced director axis reorientation in a dye-doped ferroelectric liquid crystal and its application to self-aligned spatial filtering. <b>1996</b> , 13, 1916		13
1526	An investigation into the effect of lateral fluoro substitution in the molecular core on the spontaneous polarization of chiral cyclohexanes. <i>Liquid Crystals</i> , <b>1996</b> , 21, 279-289	2.3	1
1525	Active-matrix deformed-helix ferroelectric liquid crystal displays. <b>1996</b> , 179, 141-152		13
1524	Synthesis and characterization of new ferroelectric liquid crystals containing a phenyl biphenyl carboxylate mesogenic group and oligooxyethylene spacers. <i>Liquid Crystals</i> , <b>1996</b> , 21, 449-459	2.3	11
1523	Liquid crystal photonics: optical switching and image storage by means of nematic liquid crystals and ferroelectric liquid crystals. <b>1996</b> , 81, 289-296		13
1522	Can liquids be macroscopically polar?. <b>1996</b> , 8, 9143-9166		20
1521	Device Applications of Side-Chain Ferroelectric Liquid Crystalline Polymer Films. <b>1996</b> , 273, 909-12		19
1520	Synthesis and characterization of new ferroelectric liquid crystals containing a (2S)-2-[6-(4-hydroxybiphenyl-4?-carbonyloxy)-2?- naphthyl] propionate mesogenic group and oligo(oxyethylene) spacers. <i>Liquid Crystals</i> , <b>1996</b> , 20, 45-57	2.3	8
1519	Supramolecular ferroelectric liquid crystals. Hydrogen-bonded complexes between benzoic acids and chiral stilbazoles. <i>Liquid Crystals</i> , <b>1996</b> , 21, 25-30	2.3	57
1518	Identification of ferroelectric and antiferroelectric phases by the study of polarization hysteresis loops. <b>1996</b> , 178, 195-204		6
1517	Phased array radar control using ferroelectric liquid crystal devices.		2
1516	Studies of ferroelectric properties of novel liquid crystals with tetrafluorophenylene.		
1515	A compact fractal hexagonal 36 by 36 self-routing switch using polarization-controlled VCSEL array holographically interconnected.		
1514	Synthesis of novel liquid crystals having the perfluoropyrrolidino group. <i>Liquid Crystals</i> , <b>1996</b> , 20, 367-371.3		1
1513	Determination of coherence length of a smectic liquid crystal. <i>Liquid Crystals</i> , <b>1996</b> , 21, 727-732	2.3	5
1512	New Chiral Liquid Crystal Compounds: (S)-(+)-4-[4-(Methyl)-1, 3-dioxolan-2-yl]-phenyl-4-n-alkoxybenzoates and 4-n-alkoxycinnamates. <b>1996</b> , 281, 73-78		3
1511	Synthesis of Ferroelectric Liquid Crystalline Polymers by Ring Opening Polymerization. <b>1996</b> , 425, 101		3
1510	Polymerization Effects on the Electro-Optic Properties of a Polymer Stabilized Ferroelectric Liquid Crystal. <b>1996</b> , 425, 197		

- 1509 Synthesis and Physical Properties of New Ferroelectric Liquid Crystals Consisting of 2(S)-[2 (S)-Methylbutyloxy] Propanol. **1996**, 43, 133-137 3
- 1508 Liquid crystal displays using the hybrid alignment method. **1996**, 2650, 142
- 1507 Integrated optoelectronic interconnects using liquid-crystal-on-silicon VLSI. **1996**,
- 1506 Photochemical Switching of Ferroelectric Liquid Crystals Using a Photoswitchable Chiral Dopant. **1996**, 25, 319-320 18
- 1505 Synthesis and Photochemical Switching of the Antiferroelectric Liquid Crystals Containing a Diazenediyl Group. **1996**, 25, 583-584 14
- 1504 Induction of a Ferroelectric SC\* Liquid Crystal Phase by an Atropisomeric Dopant Derived from 4,4-Dihydroxy-2,2-dimethyl-6,6-dinitrobiphenyl. **1996**, 118, 9557-9561 18
- 1503 Bistable light scattering effects in a (side chain liquid crystalline polymer)/(low molecular weight liquid crystal) composite and in a ferroelectric liquid crystalline polymer. **1996**, 3, 257-263
- 1502 Synthesis and characterization of side-chain liquid crystalline polysiloxanes containing (S)-2-methyl-l-butyl [6-(4-alkenyloxyphenyl)-carbonyloxy]naphthylene-2-carboxylate and (S)-2-methyl-l-butyl 6-[(4-alkenyloxy-biphenyl)-4'-carbonyloxy]naphthalene-2-carboxylate side groups. **1996**, 3, 185-191 2
- 1501 Anisotropic networks and gels obtained by photopolymerisation in the liquid crystalline state: Synthesis and applications. **1996**, 21, 1165-1209 99
- 1500 Switchable smectic C\* main chain liquid crystalline polymers. **1996**, 8, 752-756 4
- 1499 Ferroelectric liquid crystalline block copolymers. **1996**, 8, 906-909 5
- 1498 Comparative study of the collective mode dynamics in ferroelectric liquid crystalline monomers and their corresponding copolymers. **1996**, 224, 24-33
- 1497 Dielectric and electro-optical properties of ferroelectric side-chain liquid-crystalline polysiloxanes containing 4'-(2-chloro-3-methylpentanoyloxy)-4-alkanyloxybiphenyl side groups. **1996**, 37, 1095-1101 4
- 1496 Flow-induced high pretilt alignment of liquid crystalline molecules on polymer surface evaluated by optical second-harmonic generation. **1996**, 37, 1501-1505 5
- 1495 Optical computing based on a selector logic. **1996**, 124, 333-344 3
- 1494 Design and characterisation of an optoelectronic neural chip. **1996**, 127, 313-324 1
- 1493 Surface alignment of ferroelectric liquid crystals using side chain ferroelectric liquid crystal polymer. **1996**, 37, 799-804 4
- 1492 Studies on the aggregation behaviour of a side-chain liquid crystalline polymer in Langmuir-Blodgett films. **1996**, 286, 232-236 6

- 1491 Behaviour of goldstone mode in a monostable flc cell. **1996**, 189, 181-187 7
- 1490 The synthesis and properties of chiral smectic C materials for use in high spontaneous polarization mixtures. **1996**, 180, 355-364
- 1489 A backflow effect in smectic C liquid crystals in a bookshelf geometry. *Liquid Crystals*, **1996**, 21, 865-869 2.3 3
- 1488 Switching of surface-stabilized ferroelectric liquid crystal cells by motion of defects. **1996**, 80, 1381-1387 2
- 1487 Novel 2-(4-octylphenyl)pyridin-5-yl alkenoates and alkenoates: Influence of dipoles and chain conformation on smectic C formation. *Liquid Crystals*, **1996**, 20, 77-93 2.3 14
- 1486 Generalized dynamic domain shape calculation in ferroelectric liquid crystals. *Physical Review E*, **1996**, 53, 6074-6079 2.4 4
- 1485 Helix deformation and bistable switching of ferroelectric liquid crystals. **1996**, 79, 1891-1894 21
- 1484 Surface tension of freestanding partially fluorinated liquid-crystal films. *Physical Review E*, **1996**, 53, 1662-1665 2.9
- 1483 Anisotropic-network-stabilized ferroelectric gels for active matrix addressing. **1996**, 79, 8098-8105 17
- 1482 Electric field-induced transition from the twist grain boundary TGBA phase to the tilted smectic SmC\* phase. **1996**, 179, 61-80 12
- 1481 Nature of the smectic-A-smectic-C transition of a partially perfluorinated compound. *Physical Review E*, **1996**, 54, 1584-1591 2.4 17
- 1480 Optical determination of the twist elastic constant of a smectic-C\* liquid crystal. *Physical Review E*, **1996**, 53, 674-680 2.4 10
- 1479 Modulating the spontaneous polarization of a ferroelectric liquid crystal via the photoisomerization of a chiral thioindigo dopant: (R,R)-6,6'-bis(1-methylheptyloxy) thioindigo. *Liquid Crystals*, **1996**, 20, 741-749 2.3 17
- 1478 Effect of the Rubbing Fabric for Surface Liquid Crystal Alignment on Various Orientation Films. **1996**, 275, 37-47 2
- 1477 Interplay between dielectric and ferroelectric couplings in twisted smectic C\* liquid crystals. **1996**, 179, 181-190 4
- 1476 Switching dynamics of first order phase transition FLCs on a polymer rubbed surface. *Liquid Crystals*, **1996**, 20, 641-646 2.3 4
- 1475 The temperature behaviour of a ferroelectric smectic mixture and the detection of ferroelectric switching by NMR. *Liquid Crystals*, **1996**, 21, 203-208 2.3 1
- 1474 Computational Calculations on the Chevron Structures in Ferroelectric Liquid Crystals. **1996**, 275, 155-162 3

1473	FINITE SIZE EFFECTS IN THE DYNAMIC BEHAVIOR OF SMECTIC C* PHASE STUDIED BY LIGHT SCATTERING. <b>1996</b> , 181, 219-226		4
1472	LAYER STRUCTURE IN PROCESSED FERROELECTRIC SIDE-CHAIN LIQUID CRYSTAL POLYMERS. <b>1996</b> , 181, 261-276		1
1471	Twist grain boundary and antiferroelectric smectic C* phases in a new chiral compound. <i>Liquid Crystals</i> , <b>1996</b> , 20, 653-664	2.3	20
1470	Microsecond studies of layer motion in a ferroelectric liquid crystal device. <i>Liquid Crystals</i> , <b>1996</b> , 21, 755-758		13
1469	Pretilt angle inducing mechanisms and surface-stabilized ferroelectric liquid crystals. <b>1996</b> , 178, 87-100		4
1468	Low-Frequency Dielectric Investigations of Smectic-C Tilt Angle. <b>1996</b> , 289, 169-180		9
1467	Half leaky guided wave study of homeotropically aligned ferroelectric liquid crystals. <b>1996</b> , 179, 257-264		2
1466	Crystal structure of (2S, 3S)-4-[2-chloro-3-methyl-pentanoyloxy] biphenyl 4'-undecyloxy-2',3'-difluorobenzoate. <b>1996</b> , 180, 117-126		4
1465	Aligning properties and anchoring strength of Ferroelectric Liquid Crystals. <b>1996</b> , 178, 145-154		4
1464	Comparative studies of the multiplexability of SSFLC devices with respect to alignment characteristics. <b>1996</b> , 178, 41-54		3
1463	An investigation of the dependence on the position and type of dipoles and chain configuration on the smectic mesomorphism of a model biphenyl/phenylpyridine/phenylpyrimidine system. <b>1996</b> , 180, 269-289		4
1462	Synthesis and transition temperatures of novel fluorinated chiral liquid crystals containing 1,4-tetrafluorophenylene units. <i>Liquid Crystals</i> , <b>1996</b> , 21, 65-71	2.3	15
1461	EDGE-ENHANCEMENT WITH FERROELECTRIC LIQUID CRYSTAL SPATIAL LIGHT MODULATORS EXPLOITING DOMAIN WALLS. <b>1996</b> , 181, 121-127		
1460	The influence of sulfur on phenyl propiolates for ferroelectric applications. <b>1996</b> , 180, 291-313		5
1459	Grey level control through thickness variations in antiferroelectric LCD'S. <b>1996</b> , 179, 165-172		2
1458	FERROELECTRIC LIQUID CRYSTAL FIBER WAVEGUIDE. <b>1996</b> , 181, 61-67		14
1457	Structure of surface-stabilized antiferroelectric liquid crystals cells. <i>Liquid Crystals</i> , <b>1996</b> , 21, 397-413	2.3	4
1456	Chiral butadiene-tricarbonyliron liquid crystal complexes; racemates and enantiomers. <i>Liquid Crystals</i> , <b>1996</b> , 21, 291-293	2.3	25

1455	The Effect Of The Position And Configuration Of Carbon-Carbon Double Bonds On The Mesomorphism Of Thermotropic, Non-Amphiphilic Liquid Crystals. <i>Liquid Crystals</i> , <b>1996</b> , 20, 493-515	2-3	37
1454	Cell thickness dependence of dielectric properties of ferroelectric liquid crystal (CS-1022). <i>Liquid Crystals</i> , <b>1996</b> , 20, 303-309	2,3	28
1453	LIGHT SCATTERING IN POLYMERIC FERROELECTRIC LIQUID CRYSTAL. <b>1996</b> , 181, 307-318		1
1452	Microstructural characterization of high temperature ferroelectric liquid crystal polymers. <b>1996</b> , 177, 207-219		1
1451	An optical diffractive method for characterizing ssflc field induced director patterns in the smectic C* phase. <b>1996</b> , 178, 167-176		3
1450	Electrooptic Behavior of Free-Standing Ferroelectric Liquid Crystal Film. <b>1996</b> , 35, L158-L160		10
1449	Characterization of the Local Layer Structure of a Broad Wall in a Surface Stabilized Ferroelectric Liquid Crystal Using Synchrotron X-Ray Micro-Diffraction. <b>1996</b> , 35, 160-167		17
1448	Numerical study of electromagnetic wave propagation in twisted birefringent layers by the spectral moments method. <b>1996</b> , 4, 597-611		5
1447	A Study of High Pretilt Angle Generation in Nematic Liquid Crystal (5CB) on Rubbed Polythiophene Surfaces with Alkyl Chain Lengths. <b>1996</b> , 35, 3531-3532		15
1446	Characteristics of Ultrathin Ferroelectric Liquid Crystal Film and Optical Switching. <b>1996</b> , 35, 5050-5053		14
1445	Molecular orientation and color alternation of surface stabilized ferroelectric liquid crystal cell. <b>1996</b> , 5, 255-263		
1444	The temperature dependence of the anchoring energy threshold of FLC cells with weak surface anchoring. <b>1996</b> , 36, 691-694		3
1443	Evolution of Switching Characteristics from Tristable to V-Shaped in an Apparently Antiferroelectric Liquid Crystal. <b>1997</b> , 36, 3586-3590		50
1442	Photon Correlation Spectroscopy of the Phase Mode in a Ferroelectric Liquid Crystal under a DC Electric Field. <b>1997</b> , 36, L788-L790		
1441	Polarization Measurement of Novel Liquid Crystals with Tetrafluorobiphenylene. <b>1997</b> , 36, 2218-2221		
1440	Suppression of the Hysteresis in a Homeotropic Aligned Ferroelectric Liquid Crystal Film. <b>1997</b> , 36, 2226-2228		
1439	Transient Light Scattering of a Ferroelectric and an Antiferroelectric Liquid Crystal with Short Pitch. <b>1997</b> , 36, 159-164		3
1438	Polymer-Stabilized Ferroelectric Liquid Crystal Devices with Grayscale Memory. <b>1997</b> , 36, 6449-6454		21

1437	Optical Response in a Unique Circular Texture of Freely Suspended Ferroelectric Liquid Crystal Films. <b>1997</b> , 36, 6125-6128		1
1436	Helicoid-Stabilized Tristable Switching in Ferroelectric Liquid Crystal Mixtures with Ultrashort Pitch. <b>1997</b> , 36, L784-L787		15
1435	Relating domain shape to growth velocity anisotropy: Inherent symmetry of the Wulff construction. <i>Physical Review E</i> , <b>1997</b> , 56, 1833-1837	2.4	3
1434	Collective director modes at the transitions to hexatic ferroelectric liquid crystalline phases. <i>Physical Review E</i> , <b>1997</b> , 55, 5633-5640	2.4	8
1433	Dynamics of electric-field-induced molecular reorientation and segmental mobility in the smectic-C* phase of a ferroelectric liquid crystal: Faster reorientation of cores than the alkyl chains revealed by time-resolved infrared spectroscopy. <i>Physical Review E</i> , <b>1997</b> , 56, 3053-3060	2.4	31
1432	Effects of surface topography on formation of defects in SmC* devices explained using an alternative chevron description. <i>Physical Review E</i> , <b>1997</b> , 56, R3769-R3771	2.4	15
1431	Localized states in a nonlinear optical system with a binary-phase slice and a feedback mirror. <b>1997</b> , 56, 1621-1626		16
1430	Temperature induced anchoring transition in nematic liquid crystals with two-fold degenerate alignment. <i>Liquid Crystals</i> , <b>1997</b> , 23, 1-8	2.3	19
1429	Modelling monopolar and bipolar switching in ferroelectric liquid crystal devices using a three variable theory. <i>Liquid Crystals</i> , <b>1997</b> , 22, 525-530	2.3	2
1428	Mechanism of Grayscale Generation in Antiferro-Electric Liquid Crystal Displays. <b>1997</b> , 303, 187-192		2
1427	Alignment of Surface Stabilized Ferroelectric Liquid Crystal Cell on Obliquely Evaporated Silicon Monoxide Film. <b>1997</b> , 300, 263-272		1
1426	Liquid Crystalline Polymer Stabilized FLCs with Conventional Rubbed Polyimide Films or with Photo Alignment Films of Poly(vinyl Cinnamate). <b>1997</b> , 292, 333-343		46
1425	Local Optical Limiting Devices Based on Photoaddressed Spatial Light Modulators, Using Ferroelectric Liquid Crystals. <b>1997</b> , 304, 285-293		2
1424	The Physical Properties of A Series of Antiferroelectric Hetrocyclic Esters. <b>1997</b> , 303, 145-152		17
1423	Uniform bookshelf alignment of chiral smectic C films with guided backflow. <b>1997</b> , 82, 2877-2880		8
1422	Hysteresis and ferroelectric liquid crystal displays. <i>Liquid Crystals</i> , <b>1997</b> , 23, 589-596	2.3	
1421	Experimental determination of Landau-expansion coefficients in ferroelectric liquid crystals. <b>1997</b> , 200, 237-256		25
1420	Optical Switching of Antiferroelectric Liquid Crystal with Azo-Dye Using Photochemically Induced SmC A*-SmC* Phase Transition. <b>1997</b> , 36, L1035-L1037		15

1419	A Pictorial Approach to Helical Macrostructures in Smectic Liquid Crystals. <b>1997</b> , 292, 245-263		26
1418	Modelling of Surface-Stabilized Ferrielectric Liquid Crystal Cells. <b>1997</b> , 304, 345-350		
1417	Orientation of temperature gradient-cooled ferroelectric and antiferroelectric liquid crystals in restricted rectilinear space. <i>Liquid Crystals</i> , <b>1997</b> , 23, 43-50	2.3	4
1416	A Study of Relationship Between the Pretilt Angle and the Polar Anchoring Strength in Nematic Liquid Crystal on Rubbed Polyimide Surfaces. <b>1997</b> , 301, 57-66		7
1415	A study of periodic transitions in smectic C liquid crystals. <b>1997</b> , 30, 891-901		2
1414	Chromatic Properties of Dye Guest-Host Ferroelectric Liquid Crystals. <b>1997</b> , 302, 21-34		2
1413	Effect of a lateral substituent on the mesomorphic properties of ferroelectric side chain liquid crystalline polysiloxanes. <i>Liquid Crystals</i> , <b>1997</b> , 22, 669-677	2.3	14
1412	Aligned Ferroelectric Liquid Crystal/Polymer Network Devices. <b>1997</b> , 302, 423-431		1
1411	Dynamics of the Reorientation of a Ferroelectric Liquid Crystal Under an Electric Field Studied by Time-Resolved Optical Waveguide Spectroscopy. <b>1997</b> , 308, 001-026		
1410	Ferroelectric block copolymers. <b>1997</b> , 117, 175-179		8
1409	Switching of pixels in surface-stabilized ferroelectric liquid crystal cells. <b>1997</b> , 302, 69-77		
1408	Time-Resolved X-Ray Studies of Layer Behaviour During Operation of a Ferroelectric Device. <b>1997</b> , 302, 121-126		3
1407	Polarization reversal current characteristics of horizontal chevron ferroelectric liquid crystal cells. <b>1997</b> , 198, 41-47		1
1406	Time Resolved FT-IR Study of the Switching Dynamics of FLC Devices. <b>1997</b> , 302, 41-46		1
1405	Ordering and mobility of ferroelectric liquid crystal dimer as studied by FT-IR spectroscopy with 2D-IR correlation analysis. <b>1997</b> , 119, 261-268		6
1404	Liquid Crystal Displays. <b>1997</b> , 43, 251-256		
1403	Dynamics of vacancy defects in 2-D crystalline monolayers under chiral smectic thin films studied by scanning tunnelling microscopy. <i>Liquid Crystals</i> , <b>1997</b> , 22, 531-534	2.3	6
1402	Electrically Induced Flows in Ferroelectric Liquid Crystal Films. <b>1997</b> , 292, 293-300		8

- 1401 Synthesis of Liquid Crystalline Polysiloxanes Containing Naphthalene-Based Mesogens and Chiral Side Chains. **1997**, 300, 83-95 2
- 1400 Effect of the External Twist on Molecular Orientation in Antiferroelectric Liquid Crystals. **1997**, 301, 209-214 1
- 1399 Characterization of a ferroelectric liquid crystal-based time delay unit for phased array antenna applications. **1997**, 15, 1088-1094 18
- 1398 Defect Elimination And Properties Of Thin Surface Stabilized Ferroelectric Liquid Crystal Cells. **1997**,
- 1397 Atomic force microscopy studies of rubbed polyimide films. **1997**, 196, 73-76
- 1396 Layer compression in free-standing liquid-crystal films. **1997**, 40, 399-404 22
- 1395 Thickness dependent low frequency relaxations in ferroelectric liquid crystals with different temperature dependence of the helix pitch. *Liquid Crystals*, **1997**, 23, 511-518 2-3 43
- 1394 Preliminary communication A novel class of heterocyclic liquid crystals with broad smectic C phase. *Liquid Crystals*, **1997**, 22, 661-667 2-3 21
- 1393 Dielectric Behavior in Chiral Smectic Phases of Main-Chain Polyesters. **1997**, 299, 229-234 2
- 1392 Polymerization Behavior and Kinetics during the Formation of Polymer-Stabilized Ferroelectric Liquid Crystals. **1997**, 30, 1594-1600 50
- 1391 Mesogenic Polymer Stabilized Ferroelectric Liquid Crystal Display Exhibiting Monostability with High Contrast Ratio and Grayscale Capability.. **1997**, 36, L1517-L1519 72
- 1390 NMR and Dipole Moment Investigation of the Conformational Distribution in a Liquid Crystal Forming Polymer Containing an Asymmetric Carbon in the Flexible Spacer. **1997**, 30, 7536-7545 3
- 1389 Correlation of Model Compounds and Laterally Attached Side-Chain Liquid Crystalline Polynorbornenes with a 1-Carbon Spacer. **1997**, 30, 4520-4532 23
- 1388 Surface Tension of Liquid Crystals Containing Two Perfluoroalkyl Tails. **1997**, 13, 6357-6359 12
- 1387 Synthesis and Thermal Properties of Ferroelectric Side-Chain Liquid-Crystalline Polysiloxanes Based on Naphthyl Biphenylcarboxylate Mesogenic Groups and Oligooxyethylene Spacers. **1997**, 9, 51-60 8
- 1386 Pyroelectric measurements on selected compounds with rich liquid crystalline polymorphism. **1997**, 193, 1-19 5
- 1385 Introduction. **1997**, 5, 299 1
- 1384 Fast bistable nematic display using monostable surface switching. *Applied Physics Letters*, **1997**, 70, 1179-1181 208

1383	Switching behavior of surface stabilized ferroelectric liquid crystals induced by pulse voltages. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 461-463	3-4	17
1382	A novel ferroelectric liquid crystal having a trifluoromethyl group at the chiral centre. <i>Liquid Crystals</i> , <b>1997</b> , 23, 87-92	2-3	5
1381	LIQUID CRYSTAL MATERIALS AND LIQUID CRYSTAL DISPLAYS. <b>1997</b> , 27, 305-379		357
1380	Spontaneous formation of macroscopic chiral domains in a fluid smectic phase of achiral molecules. <b>1997</b> , 278, 1924-7		1081
1379	The synthesis and mesomorphic properties of ferroelectric liquid crystals with a fluorinated asymmetric frame. <i>Liquid Crystals</i> , <b>1997</b> , 23, 537-546	2-3	13
1378	Complex amplitude modulation by use of liquid-crystal spatial light modulators. <i>Applied Optics</i> , <b>1997</b> , 36, 1730-41	1-7	58
1377	Optical switching of a metal-clad waveguide with a ferroelectric liquid crystal. <i>Applied Optics</i> , <b>1997</b> , 36, 9225-9	1-7	2
1376	Switching and induced flow effects in chiral smectic C liquid crystals. <b>1997</b> , 8, 263-270		3
1375	An optical modulator prepared by silicon micromachining and thermal bonding. <b>1997</b> , 44, 572-576		1
1374	The application of side-chain liquid-crystalline polymers. <b>1997</b> , 22, 829-871		83
1373	Dielectric study of a ferroelectric side-chain liquid crystalline polysiloxane with a broad temperature range of the chiral smectic C phase: 2. Doping effect of a non-linear optically active dye. <b>1997</b> , 38, 887-895		14
1372	A combined method of multiple-reflection and optical-wave-guide Raman scattering spectroscopies for studying the electric-field-induced reorientation of a ferroelectric liquid crystal cell. <b>1998</b> , 295, 17-24		1
1371	Antiferroelectric gels. <b>1998</b> , 102, 1609-1614		7
1370	Optimization of the contrast, brightness, and modulation amplitude of light in electrooptic devices based on polymer-encapsulated ferroelectric liquid crystals. <b>1998</b> , 24, 483-484		
1369	Chiral C3 epoxides and halohydrins: Their preparation and synthetic application. <b>1998</b> , 4, 237-252		94
1368	Comparison of operation parameters between binary and analogue switching pixellated light valves. <b>1998</b> , 145, 236-242		1
1367	Chiral Smectic Liquid Crystals: Synthesis of Chiral Smectic Liquid Crystals. 493-514		1
1366	Guest-host ferroelectric side-chain liquid crystalline polymeric materials with improved electro-optical properties. <b>1998</b> , 5, 37-44		5

- 1365 A two-way optical interconnection network using a single mode fiber array. **1998**, 150, 270-276 19
- 1364 Ferroelectric liquid crystals: development of materials and fast electrooptical elements for non-display applications. **1998**, 9, 201-211 14
- 1363 Axial Chiral Liquid Crystals Synthesis of Trisubstituted Allenyl Ethers. **1998**, 340, 662-668 5
- 1362 Sidechain liquid crystal polymers. **1998**, 3, 610-615 2
- 1361 Mesogenic behavior of optically active allenes-a new class of FLC. **1998**, 212, 265-272 4
- 1360 Effects of Polymer Network with Electric Field to the Ferroelectric Liquid Crystal Molecular Alignments. **1998**, 321, 395-402 3
- 1359 Study of E-O properties of polymer network stabilized ferroelectric liquid crystal in smectic C\* phase. **1998**, 213, 91-99 8
- 1358 Optical guided mode studies of the director structure in FLC cells. **1998**, 213, 1-10 6
- 1357 A backflow effect in smectic C liquid crystals. *Liquid Crystals*, **1998**, 25, 319-327 2.3 6
- 1356 Synthesis, mesomorphic properties and crystal structure studies of a chiral ferroelectric liquid crystal series. *Liquid Crystals*, **1998**, 25, 207-215 2.3 6
- 1355 Pyroelectric Investigations on a Ferroelectric Side-Chain Polysiloxane Using the Laser Intensity Modulation Method (Limm). **1998**, 309, 201-216 4
- 1354 Soliton dynamics of geometrically confined ferroelectric liquid crystals. **1998**, 206, 11-30
- 1353 Ab initio molecular polarisabilities of liquid crystals: Application to DOBAMBC and 5CB. **1998**, 44, 578-584 23
- 1352 Effect of spontaneous polarization on smectic C\*-smectic A\* phase transition temperature and the thickness dependence of the spontaneous polarization of ferroelectric liquid crystal. *Liquid Crystals*, **1998**, 25, 59-62 2.3 13
- 1351 Dielectric Relaxations in a Short Pitch Ferroelectric Liquid Crystal. **1998**, 325, 157-171 14
- 1350 Polymerization Conditions and Electrooptic Properties of Polymer-Stabilized Ferroelectric Liquid Crystals. **1998**, 10, 2378-2388 54
- 1349 In Situ Photopolymerization Behavior of a Chiral Liquid-Crystalline Monomer Showing a Ferroelectric Phase. **1998**, 31, 1728-1734 6
- 1348 Surface Tension Obtained from Various Smectic Free-Standing Films: The Molecular Origin of Surface Tension. **1998**, 14, 4330-4341 48

1347	Important Physical Properties of Smectic Liquid Crystals <sup>1</sup> . <b>1998</b> , 8, 5-9		2
1346	Synthesis and Phase Behavior of Ferroelectric Chiral Imines from (S)-(-)-Ethyllactate. <b>1998</b> , 309, 111-116		4
1345	Effect of a Siloxane Moiety on the Anchoring of Ferroelectric Liquid Crystals at the Air/Water Interface. <b>1998</b> , 102, 5274-5279		7
1344	Laterally Linked Liquid Crystal Dimers with Electrooptic Properties. <b>1998</b> , 10, 1805-1813		7
1343	New ferroelectric displays and operation modes. <b>1998</b> , 213, 195-208		15
1342	Microphase-Stabilized Ferroelectric Liquid Crystals (MSFLC): Bistable Switching of Ferroelectric Liquid Crystal Coil Diblock Copolymers. <b>1998</b> , 10, 1538-1545		48
1341	Beam steering with two ferroelectric liquid-crystal spatial light modulators. <b>1998</b> , 23, 1541-3		18
1340	Second-harmonic light generation in pyroelectric liquid-crystal polymers. <b>1998</b> , 15, 914		10
1339	Case Study From Sweden to Japan: The Case of Canon and Ferroelectric LCDs. <b>1998</b> , 5, 73-91		
1338	An electro-optic device based on field-controlled anchoring of a nematic liquid crystal. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1616-1618	3.4	18
1337	Ferroelectric liquid crystals consisted of butyl lactate and 3-naphthyl-propenoic acid derivatives. <b>1998</b> , 212, 379-386		
1336	Synthesis and characterization of new ferroelectric liquid crystals containing oligomethylene spacers. <i>Liquid Crystals</i> , <b>1998</b> , 25, 309-318	2.3	7
1335	Transition from Epitaxial to Nonepitaxial Ordered Monolayers in Pyrolyzed 8CB Studied by STM. <b>1998</b> , 14, 2396-2401		15
1334	Second-harmonic generation in a novel crosslinked pyroelectric liquid crystal polymer (PLCP). <i>Liquid Crystals</i> , <b>1998</b> , 24, 295-310	2.3	15
1333	Langevin Type Alignment in a Smectic Liquid Crystal Mixture Showing V-Shaped Switching As Studied by Optical Second-Harmonic Generation. <b>1998</b> , 37, L691-L693		31
1332	Fabrication of a Zigzag Defect-Free Surface-Stabilized Ferroelectric Liquid Crystal Display Using Polyimide Orientation Film. <b>1998</b> , 37, 3417-3421		67
1331	In-Plane Liquid Crystal Beam Steering Devices with a Beam Separation Structure. <b>1998</b> , 37, 2576-2580		8
1330	Continuous Versus Limited Smectic Liquid Crystal Layer Rotation. <b>1998</b> , 37, L525-L527		9

1329	On In-plane Smectic Layer Reorientation in Ferroelectric Liquid Crystal Cells. <b>1998</b> , 37, L57-L60		19
1328	Multiplexing performance of a FLC with high spontaneous polarization in the bookshelf structure. <b>1998</b> , 213, 125-132		
1327	Deformation of ferroelectric short-pitch helical liquid crystal by transverse electric field: Application for diffraction-based light modulator. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3489-3491	3-4	4
1326	Optical unwinding and reentrance phenomena in chiral smectic-C liquid crystals. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1975-1977	3-4	
1325	Integrated Electro-Optic Switch Based on a Ferroelectric Liquid Crystal Waveguide. <b>1998</b> , 320, 321-335		11
1324	Physical aspects of electro-optic properties of smectic liquid crystals. <b>1998</b> , 213, 63-72		8
1323	The investigation of the relaxation processes in antiferroelectric liquid crystals by electro-optic spectroscopy. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1667-1669	3-4	56
1322	Temperature gradient-cooled smectic A phase orientation and its effects on CI orientation in ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1998</b> , 24, 727-733	2-3	5
1321	Dramatic Effect of Single-Atom Replacement on the Surface Tension of Liquid-Crystal Compounds. <b>1998</b> , 80, 732-735		31
1320	Coupling of Polarization and Dislocation in Ferroelectric Smectic Liquid-Crystal Films. <b>1998</b> , 81, 5848-5851		12
1319	Solitonlike dynamics in submicron ferroelectric liquid-crystal cells. <i>Physical Review E</i> , <b>1998</b> , 57, 6725-6731	1-4	9
1318	Multistable antiferroelectric liquid-crystal optical modulator. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3211-3213	3-4	2
1317	Synthesis of Ferroelectric Liquid Crystalline Polyoxiranes and Polyoxetanes by Ring Opening Polymerization. <b>1998</b> , 318, 1-18		1
1316	Dielectric Properties of Nematic and Ferroelectric Liquid Crystals. <b>1998</b> , 309, 93-110		3
1315	Visco-elastic modes in some ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>1998</b> , 24, 701-705	2-3	5
1314	Grey scale memory in an optically addressed spatial light modulator with a Lu(Pc) <sub>2</sub> doped layer. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 765-767	3-4	8
1313	First-order breaking transition of tilted nematic anchoring. <i>Physical Review E</i> , <b>1998</b> , 58, 7442-7446	2-4	25
1312	Synthesis of Chiral Smectic Liquid Crystals. 493-514		1

1311	Inverse switching phenomenon of surface-stabilized ferroelectric liquid crystals under a high voltage region. <b>1998</b> , 215, 215-220	0
1310	The Effect of Polymer Stabilization on the Alignment Structure of Surface-Stabilized Ferroelectric Liquid Crystals. <b>1998</b> , 317, 259-271	26
1309	Synthesis and Characterization of new Mesogenic 4-(n-Alkoxy)-3-methoxy-benzaldehyde Semicarbazones+. <b>1998</b> , 28, 4605-4610	2
1308	Electro-optical properties of thin PDFLC films prepared by TIPS and PIPS methods. <b>1998</b> , 213, 117-124	9
1307	Formation characteristics of horizontal chevron structures in ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , <b>1998</b> , 24, 769-774	2-3 13
1306	Characterization and Electro-Optical Properties of the Homopolymer and Copolymers of Ferroelectric Side-Chain Liquid Crystalline Polysiloxanes Containing Two Chiral Center Side Groups. <b>1998</b> , 30, 605-609	
1305	Surface Controlled Nematic Bistability. <b>1998</b> , 8, 1-7	16
1304	Physikalische Chemie 1997. <b>1998</b> , 46, 204-220	
1303	Influence of the fabrication shear rate on the electro-optic characteristics of PDFLC devices. <b>1998</b> , 212, 179-186	5
1302	The dielectric characterization of a material without layer shrinkage. <b>1998</b> , 212, 67-78	11
1301	Synthesis and properties of FLC with fluorinated asymmetric frames. <b>1998</b> , 212, 333-340	4
1300	Electrooptical Properties of Phase Separated Composite Organic Films of Ferroelectric Liquid Crystals. <b>1998</b> , 29, 786	4
1299	Dynamic Molecular Reorientational Behavior Induced by Polarization Inversion of Ferroelectric Liquid Crystal. <b>1998</b> , 71, 1255-1258	
1298	Azobenzene-Assisted Alignment of Ferroelectric Liquid Crystals in the Chiral Smectic C Phase with an Alternating Current Field. <b>1998</b> , 10, 3269-3271	6
1297	Ferroelectric liquid crystals for second order nonlinear optics. <b>1999</b> , 71, 2117-2123	26
1296	Liquid Crystal Display. <b>1999</b> ,	
1295	Rigid Formation of Aligned Polymer Fiber Network in Ferroelectric Liquid Crystal. <b>1999</b> , 38, 5212-5213	20
1294	Novel Ferroelectric Liquid Crystal Mode for Active Matrix Liquid Crystal Display Using Cholesteric-Chiral Smectic C Phase Transition Material. <b>1999</b> , 38, 5977-5983	40

- 1293 Monostabilization of Surface-Stabilized Ferroelectric Liquid Crystal Using Polymer Stabilization. **1999**, 38, 5660-5663 30
- 1292 Characterization of the Local Layer Structure at a Broad Wall in a Surface Stabilized Ferroelectric Liquid Crystal during Electric Field Application Using Synchrotron X-Ray Microdiffraction. **1999**, 38, 2845-2850 8
- 1291 Dielectric relaxations in a room temperature ferroelectric liquid crystal mixture. **1999**, 11, 3813-3822 15
- 1290 Preparation of stripe-shaped domain structure in ferroelectric liquid crystal and the fabrication of spatial light modulator. **1999**, 8, 670-681 1
- 1289 Electro-optic characteristics of surface-stabilized ferroelectric liquid crystal devices with the stripe-shaped domain structure. *Liquid Crystals*, **1999**, 26, 553-556 2.3 3
- 1288 The smectic A-smectic C\* phase transition in submicron confined geometry. *Liquid Crystals*, **1999**, 26, 723-729 2.3 14
- 1287 Influence of cooling rate on the phase transitions of ferroelectric liquid crystals, MBOPDOB and MBOPDoOB. *Liquid Crystals*, **1999**, 26, 63-67 2.3 2
- 1286 A highly bistable fast-shear aligned polymer dispersed ferroelectric liquid crystal device. *Liquid Crystals*, **1999**, 26, 679-684 2.3 5
- 1285 Preliminary communication Modulated structures with field-controlled direction and periodicity in SmC liquid crystals. *Liquid Crystals*, **1999**, 26, 295-298 2.3 4
- 1284 Temperature dependence of the switching property in  $\bar{N}$ min mode ferroelectric liquid crystals. *Applied Physics Letters*, **1999**, 74, 2224-2226 3.4 1
- 1283 Novel antiferroelectric liquid crystals with a phenylpiperazine moiety in the mesogenic core structure. *Liquid Crystals*, **1999**, 26, 1197-1203 2.3 2
- 1282 Synthesis and Mesomorphic Behavior of Chiral Partially Fluorinated Liquid Crystal Incorporating S-2-Methylbutyl. **1999**, 332, 9-16 2
- 1281 Director tilting of liquid crystals on photoisomerizable polyimide alignment layers doped with homeotropic surfactant. **1999**, 86, 1854-1859 27
- 1280 Material characteristics of an active matrix LCD based upon chiral smectics. *Liquid Crystals*, **1999**, 26, 1599-1602 2.3 13
- 1279 The Characteristics of SSFLC Cells with Stripe-Shaped Domain Structure. **1999**, 333, 35-45
- 1278 The Anchoring Energy Coefficient of Dye Guest-Host Ferroelectric Liquid Crystals. **1999**, 329, 99-112 16
- 1277 Surface-monolayer-induced bulk alignment of liquid crystals: From nematic to smectic-A phase. *Physical Review E*, **1999**, 59, 1873-1879 2.4 7
- 1276 Synthesis, Characterization of a Chiral Liquid Crystalline Polysiloxane and its Monomer. **1999**, 326, 215-227

1275	Anticlinic coupling between layers of an antiferroelectric liquid crystal. <i>Physical Review E</i> , <b>1999</b> , 60, 1867-1871	11
1274	The structure of homeotropic smectic C (SmC) alignment within liquid crystal cells. <i>Liquid Crystals</i> , <b>1999</b> , 26, 709-716	2,3 1
1273	Polymer-Stabilized SSFLCD Exhibiting Monostable Electrooptical Effect with High Contrast Ratio and Grayscale Capability. <b>1999</b> , 331, 399-406	4
1272	Fabrication of Zigzag Defect-Free Bistable SSFLCD by Rubbing Method: a Material Study and Physical Modelling. <b>1999</b> , 328, 193-200	14
1271	Studies of casting and LB films of ferroelectric liquid crystalline polysiloxane. <b>1999</b> , 10, 87-90	2
1270	AFM investigation of polymer LB films on the alignment of ferroelectric liquid crystal. <b>1999</b> , 260, 417-423	5
1269	Surface controlled nematic bistability. <b>1999</b> , 53, 25-35	2
1268	Phase separated composite films of liquid crystals. <b>1999</b> , 53, 121-129	7
1267	Study of smectic layer structure of polymer-stabilized ferroelectric liquid crystal with grayscale memory. <b>1999</b> , 82, 1-8	3
1266	Molecular motion in a smectic liquid crystal showing V-shaped switching as studied by optical second-harmonic generation. <i>Physical Review E</i> , <b>1999</b> , 59, R3815-R3818	2.4 36
1265	In Situ Photopolymerization Behavior of Chiral Liquid-Crystalline Monomers and Image Storage Using Ferroelectric Properties. <b>1999</b> , 32, 4806-4813	3
1264	Smectic A and C materials with novel director tilt and layer thickness behaviour. <i>Liquid Crystals</i> , <b>1999</b> , 26, 789-794	2,3 75
1263	Dynamics of solitary waves in smectic-C* liquid crystals. <i>Physical Review E</i> , <b>1999</b> , 60, 5568-74	2.4 3
1262	Novel ferroelectric liquid crystals based on optically active Preliminary communication propargylic alcohols. <i>Liquid Crystals</i> , <b>1999</b> , 26, 131-134	2,3 3
1261	Phase-separated composite films for liquid crystal displays. <b>1999</b> , 283, 1903-5	145
1260	Transient Periodical Structure at Polarization Reversal in Ferroelectric Liquid Crystals. <b>1999</b> , 328, 341-348	
1259	The Synthesis and Properties of Fluoro-terphenyls for High Dielectric Biaxiality Ferroelectric Liquid Crystal Mixtures. <b>1999</b> , 332, 321-328	19
1258	Polarity sensitive electrooptical response in a nematic liquid crystal/polymer mixture. <b>1999</b> , 85, 2870-2874	25

1257 Design, synthesis and properties of polyimide alignment materials.

1256 Study on 2-D Phase Transitions of Chiral Liquid Crystals at the Air/Water Interface. **1999**, 15, 5164-5172 2

1255 LMM investigations on cells with ferroelectric liquid crystalline materials.

1254 Thresholdless switching induced by polar anchoring in antiferroelectric liquid crystals. *Liquid Crystals*, **1999**, 26, 1853-1856 2.3 10

1253 Introduction. **1999**, 7, 29 5

1252 Introduction. **1999**, 7, 93

1251 A review of textures of the TGBA\* phase under different anchoring geometries. *Liquid Crystals*, **1999**, 26, 83-95 2.3 53

1250 X-ray Diffraction and Torsional Viscosity Investigations of Laterally Linked SC\* Liquid Crystal Dimers. **1999**, 11, 2515-2519 1

1249 Surface Effect on Goldstone Mode in Ferroelectric Liquid Crystals. **1999**, 329, 35-42 1

1248 Characterization on the Structure and Ferroelectricity for the LB Film of a Chiral Liquid Crystalline Polysiloxane. **1999**, 337, 397-400

1247 A SAXS Study of Microstructure Ordering Transitions in Liquid Crystalline Side-Chain Diblock Copolymers. **1999**, 32, 8066-8076 47

1246 Ferroelectric Liquid Crystals Induced by Atropisomeric Dopants: Dependence of the Polarization Power on the Core Structure of the Smectic C Host. **1999**, 121, 8229-8236 50

1245 A Full-Color Video Rate FLC Display Based on Time Domain Color Switching with a TFT Array. **1999**, 331, 217-225 2

1244 Bulk optical properties in binary mixtures of antiferroelectric liquid crystal compounds showing V-shaped switching. *Liquid Crystals*, **1999**, 26, 151-161 2.3 55

1243 Effect of alignment layer on V-shaped switching in a chiral smectic liquid crystal. *Liquid Crystals*, **1999**, 26, 167-179 2.3 52

1242 Ferroelectric Liquid Crystal Materials with Wide Operating Range for EV Min Mode Devices. **1999**, 328, 447-456 1

1241 Synthesis and Physical Properties of a Novel Difluoroterphenyl Ferroelectric Liquid Crystal with a Fluorine at the Chiral Centre. **1999**, 332, 347-354 4

1240 Electro-optic and opto-optic effects in liquid crystal waveguides. **1999**, 1

1239	Ferroelectric Liquid Crystals For Non-Display Applications. <b>1999</b> , 559, 15		5
1238	A Study of Liquid Crystalline Elastomers as Piezoelectric Devices. <b>1999</b> , 600, 159		1
1237	Spontaneous polarization, tilt angle and dielectric measurements on a ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>1999</b> , 26, 1609-1613	2.3	10
1236	Molecular Motion in A Smectic Liquid Crystal Showing V-shaped Switching As Studied by Optical Second-harmonic Generation. <b>1999</b> , 30, 404		1
1235	Homogeneous and heterogeneous switching in antiferroelectric liquid crystals. <b>2000</b> , 9, 247-252		3
1234	Liquid Crystals. <b>2000</b> ,		
1233	Confrontation between noise and dielectric measurements on a liquid crystal in the paraelectric SA and ferroelectric SC* phases. <b>2000</b> , 9, 25-28		5
1232	Low-Power Operation of an Image-Memory LCD using Ferroelectric Film. <b>2000</b> , 346, 201-207		1
1231	Phason and amplitudon relaxation processes of a low pitch and large spontaneous polarization ferroelectric liquid crystal mixture. <b>2000</b> , 247, 283-296		2
1230	P-61: Mesogenic Poly Network Stabilized Twisted Ferroelectric Liquid Crystal-Display Exhibiting Fast Response Speed. <b>2000</b> , 31, 779-781		5
1229	Alignment of ferroelectric liquid crystals over CMOS-based microdisplay backplanes. <b>2000</b> , 4207, 45		1
1228	41.2: A Novel Driving Technique for a Ferroelectric Liquid Crystal Microdisplay using non DC-Balanced Waveforms. <b>2000</b> , 31, 992-995		
1227	52.1: Invited Paper: A 254-ppi Full-color Video Rate TFT-LCD Based on Field Sequential Color and FLC Display. <b>2000</b> , 31, 1176-1179		3
1226	Surface dependence of electro-optical properties in antiferroelectric liquid crystal for thin film transistor addressing. <b>2000</b> , 21, 155-159		1
1225	Optical switching with two FLC SLMs. <b>2000</b> , 174, 81-90		7
1224	Displays. <b>2000</b> , 45, 585-619		0
1223	FLC materials for active and passive matrix displays. <b>2000</b> , 246, 143-154		
1222	Molecular Orientational States and Optical Properties of Surface-Stabilized Ferroelectric LCs. <b>2000</b> , 45, 349-380		1

1221 BACK MATTER. **2000**, 566-668

1220 Polarization Switching and Dielectric Relaxations in Ferroelectric Liquid Crystals. **2000**, 39, 4076-4081 45

1219 Domain growth in a ferroelectric liquid crystal with horizontal chevron layer geometry. **2000**, 12, 2657-2665 4

1218 A correlation between surface effect and pitch value of flc material by dielectric method. **2000**, 245, 119-130 1

1217 Letter surface and bulk reorientation in ferroelectric liquid crystals. **2000**, 47, 1297-1305

1216 Optical alignment and fixation of liquid crystals using azopolymer networks. *Applied Physics Letters*, **2000**, 77, 2644-2646 3.4 6

1215 Ferroelektrische Flüssigkristalle: Binärschaltbare Flüssigkristalle eignen sich für schnellere Displays. **2000**, 56, 53-56

1214 Switching dynamics in homeotropic ferroelectric liquid crystals. *Physical Review E*, **2000**, 61, 2799-2804 2.4 1

1213 Combined X-Ray and fully leaky guided mode studies of the smectic layer and optic tensor configuration in a ferroelectric liquid-crystal cell. **2000**, 85, 3181-4 4

1212 Synchrotron x-ray study of the smectic layer directional instability. *Physical Review E*, **2000**, 61, 1593-8 2.4 11

1211 Electrooptic and Dielectric Spectroscopy Measurements of Binary Chiral-Dopant Antiferroelectric Mixtures. **2000**, 351, 361-370 2

1210 On the coexistence of SmC\* and SmCA\* phases in binary chiral-dopant antiferroelectric mixtures. **2000**, 244, 211-221 3

1209 Ferroelectric Liquid Crystalline Materials: Hosts, Dopants and Gels for Display Applications. **2000**, 346, 169-182 2

1208 Induced antiferroelectric smectic- C(\*) (A) phase by doping ferroelectric- C\* phase with bent-shaped molecules. **2000**, 85, 2526-9 47

1207 Electro-Optical Properties and its Measuring Method for a Ferroelectric Liquid Crystal. **2000**, 349, 259-262

1206 Helix Dynamics and Electro-Optic Switching in Ferroelectric Smectic C Liquid Crystals. **2000**, 338, 125-140 18

1205 Demonstration of an all-digital 7-bit 33-channel photonic delay line for phased-array radars. *Applied Optics*, **2000**, 39, 4168-81 1.7 26

1204 Four-level phase grating generated by combination of two binary gratings through coherent imaging. *Applied Optics*, **2000**, 39, 5936-9 1.7 4

1203	A ferroelectric liquid crystal conglomerate composed of racemic molecules. <b>2000</b> , 288, 2181-4		283
1202	Synthesis and Properties of Schiff's Bases Derived from 1,3,4-Thiadiazole as a Mesogenic Unit. <b>2000</b> , 350, 151-159		8
1201	Synthesis and Properties of Ferroelectric Liquid Crystals Derived from 5-Alkyl- $\gamma$ -Valerolactones. <b>2000</b> , 346, 51-61		7
1200	Time-resolved infrared spectroscopy of molecule/binding site reorientation during ferroelectric liquid crystal electro-optic switching. <i>Physical Review E</i> , <b>2000</b> , 62, 5154-9	2.4	9
1199	Chiral liquid crystalline m-nitrotolans and tolans: synthesis and mesomorphic properties. <i>Liquid Crystals</i> , <b>2000</b> , 27, 657-663	2.3	28
1198	The effect of substrate surface smoothness on the chevron layer structure of surface-stabilized ferroelectric liquid crystals. <b>2000</b> , 244, 75-82		37
1197	Dielectric Investigations of a Chiral Monomer and Side Chain Polymer. <b>2000</b> , 352, 169-177		
1196	Quasilinear electro-optical response in a polymer-dispersed nematic liquid crystal. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3689-3691	3.4	11
1195	Light modulation characteristics of single-polarizer PDFLC films. <b>2000</b> , 243, 179-188		4
1194	The synthesis and properties of host materials with fluoro substituents in the core and in a terminal chain for high dielectric biaxiality FLC mixtures. <b>2000</b> , 243, 19-26		4
1193	The physics of $\mu$ min ferroelectric liquid crystal displays. <b>2000</b> , 246, 191-201		6
1192	Spontaneous polarization and response time of polymer dispersed ferroelectric liquid crystal (PDFLC). <b>2000</b> , 243, 197-206		18
1191	Cyanohydrin-containing side-chain ferroelectric liquid-crystalline copolymers. <b>2000</b> , 243, 171-177		
1190	Liquid crystal alignment capabilities on rubbed organic solvent soluble polyimide surfaces with trifluoromethyl moieties. <i>Liquid Crystals</i> , <b>2000</b> , 27, 883-887	2.3	17
1189	Electrostatics and the electro-optic behaviour of chiral smectics C: 'block' polarization screening of applied voltage and 'V-shaped' switching. <i>Liquid Crystals</i> , <b>2000</b> , 27, 985-990	2.3	79
1188	Low Frequency Dielectric Relaxations in Surface Stabilized Ferroelectric Liquid Crystal. <b>2000</b> , 351, 335-342		1
1187	Polarized Infrared Spectroscopic Study on Hindered Rotation around the Molecular Axis in the Smectic-C* Phase of a Ferroelectric Liquid Crystal with a Naphthalene Ring. Application of Two-Dimensional Correlation Spectroscopy to Polarization Angle-Dependent Spectral Variations. <b>2000</b> , 104, 2846-2852		25
1186	Synthesis and Characterization of New Chiral Side Chain Liquid Crystalline Polyoxetanes. <b>2000</b> , 33, 6653-6663		11

1185	A sub-hertz frequency dielectric relaxation process in a ferroelectric liquid crystal material. <i>Liquid Crystals</i> , <b>2000</b> , 27, 225-231	2.3	49
1184	Earlier Response of Carbonyl Groups in Electric-Field-Induced Dynamics of a Ferroelectric Liquid Crystal with a Naphthalene Ring Studied by Submicrosecond Multichannel Asynchronous Time-Resolved FT-IR Spectroscopy. <b>2000</b> , 104, 7881-7884		6
1183	Bistable switching in nematic cells with a ferroelectric alignment film. <b>2000</b> , 246, 71-78		1
1182	Morphology Development and Dynamics of Photopolymerization-Induced Phase Separation in Mixtures of a Nematic Liquid Crystal and Photocuratives. <b>2000</b> , 33, 1416-1424		39
1181	Synthesis and Properties of Optically Active Dispiro[2.0.2.1]heptane Derivatives as Novel Ferroelectric Liquid Crystalline Compounds. <b>2000</b> , 2000, 4109-4117		18
1180	Chirality transfer in ferroelectric liquid crystals. <b>2001</b> , 34, 845-53		164
1179	Introduction. <b>2001</b> , 9, 295		2
1178	New Chiral Series with Large Tilt Angle in the Ferroelectric Smectic Phase. <b>2001</b> , 362, 185-202		21
1177	Synthesis and characterization of halogen-containing ferroelectric liquid crystals and side chain liquid crystalline polymers. <i>Liquid Crystals</i> , <b>2001</b> , 28, 365-374	2.3	9
1176	Polarized infrared spectroscopic study on the orientation of the molecules in the smectic-C* phase of a ferroelectric liquid crystal with a naphthalene ring: alternative theory for the analysis of polarization-angle-dependent intensity changes. <i>Physical Review E</i> , <b>2001</b> , 64, 031704	2.4	17
1175	Ferroelectric Liquid Crystals Induced by Atropisomeric Biphenyl Dopants: Dependence of the Polarization Power on the Nature of the Symmetry-Breaking Groups. <b>2001</b> , 13, 1692-1699		23
1174	The Development of Materials, Mixtures and Gels for Ferroelectric Displays. <b>2001</b> , 360, 1-15		9
1173	Order-Disorder and Order-Order Transitions in Smectic C* Liquid Crystalline Diblock Copolymers. <b>2001</b> , 239-251		
1172	A Study of New Operation Mode for High Contrast Ratio and Fast Switching Time in Antiferroelectric Liquid Crystal(AFLC). <b>2001</b> , 5, 39-42		
1171	Switching behaviors of ferroelectric liquid crystal cells with a polyimide alignment layer. <b>2001</b> , 117, 263-265		1
1170	Enhanced Phase-Matched Second-Harmonic Generation in a Ferroelectric Liquid Crystal Waveguide. <b>2001</b> , 368, 293-302		2
1169	Contribution of Proton NMR Relaxation to the Investigation of Molecular Dynamics and Molecular Organisation in Liquid Crystalline Phases. <b>2001</b> , 362, 289-304		9
1168	Cone motion viscosity and optical second harmonic generation of ferroelectric liquid crystalline dendrimers. <i>Liquid Crystals</i> , <b>2001</b> , 28, 861-868	2.3	4

1167	Trans-1,2-Difluorostilbenes: Promising Materials for High Dielectric Biaxiality Ferroelectric Mixtures. <b>2001</b> , 364, 889-898		8
1166	Spontaneous formation of horizontal chevrons in smectic-C* liquid crystals. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1532-1534	3-4	3
1165	Electroclinic Effect In Unsymmetrical Dimeric Liquid Crystals Composed of Two Non-Identical Chiral Mesogenic Entities. <b>2001</b> , 363, 1-17		21
1164	Optical recording using a photochromic ferroelectric liquid crystal. <b>2001</b> , 89, 7745-7749		15
1163	Goldstone mode behaviour in deformed helix ferroelectric liquid crystal materials. <b>2001</b> , 256, 201-210		6
1162	Switching Characteristics of Hybrid Aligned Ferroelectric Liquid Crystals under Horizontal Electric Field. <b>2001</b> , 367, 825-832		
1161	OPTICAL TRANSMISSION AND POLARIZATION SWITCHING PROPERTIES OF A FERROELECTRIC LIQUID CRYSTAL CELL WITH A STABLE TWISTED STATE. <b>2001</b> , 366, 703-714		8
1160	Influence of the thickness and polarization charges on the electro-optical behaviour of twisted smectic C* cells. <i>Liquid Crystals</i> , <b>2001</b> , 28, 253-258	2-3	5
1159	Free-Standing Polymer-Stabilized Ferroelectric Liquid Crystal Film: Chemical Study of Phase Separation. <b>2001</b> , 365, 397-404		2
1158	Improved Thermal Stability of Pyroelectric Polymers by Crosslinking of Ferroelectric Liquid Crystals. <b>2001</b> , 105, 10223-10227		2
1157	Optical Comparator Based on an FLC over Silicon SLM. <b>2001</b> , 360, 17-27		2
1156	Effects of cell parameters on the properties of hybrid twisted nematic displays. <b>2001</b> , 90, 5859-5865		13
1155	Ferroelectric and Antiferroelectric Liquid Crystals. <b>2001</b> , 3044-3063		3
1154	Liquid Crystal Optical Phase Modulators for Beam Steering. <b>2001</b> , 709, 1		
1153	40.3: Advanced Electronic Color Switch for Time-Sequential Projection. <b>2001</b> , 32, 1080		
1152	Optoelectronic switch and continuously tunable filter based on a liquid crystal waveguide. <b>2001</b> ,		1
1151	4.4: Polymer-Stabilized FLCs Exhibiting V- and Half-V EO Characteristics. <b>2001</b> , 32, 16		3
1150	P-74: Defect-Free FLC with C-2 Uniform State: Analysis and Fabrication. <b>2001</b> , 32, 838		

1149	P-73: Numerical Calculation of Using Low Azimuthal Anchoring to Achieve Zigzag Free SmC State with a Low Pretilt Angle. <b>2001</b> , 32, 834		
1148	Synthesis and characterization of chiral smectic side-chain liquid crystalline polysiloxanes and ionomers containing sulfonic acid groups. <b>2001</b> , 80, 2335-2340		37
1147	Optically Aligned Ferroelectric Liquid Crystals. <b>2001</b> , 13, 1891		17
1146	Giant lateral electrostriction in ferroelectric liquid-crystalline elastomers. <b>2001</b> , 410, 447-50		352
1145	Synthesis, characterization and theoretical considerations of a novel class of banana-shaped compounds with liquid crystal properties. <b>2001</b> , 543, 89-98		21
1144	Smectic Liquid Crystals: Ferroelectric Properties and Electroclinic Effect. <b>2001</b> , 223-250		22
1143	Second-Harmonic Generation in Chiral Liquid Crystals. <b>2001</b> , 358, 167-183		2
1142	Giant surface electroclinic effect in a chiral smectic A liquid crystal. <i>Liquid Crystals</i> , <b>2001</b> , 28, 117-123	2.3	25
1141	Backflow effects in the Goldstone mode dielectric response of chiral smectic C* liquid crystals. <i>Liquid Crystals</i> , <b>2001</b> , 28, 889-896	2.3	4
1140	Ferroelectric Polarization Hysteresis in a Liquid Crystal Polymer by Means of LMM. <b>2001</b> , 357, 167-175		4
1139	Defects Connected to the Chevron Texture of a Chiral Smectic C, in a Wedge-Shaped Confined Geometry. <b>2001</b> , 362, 217-242		1
1138	Surface Evanescent Field Characterisation of Antiferroelectric Liquid Crystals. <b>2001</b> , 358, 263-274		
1137	Zigzag defect-free alignment of surface stabilized ferroelectric liquid crystal cells with a polyimide irradiated by polarized UV light. <i>Liquid Crystals</i> , <b>2001</b> , 28, 1715-1721	2.3	10
1136	Light modulation characteristics of a single-polarizer electro-optical cell based on polymer dispersed ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2001</b> , 28, 741-748	2.3	13
1135	Carbosilane liquid crystalline dendrimers with terminal chiral mesogenic groups: structure and properties. <i>Liquid Crystals</i> , <b>2001</b> , 28, 1259-1268	2.3	16
1134	Novel passive polymer waveguides integrated with electro-optically active ferroelectric liquid crystals. <b>2001</b> , 40, 2188		14
1133	Fabrication of Defect-Free Ferroelectric Liquid Crystal Displays Using Photoalignment and Their Electrooptic Performance. <b>2001</b> , 40, 4622-4625		30
1132	Characterization of the Local Layer Structure of a Narrow Wall in a Surface Stabilized Ferroelectric Liquid Crystal Using Synchrotron X-Ray Micro-Diffraction. <b>2001</b> , 40, 1345-1351		4

1131	Phenomenological Analysis in Fabricating Defect-Free Ferroelectric Liquid Crystal Displays with C-1 or C-2 Uniform States. <b>2001</b> , 40, 4626-4630		7
1130	Dynamics of Surface-Stabilized Ferroelectric Liquid Crystals at the Alignment Layer Surface Studied by Total-Reflection Ellipsometry. <b>2001</b> , 40, L453-L455		5
1129	Growth dynamics of ferroelectric domains in chiral hexatic liquid crystals. <b>2001</b> , 13, 10321-10331		4
1128	Fabrication of Defect-Free Surface-Stabilized Ferroelectric Liquid Crystals Using an Intervening Interfacial Layer with a Graded SmA-SmC* Transition Temperature. <b>2001</b> , 40, L820-L823		13
1127	Novel Mesogenic Polymer Stabilized Ferroelectric Liquid Crystal Display Device Exhibiting V-Shaped Electrooptic Characteristics. <b>2001</b> , 40, 5008-5010		27
1126	Newly Developed Polymer-Stabilized Ferroelectric Liquid Crystals: Microsized Bistable Domains and Monostable V-Shaped Switching. <b>2001</b> , 40, 5790-5794		32
1125	Dynamic Behaviour of the Local Layer Structure of Antiferroelectric Liquid Crystals under a High Electric Field Measured by Time-resolved Synchrotron X-Ray Microbeam Diffraction. <b>2001</b> , 40, 3294-3300		9
1124	Introduction. <b>2001</b> , 1-27		2
1123	Modelling Switching and Optics in Ferroelectric Liquid Crystal Microdisplays. <b>2001</b> , 368, 157-165		
1122	On the thickness dependence of ferroelectric polarization in smectic C* liquid crystal cells. <i>Liquid Crystals</i> , <b>2001</b> , 28, 841-844	2.3	4
1121	Low Voltage Light Modulator Based on FLC Layer Divided by Polymer Walls. <b>2001</b> , 368, 207-214		3
1120	Modelling of switching in surface-stabilized ferroelectric liquid crystal cells using a three-variable model in one dimension. <i>Liquid Crystals</i> , <b>2001</b> , 28, 561-571	2.3	7
1119	Microscopic structure and dynamics of a partial bilayer smectic liquid crystal. <i>Physical Review E</i> , <b>2001</b> , 64, 051703	2.4	34
1118	Crystal Structure of an Unsymmetrical Dimeric Liquid Crystal with a Wide Temperature Range Chiral Smectic A Phase. <b>2001</b> , 364, 567-574		6
1117	Field Sequential Fullcolor LCDs using FLC Technology. <b>2001</b> , 368, 223-229		13
1116	Evidence from infrared dichroism, x-ray diffraction, and atomistic computer simulation for a "zigzag" molecular shape in tilted smectic liquid crystal phases. <i>Physical Review E</i> , <b>2001</b> , 64, 051712	2.4	12
1115	Dependence of the molecular orientational states on the surface conditions for the "V-shaped switching" in a ferroelectriclike liquid crystal sample. <i>Physical Review E</i> , <b>2001</b> , 64, 040701	2.4	8
1114	Optical characterization of the director profile in a ferroelectric liquid crystal cell with homeotropic alignment. <b>2001</b> , 89, 5-9		7

- 1113 Electro-optical response of hybrid twisted nematic liquid crystal displays. **2001**, 89, 3554-3559 6
- 1112 Dynamics of electric-field-induced molecular reorientation of a surface-stabilized antiferroelectric liquid crystal in the smectic-C\* phase probed by time-resolved infrared spectroscopy. *Physical Review E*, **2001**, 63, 051704 2.4 10
- 1111 How to achieve zigzag free Sm-C\* state with a low pretilt angle: A numerical calculation. **2001**, 90, 4452-4455 13
- 1110 Biaxial model of the surface anchoring of bent-core smectic liquid crystals. *Physical Review E*, **2001**, 64, 031706 2.4 7
- 1109 Characterization of a new chiral antiferroelectric liquid crystal with a lateral bromo substituent. *Liquid Crystals*, **2002**, 29, 91-98 2.3 10
- 1108 Time-resolved infrared spectroscopic study of the switching dynamics of a surface-stabilized ferroelectric liquid crystal. *Physical Review E*, **2002**, 65, 021710 2.4 5
- 1107 Optical and x-ray evidence of the "de Vries" Sm-A\*-Sm-C\* transition in a non-layer-shrinkage ferroelectric liquid crystal with very weak interlayer tilt correlation. *Physical Review E*, **2002**, 66, 031703 2.4 122
- 1106 Unipolar  $\nabla$ -shaped switching in chiral smectic C (SmC\*) liquid crystals bounded by an ion-store film. **2002**, 92, 3630-3635 6
- 1105 Synthesis of alkyl-branched main chain copolyimides and their effect on the pretilt angles of liquid crystal alignment. *Liquid Crystals*, **2002**, 29, 907-913 2.3 6
- 1104 Integrated Electro-Optic Switches Based on Ferroelectric Liquid Crystal Waveguides. **2002**, 21, 277-293 8
- 1103 Fundamental display properties of flexible devices containing polymer-stabilized ferroelectric liquid crystal between plastic substrates. **2002**, 41, 2195 6
- 1102 Confinement effects at the transition from a chiral fluid SmC\* to a hexatic SmI\* liquid crystal phase. **2002**, 14, 13441-13448 4
- 1101 Electro-optical switch and continuously tunable filter based on a Bragg grating in a planar waveguide with a liquid crystal overlayer. **2002**, 41, 2890 34
- 1100 P-73: Measurement of Molecular Motion in V-Mode Polymer-Stabilized Ferroelectric Liquid Crystal Displays Using Ellipsometry. **2002**, 33, 484
- 1099 P-75: Fast Nonchiral Smectic C Liquid Crystal Display Mode in a Transverse Electrode Configuration. **2002**, 33, 492
- 1098 31.1: SXGA Resolution FLC Microdisplays. **2002**, 33, 954 7
- 1097 Simulation characteristics of ferroelectric liquid crystal by electronic model in PSPICE. **2002**,
- 1096 P-72: The Relation Between the Delay Time and the Gray Scale in Antiferroelectric Liquid Crystals. **2002**, 33, 480 2

1095	Electro-optic characteristics of FLCs exhibiting v-shaped and half-v-shaped switching fabricated using photoalignment. <b>2002,</b>		1
1094	5.4: A Defect Free Bistable C1 SSFLC Display. <b>2002, 33, 34</b>		1
1093	Preparation of Mesogen-Functionalized Dendrimers for Second-Order Nonlinear Optics. <b>2002, 35, 1663-1671</b>		30
1092	Comparative analysis of basic physical properties of a ferroelectric liquid crystal and a polymer dispersed ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>2002, 29, 1305-1310</b>	2.3	10
1091	Bistable ferroelectric liquid crystal photoswitch triggered by a dithienylethene dopant. <b>2002, 124, 7898-9</b>		67
1090	Anisotropic hydroxypropylcellulose films as alignment layers of a bistable ferroelectric device. <i>Liquid Crystals</i> , <b>2002, 29, 1491-1495</b>	2.3	6
1089	Helical Twist Senses, Liquid Crystalline Behavior, Crystal Microtwins, and Rotation Twins in a Polyester Containing Main-Chain Molecular Asymmetry and Effects of the Number of Methylene Units in the Backbones on the Phase Structures and Morphologies of Its Homologues. <b>2002, 35, 9678-9686</b>		31
1088	Contrast ratio and switching of zigzag defect-free surface stabilized FLC by photoinduced alignment. <i>Liquid Crystals</i> , <b>2002, 29, 583-587</b>	2.3	8
1087	Low Frequency dielectric and optical characterisation of room temperature ferroelectric liquid crystal 2C1. BAAP.120-BBP. <b>2002, 265, 279-295</b>		5
1086	The effects of molecular shape and quadrupole moment on tilted smectic phase formation. <b>2002, 100, 1911-1924</b>		8
1085	Synthesis and characterization of new chiral liquid crystalline polyacrylates from L-isoleucine. <i>Liquid Crystals</i> , <b>2002, 29, 1187-1200</b>	2.3	8
1084	"Thresholdless" hysteresis-free switching as an apparent phenomenon of surface stabilized ferroelectric liquid crystal cells. <i>Physical Review E</i> , <b>2002, 66, 021701</b>	2.4	39
1083	Detection of chiral perturbations in ferroelectric liquid crystals induced by an atropisomeric biphenyl dopant. <b>2002, 124, 13513-8</b>		26
1082	Polymer dispersed ferroelectric liquid crystal films with high electro-optic quality. <b>2002, 35, 900-905</b>		21
1081	Introduction. <b>2002, 10, 95</b>		9
1080	Structure and dynamics of ferroelectric liquid crystal cells exhibiting thresholdless switching. <i>Physical Review E</i> , <b>2002, 65, 021708</b>	2.4	48
1079	A molecular-dynamics simulation study of the switching dynamics of a nematic liquid crystal under an applied electrical field. <b>2002, 117, 9452-9459</b>		8
1078	Spontaneous polarization and electro-optic behaviour of a ferroelectric liquid crystal cell fabricated with polyimide Langmuir-Blodgett films. <i>Liquid Crystals</i> , <b>2002, 29, 413-420</b>	2.3	4

1077	Fast analog electro-optic effect in an achiral smectic C liquid crystal in a transverse electrode configuration. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1111-1113	3.4	2
1076	Liquid-crystal-solid interface structure at the antiferroelectric-ferroelectric phase transition. <i>Physical Review E</i> , <b>2002</b> , 66, 061709	2.4	
1075	A high resolution temperature scanning technique for optical studies of liquid crystal phase transitions. <i>Liquid Crystals</i> , <b>2002</b> , 29, 347-353	2.3	16
1074	Electro-optic characteristics of de Vries tilted smectic liquid crystals: Analog behavior in the smectic A* and smectic C* phases. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4097-4099	3.4	86
1073	Smectic layer structure of ferroelectric liquid crystal formed between fine polymer fibres. <i>Liquid Crystals</i> , <b>2002</b> , 29, 881-887	2.3	2
1072	Optical Sensors and Microsystems Using Liquid Crystals. <b>2002</b> , 61-77		1
1071	Thermotropic Liquid Crystals from Planar Chiral Compounds: [2.2]Paracyclophane as a Mesogen Core. <b>2002</b> , 85, 431-441		15
1070	Electrooptical properties of free-standing polymer-stabilized ferroelectric liquid crystal films. <b>2002</b> , 85, 35-42		
1069	New liquid-crystal alignment agents based on fluorinated polyimides with trifluoromethyl-substituted benzene or diphenylether in the side chain. <b>2002</b> , 40, 1583-1593		29
1068	Smart pixels in a focal-plane image compression system. <b>2002</b> , 34, 429-437		
1067	Splay-splay transition in bistable nematic liquid crystals. <b>2002</b> , 47, 34-37		1
1066	Static and dynamic electro-optic properties of a SmC* phase in surface stabilized geometry and dispersed in the polymer matrix. <b>2003</b> , 12, 573-80		3
1065	Viscoelastic modes in chiral liquid crystals. <b>2003</b> , 61, 297-312		
1064	Bidimensional distortion in ferroelectric liquid crystals with strong anchoring in bookshelf geometry. <b>2003</b> , 61, 385-393		1
1063	Reliable Polymer-Stabilized Ferroelectric Liquid Crystal Device Using Thin Plastic Substrates. <b>2003</b> , 10, 352-356		6
1062	Versatile driving system for non-root-mean-square responding liquid crystal displays. <b>2003</b> , 150, 57		
1061	Electro-optical response of ferroelectric liquid crystal cells with photo-dimerization alignment layer. <b>2003</b> , 21, 651-656		2
1060	Simulation of electrooptical effects and dynamics of ferroelectric liquid crystals. <b>2003</b> , 48, 124-140		21

1059	Dielectric evidence of an electroclinic effect in the cholesteric phase near a N * -SmA-SmC * multicritical point. <i>Liquid Crystals</i> , <b>2003</b> , 30, 227-234	2.3	9
1058	Photoinduced polarization inversion in a ferroelectric liquid crystal using an ambidextrous chiral thioindigo dopant. <b>2003</b> , 125, 6862-3		21
1057	Electric-Field-Induced Reorientation of a Ferroelectric Liquid Crystal Molecule without a Carboxylate Group near the Stereocenter Studied by Time-Resolved Infrared Spectroscopy Combined with Normalized Sample-Sample Two-Dimensional Correlation Spectroscopy. <b>2003</b> , 107, 4227-4236		6
1056	Calculation of the efficiency of polarization-insensitive surface-stabilized ferroelectric liquid-crystal diffraction gratings. <i>Applied Optics</i> , <b>2003</b> , 42, 2257-63	1.7	6
1055	Dynamics of a ferroelectric liquid crystal with a naphthalene ring during electric-field-induced switching studied by time-resolved infrared spectroscopy combined with two-dimensional correlation spectroscopy. <b>2003</b> , 57, 1063-9		6
1054	Use of a gelator in a ferroelectric liquid crystal: pitch compensation and nanofibres. <i>Liquid Crystals</i> , <b>2003</b> , 30, 81-86	2.3	19
1053	Mechanism of sign inversion of spontaneous polarization in ferroelectric SmC* liquid crystals. <i>Physical Review E</i> , <b>2003</b> , 67, 021701	2.4	5
1052	Ferroelectric liquid crystalline polymers based on mesogens with halogen-containing terminal groups. <i>Liquid Crystals</i> , <b>2003</b> , 30, 71-80	2.3	1
1051	Dual-antiferroelectric liquid crystal display with high transmittance efficiency and no dispersion. <b>2003</b> , 42, 2047		2
1050	New Pockels field sensor with ferroelectric liquid-crystal phase modulator. <b>2003</b> , 74, 2664-2669		3
1049	Effect of biasing field on the soft mode in the vicinity of the SmC*-SmA phase transition of a ferroelectric liquid crystal. <b>2003</b> , 94, 2271-2276		16
1048	Dynamic local-layer response of surface-stabilized ferroelectric liquid crystals to a high electric field by time-resolved x-ray microdiffraction. <i>Physical Review E</i> , <b>2003</b> , 67, 051706	2.4	10
1047	Field-induced molecular re-orientation dynamics of a surface stabilized ferroelectric liquid crystal.		
1046	A ferro-electric liquid crystal polarization controlled switch for WDM applications.		
1045	Transverse surface-induced polarization at the interface between a chiral nematic liquid crystal and a substrate. <i>Physical Review E</i> , <b>2003</b> , 67, 041707	2.4	4
1044	A defect free bistable CL SSFLC devices. <b>2003</b> , 4, 1-8		1
1043	Unsymmetrical dimers possessing a cholesteryl ester moiety and a difluoro-substituted biphenyl core: synthesis and mesomorphic behaviour. <i>Liquid Crystals</i> , <b>2003</b> , 30, 125-133	2.3	25
1042	Investigations of the thermal parameters of ferroelectric liquid crystals using the pyroelectric effect in the S C * phase. <b>2003</b> , 63, 453-458		5

1041	Dielectric spectroscopy investigation for determining the rotational viscosity and the twist elastic constant for the ferroelectric chiral smectic C liquid crystals. <b>2003</b> , 15, 4671-4677	12
1040	P-101: Eliminating Layer Undulation Textures in SSFLC Devices. <b>2003</b> , 34, 608	
1039	44.1: Invited Paper: Fabrication and Electro-Optic Characteristics of Polymer-Stabilized V-Mode FLC and Intrinsic H-V-Mode FLC: Their Application to Field Sequential Full Color Active Matrix LCDs. <b>2003</b> , 34, 1272	2
1038	Ferroelectric liquid crystal spatial-light modulator for location-based communication with higher data transfer rate. <b>2003</b> , 5135, 78	1
1037	Performance optimization of optical switches in ferroelectric liquid crystals and polymers operating at 1550 nm. <b>2003</b> ,	
1036	26.1: Invited Paper: Bistable Liquid Crystal Technologies. <b>2003</b> , 34, 946	11
1035	44.2: Super-High-Resolution FLC Display Based on Field Sequential Color Method with Low Driving Voltage. <b>2003</b> , 34, 1276	3
1034	Beam steering by combing two binary-phase-modulated FLC SLMs. <b>2003</b> ,	3
1033	The Binem display: a nematic bistable device switched by surface anchoring breaking. <b>2003</b> , 5003, 25	8
1032	. <b>2003</b> ,	24
1031	Frank Matthews Leslie. 8 March 1935 – 15 June 2000. <b>2003</b> , 49, 315-333	0
1030	Guided mode studies of liquid crystal layers. <b>2003</b> , 271-312	4
1029	Liquid Crystals, Structure of. <b>2003</b> ,	
1028	Defect-Free Bistable C1 Surface Stabilized Ferroelectric Liquid Crystal Display. <b>2004</b> , 43, 3479-3483	6
1027	Grating Based on Polymer-Stabilized Ferroelectric Liquid Crystal Films. <b>2004</b> , 43, 5421-5424	2
1026	Computer Simulation of Transition Processes between Bistable States in Bistable Nematic Liquid Crystal Cell Using Breaking Phenomenon of Surface Anchoring. <b>2004</b> , 43, 1469-1475	5
1025	Dynamical Behavior of a Ferroelectric Liquid Crystal with Monotropic Transition Temperatures during Electric-Field-Induced Switching Studied by Time-resolved Infrared Spectroscopy Combined with Singular Value Decomposition. <b>2004</b> , 43, 4294-4301	
1024	An Analogue Digital Instrumentation System for Characterizing Electrical Behavior of Antiferroelectric Liquid Crystal Display Pixels. <b>2004</b> , 43, 4376-4378	1

1023	A Novel Driving Method for Fast Switching of a $\square$ Cell for Display of Moving Pictures. <b>2004</b> , 43, 1416-1420		5
1022	Profiles of the Director Across a Surface-Stabilized Ferroelectric Liquid Crystal Cell and the Corresponding Pyroelectric Current Spectra. <b>2004</b> , 311, 21-32		
1021	Double minimum in the surface stabilized ferroelectric liquid crystal switching response. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1763-1765	3-4	34
1020	Correlation between dielectric and optical measurements in the smectic-C*( $\alpha$ ) phase. <i>Physical Review E</i> , <b>2004</b> , 69, 031709	2-4	16
1019	Ferroelectric smectic- C* liquid-crystal phase: reexamination of the electric-field influence. <i>Physical Review E</i> , <b>2004</b> , 70, 061704	2-4	8
1018	Thresholdless, hysteresis-free, V-shaped, electro-optical switching for a ferroelectric liquid crystal cell. <i>Physical Review E</i> , <b>2004</b> , 70, 011712	2-4	8
1017	The coupling between polarization and tilt in homologous series of ferroelectric liquid crystals. <b>2004</b> , 16, 1715-1724		5
1016	Bistability in deformed helix ferroelectric liquid crystal. <b>2004</b> , 96, 2547-2551		26
1015	32-channel arbitrary waveform generator for bistable nematic devices. <b>2004</b> , 75, 2008-2012		
1014	Fabrication and electro-optic characteristics of polymer-stabilized V-mode ferroelectric liquid crystal display and intrinsic H-V-mode ferroelectric liquid crystal displays: their application to field sequential fullcolor active matrix liquid crystal displays. <b>2004</b> , 43, 290		22
1013	Flexible ferroelectric liquid crystal devices for roll-up displays. <b>2004</b> , 5289, 198		
1012	Electro-Optical Bistability in Ferroelectric Liquid Crystal Switching Devices for Use in Displays and Real-Time Holography. <b>2004</b> , 312, 3-23		4
1011	Dielectric Relaxation Behavior and Thickness Dependent Phase Transition of a Ferroelectric Liquid Crystal. <b>2004</b> , 43, 4286-4289		8
1010	Low-Frequency Electric Field Treatment of Twisted Smectic C* Liquid Crystals and Their Electrooptic Effects. <b>2004</b> , 313, 55-62		1
1009	Photo-dimerization of a chalcone-based side chain polymer for the alignment of ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2004</b> , 31, 639-647	2-3	20
1008	Experimental characterization of hexatic smectic phases through electro-optic studies and dielectric relaxation spectroscopy. <i>Liquid Crystals</i> , <b>2004</b> , 31, 119-125	2-3	5
1007	Molecular Alignment in SmLC Cells Having a Surface Layer with INS Phase Sequence. <b>2004</b> , 310, 31-35		3
1006	Spectral Response in V-Shape Chiral Smectic Liquid Crystal Devices. <b>2004</b> , 410, 457-465		

1005	Dislocations and Disclinations in Mesomorphic Phases. <b>2004</b> , 147-271	21
1004	An X-ray Study of Devices Containing a N*SmC* Liquid Crystal Mixture. <b>2004</b> , 409, 421-435	
1003	Photopolarimetric investigations of liquid crystals Electrochromic oxides interface. <b>2004</b> , 455-456, 513-518	
1002	Molecular structure and pretilt control of photodimerized-monolayers (PDML). <b>2004</b> , 14, 3468-3473	5
1001	Ultra high-resolution FLC display for PDA. <b>2004</b> , 25, 31-36	7
1000	Polymer-stabilized V-mode FLCs and their application to color sequential fullcolor LCDs. <b>2004</b> , 25, 45-47	10
999	The effect of rotational viscosity on the memory effect in ferroelectric liquid crystal. <b>2004</b> , 352, 337-341	6
998	Dendritic homopolymers and block copolymers: Tuning the morphology and properties. <b>2004</b> , 42, 1174-1188	57
997	Photoswitching of ferroelectric liquid crystals using chiral thioindigo dopants: The development of a photochemical switch hitter. <b>2004</b> , 3, 288-95	12
996	Memory effect of ferroelectric liquid crystal stabilized by polymer fibers. <b>2004</b> , 87, 16-24	2
995	Ferroelectric Liquid Crystal Conglomerates. <b>2004</b> , 457-518	22
994	Reflections on the life and work of Frank Matthews Leslie. <b>2004</b> , 119, 7-23	6
993	Dielectric relaxation spectroscopy of guest-host ferroelectric liquid crystals: influence of anthraquinone dye. <b>2004</b> , 65, 1165-1175	11
992	Modelling of binary phase modulation in surface stabilized ferroelectric liquid crystal spatial light modulators. <b>2004</b> , 35, 193-201	4
991	Memory versus elastic azimuthal anchoring of nematic on holographic gratings. <b>2004</b> , 704, 329-332	2
990	Bistable C1 ferroelectric liquid crystal device for e-paper application. <b>2004</b> , 25, 187-194	9
989	Single glass substrate LCDs using a phase separated composite organic film method. <b>2004</b> , 25, 207-213	17
988	The New Role of Alignment Layers in Bistable Switching of Ferroelectric Liquid Crystals. Numerical Simulation and Experimental Results. <b>2004</b> , 310, 95-109	6

987	Quasi-mesoscopic model for ferroelectric switching in the chevron geometry. <i>Liquid Crystals</i> , <b>2004</b> , 31, 683-695	2.3	4
986	Investigation of Helix Suppression by Surfaces in Chiral Smectic Liquid Crystal Devices: A New Approach to an Old Problem. <b>2004</b> , 309, 43-54		
985	Chiral-Induced Polarization at a Tilted NematicSubstrate Interface. <b>2004</b> , 311, 33-39		
984	Study on the molecular orientation of an anti-ferroelectric liquid crystal by two-dimensional correlation polarized infrared spectroscopy. <i>Liquid Crystals</i> , <b>2004</b> , 31, 1407-1412	2.3	3
983	Ferroelectric Liquid Crystals Induced by Atropisomeric Biphenyl Dopants: Correlation between the Sign of Induced Polarization and the Absolute Configuration. <b>2004</b> , 16, 5297-5303		8
982	Field-induced reorientation dynamics of a surface stabilized ferroelectric liquid crystal mixture. <i>Liquid Crystals</i> , <b>2004</b> , 31, 377-385	2.3	2
981	HYBRID SURFACE-STABILIZED FERROELECTRIC LIQUID CRYSTALS HAVING AN INTERVENING INTERFACIAL LAYER WITH A GRADED TRANSITION TEMPERATURE. <b>2004</b> , 413, 53-61		
980	Directed metalation route to ferroelectric liquid crystals with a chiral fluorenol core: the effect of restricted rotation on polar order. <b>2004</b> , 126, 1161-7		59
979	Polarity-directed analog electro-optic switching in a low-polarization chiral smectic liquid crystal with positive dielectric anisotropy. <i>Physical Review E</i> , <b>2004</b> , 70, 031703	2.4	4
978	Traveling waves in ferroelectric smectic-C liquid crystals. <i>Physical Review E</i> , <b>2004</b> , 69, 061714	2.4	9
977	Ferroelectric and Antiferroelectric Liquid Crystals. <b>2004</b> , 301, 15-45		61
976	A Chameleon Chiral Polar Liquid Crystal: Rod-Shaped When Nematic, Bent-Shaped When Smectic. <b>2004</b> , 16, 3606-3615		36
975	Influence of hydrogen bonding on phase abundance in ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2004</b> , 31, 303-310	2.3	39
974	Beam steering experiment with two cascaded ferroelectric liquid-crystal spatial light modulators. <i>Applied Optics</i> , <b>2004</b> , 43, 1559-69	1.7	8
973	Surface-stabilized ferroelectric liquid-crystal diffraction gratings with micrometer-scale pitches. <i>Applied Optics</i> , <b>2004</b> , 43, 5287-94	1.7	4
972	Optical memory effect in a deformed helix ferroelectric liquid crystal. <i>Applied Optics</i> , <b>2004</b> , 43, 5614-7	1.7	14
971	Engineering liquid crystals for optimal uses in optical communication systems. <i>Liquid Crystals</i> , <b>2004</b> , 31, 241-269	2.3	44
970	Temperature and field dependence of the optical activity in the ferroelectric, antiferroelectric and subphases of AS661. <i>Liquid Crystals</i> , <b>2004</b> , 31, 853-857	2.3	2

- 969 P-10: A Novel Double Pulse Scan Method for Fast Driving of a  $\square$ Cell. **2004**, 35, 256
- 968 37.2: Polymer-Stabilized V-mode FLCs and Their Application to Color Sequential Fullcolor LCDs. **2004**, 35, 1160
- 967 40.3: Anchoring Energy Control and Bistable Surface Switching Based on Photo-Alignment Technology. **2004**, 35, 1208
- 966 Low Frequency Dielectric Relaxation, Spontaneous Polarization, Optical Tilt Angle and Response Time Investigations in a Fluorinated Ferroelectric Liquid Crystal, N125F2(R\*). **2004**, 300, 79-93 16
- 965 X-ray microdiffraction study of the half-V-shaped switching liquid crystal. **2004**, 19, 53-55 1
- 964 Introduction. **2005**, 1-19
- 963 Optical routing switches incorporating ferroelectric liquid crystals for use in photonic networks (Invited Paper). **2005**, 2
- 962 Row and column drivers for addressing full color and video rate antiferroelectric liquid crystal microdisplays. **2005**,
- 961 A study of near-lossless analog phase modulation in V-shaped switching FLC cells. **2005**, 5936, 209
- 960 62.4: Flexible Bistable Smectic-A LCD Based on PDLC. **2005**, 36, 1778 7
- 959 Photorefractive effects in ferroelectric liquid crystals. **2005**, 1
- 958 Manipulation of microparticles using surface stabilized ferroelectric liquid crystals (Invited Paper). **2005**, 1
- 957 23.3: A Novel Mono-Domain Alignment Method for Ferroelectric Liquid Crystal Applying to Half-V Shape Mode Field Sequential Color Displays. **2005**, 36, 1084 5
- 956 Polymer-Stabilized Ferroelectric Liquid Crystals and their Spontaneous Polarization. **2005**, 18, 33-38 2
- 955 Influence of Polymer Wall Formation on Alignment Behaviors of Ferroelectric Liquid Crystal Devices. **2005**, 18, 27-32
- 954 P-105: A Study of Chiral Splay Nematic Liquid Crystal Cell Parameters for Permanent Bistability. **2005**, 36, 698
- 953 P-106: Optical Performance of Bistable Reflective and Transflective Ferroelectric LCDs. **2005**, 36, 702 1
- 952 Encapsulated Liquid Crystal Materials for Flexible Display Applications. **2005**, 313-330 4

951	Ferroelectric liquid crystals: The 2004 Benjamin Franklin Medal in Physics presented to Robert B. Meyer of Brandeis University. <b>2005</b> , 342, 599-608	5
950	Quantitative experimental determination of the Landau-potential of chiral enantiomer doped ferroelectric liquid crystals. <b>2005</b> , 18, 373-81	12
949	Theoretical model of the transition between C1 and C2 chevron structures in smectic liquid crystals. <b>2005</b> , 18, 231-7	2
948	Observation of a Chiral Smectic Phase in Azobenzene-Linked Bolaamphiphiles Containing Free Sugars. <b>2005</b> , 15, 1579-1584	37
947	Electro-Optic Response in a Racemic Smectic C Liquid Crystal. <b>2005</b> , 17, 1077-1080	17
946	Compatibilization of a Photochromic Dithienylethene Dopant and Ferroelectric Liquid-Crystal Host via Siloxane Nanosegregation. <b>2005</b> , 17, 567-571	17
945	Pyroelectric investigations of a hydrogen bonded ferroelectric liquid crystal gel by LMM. <b>2005</b> , 16, 11-18	
944	. <b>2005</b> ,	317
943	. <b>2005</b> ,	31
942	Giant-block twist grain boundary smectic phases. <b>2005</b> , 102, 14191-6	39
941	Alignment Properties and EO Performances of Flexible TN-LCD Using In-Situ Photoalignment Method with the Polymer Film. <b>2005</b> , 434, 143/[471]-150/[478]	1
940	Molecular Orientation Dynamics of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2005</b> , 44, 7123-7125	4
939	Linear Gray Level Adjustment for Ferroelectric Liquid Crystal Cell. <b>2005</b> , 44, 1871-1874	2
938	A Study on the Orientational Ordering Deformation in Ferroelectric Liquid Crystal during Bending of the Plastic Substrate. <b>2005</b> , 44, 7528-7531	7
937	Polarizationilt coupling of a ferroelectric liquid crystal with varying molecular configuration. <b>2005</b> , 17, 4403-4410	2
936	Generation of frustrated liquid crystal phases by mixing an achiral nematic-smectic-C mesogen with an antiferroelectric chiral smectic liquid crystal. <b>2005</b> , 122, 144906	19
935	Inducing an antiferroelectric phase by segregating the layers of an intrinsically ferroelectric phase-only liquid crystal with linear-shaped molecules. <b>2005</b> , 98, 094110	14
934	Effects of Weak Anchoring on C1 and C2 Chevron Structures. <b>2005</b> , 438, 17/[1581]-25/[1589]	3

933	The molecular structure and orientation of antiferroelectric liquid crystal using the density-functional theory and two-dimensional correlation-polarized infrared spectroscopy. <b>2005</b> , 122, 214913		7
932	Experimental determination of the full Landau potential of bent-core doped ferroelectric liquid crystals. <i>Physical Review E</i> , <b>2005</b> , 72, 041713	2.4	21
931	Dielectric spectroscopy of de Vries-type smectic-A* -smectic-C* transitions. <i>Physical Review E</i> , <b>2005</b> , 71, 041704	2.4	47
930	Memory effect in smectic-A phase of ferroelectric liquid crystal. <b>2005</b> , 97, 084106		6
929	Electro-optical and dielectric relaxation studies of an antiferroelectric liquid-crystal mixture (W-132A). <b>2005</b> , 98, 013543		40
928	Fabrication of Patterned Liquid-Crystalline Nanocomposites and their Novel Characteristics. <b>2005</b> , 432, 59-68		1
927	Electro-optical switching properties for measuring the parameters of a ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>2005</b> , 32, 307-314	2.3	22
926	Modeling of Soft Matter. <b>2005</b> ,		2
925	Variational Problems and Modeling of Ferroelectricity in Chiral Smectic C Liquid Crystals. <b>2005</b> , 169-188		1
924	Smectic Layer Structures in Complex Geometries Modelling Complex Layer Structures in Smectic Liquid Crystals. <b>2005</b> , 315, 173-181		1
923	Optical Bragg Scattering from a Polymer-Stabilized Anti-Ferroelectric Liquid Crystal. <b>2005</b> , 321, 53-61		2
922	Photonics Devices Based on Hybrid Approach Combining Liquid Crystals and Sol-Gel Waveguides. <b>2005</b> , 429, 149-165		
921	A chiral electrooptic response in a racemic liquid crystal. <b>2005</b> , 1546-8		14
920	A fast response smectic LCD using induced polarization. <b>2005</b> , 6, 6-11		2
919	Demonstration of the antiferroelectric aspect of the helical superstructures in Sm-C*, Sm-C*alpha, and Sm-C*a liquid crystals. <i>Physical Review E</i> , <b>2005</b> , 71, 051703	2.4	22
918	A New Insight on the Bistability and Relevant Phenomena in Ferroelectric Smectic C* Liquid Crystals. <b>2005</b> , 429, 31-53		3
917	Molecular Alignment Structure and Switching of a Ferroelectric Liquid Crystal Stabilized by a Polymer Network Created in the SmA Phase. <b>2005</b> , 437, 195/[1439]-202/[1446]		5
916	Viscoelastic behaviour of the SmC* phase. <i>Liquid Crystals</i> , <b>2005</b> , 32, 579-584	2.3	

915	High frequency hysteresis-free switching in thin layers of smectic-C* ferroelectric liquid crystals. <i>Physical Review E</i> , <b>2005</b> , 71, 051715	2.4	21
914	On the Nature of the B4 Banana Phase: Crystal or Not a Crystal?. <b>2005</b> , 5, 2091-2099		73
913	The Effect of Electric Fields on Selective Reflection in the SmC* Phase of Two Antiferroelectric Liquid Crystals. <b>2005</b> , 439, 125/[1991]-133/[1999]		1
912	Directed Metalation-Cross Coupling Route to Ferroelectric Liquid Crystals with a Chiral Fluorenoil Core: The Effect of Intermolecular Hydrogen Bonding on Polar Order. <b>2005</b> , 17, 2574-2581		26
911	Rollable ferroelectric liquid crystal devices monostabilized with molecularly aligned polymer walls and networks. <i>Liquid Crystals</i> , <b>2005</b> , 32, 221-227	2.3	22
910	Electro-optic routing in a nematic liquid-crystal waveguide. <i>Applied Optics</i> , <b>2005</b> , 44, 4136-43	1.7	23
909	High-speed infrared phase modulators using short helical pitch ferroelectric liquid crystals. <b>2005</b> , 13, 7732-40		14
908	Ferroelectrics and Antiferroelectrics. <b>2005</b> , 903-938		12
907	Introduction. <b>2005</b> , 13, 461		13
906	Synthesis and characterization of side chain liquid crystalline polymers exhibiting cholesteric and blue phases. <i>Liquid Crystals</i> , <b>2005</b> , 32, 1161-1167	2.3	23
905	Stability of equilibrium states in finite samples of smectic C* liquid crystals. <b>2005</b> , 38, 1853-1873		1
904	Spontaneous spreading of nematic liquid crystals. <b>2005</b> , 21, 6270-6		36
903	(S)-Isoleucine and (R)-2-octanol as chiral precursors of new chiral liquid crystalline thiadiazoles: synthesis, mesomorphic and ferroelectric properties. <i>Liquid Crystals</i> , <b>2006</b> , 33, 739-745	2.3	20
902	The intrinsic photoferroelectric effect in the smectic C* phase of a chiral azobenzene. <b>2006</b> , 16, 4170		16
901	Phase modulation with the next generation of liquid crystal over silicon technology. <b>2006</b> , 16, 3359		19
900	Phase-Transitions in Langmuir-Blodgett and Cast Films of a Ferroelectric Liquid Crystal.		
899	Frequency response due to the orientational motion of the director around the smectic cone in a surface stabilized ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>2006</b> , 33, 1207-1214	2.3	4
898	Fast-Response Infrared Ferroelectric Liquid Crystal Phase Modulators. <b>2006</b> , 453, 343-354		3

897	Photonics Devices Based on Hybrid Approach Combining Liquid Crystals and Sol-Gel Waveguides. <b>2006</b> , 25, 175-194		2
896	Dynamic behaviors of dual frequency liquid crystals in bistable chiral tilted-homeotropic nematic liquid crystal cell. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 051920	3-4	15
895	Bistable FLC Panels with Film Substrates using a Novel Adhesive Patterned Spacer Technology. <b>2006</b> , 344, 197-203		3
894	Micromanipulation Method using Backflow Effect of Liquid Crystals. <b>2006</b> ,		1
893	Optical configurations for an achromatic transflective liquid crystal cell. <b>2006</b> , 7, 19-24		2
892	Examination of the interlayer strength of smectic liquid crystals through the study of partially fluorinated and branched fluorinated end-groups. <b>2006</b> , 16, 2181		26
891	Introduction. <b>2006</b> , 14, 529		1
890	Introduction. <b>2006</b> , 14, 537		
889	Characterization of Langmuir-Blodgett films of a ferroelectric liquid crystal. <b>2006</b> , 110, 1722-6		8
888	Synthesis and Characterization of ABA Triblock Copolymers Containing Smectic C* Liquid Crystal Side Chains via Ring-Opening Metathesis Polymerization Using a Bimetallic Molybdenum Initiator. <b>2006</b> , 39, 3993-4000		29
887	Analog low-loss full-range phase modulation by utilizing a V-shaped switched ferroelectric liquid-crystal cell in reflective mode. <b>2006</b> , 31, 2906-8		5
886	Three-level phase modulator based on orthoconic antiferroelectric liquid crystals. <b>2006</b> , 31, 3158-60		11
885	Liquid Crystals. <b>2006</b> , 917-951		2
884	Near-lossless continuous phase modulation using the analog switching mode (V-shaped switching) in ferroelectric liquid crystals. <i>Applied Optics</i> , <b>2006</b> , 45, 5258-69	1.7	3
883	Resolution in optically addressed spatial light modulators based on dye-doped liquid crystals. <i>Applied Optics</i> , <b>2006</b> , 45, 8889-92	1.7	6
882	A Study of a Binary Liquid-Crystalline Mixtures with the Wide Antiferroelectric Phase. <b>2006</b> , 343, 225-232		5
881	Development of low anchoring strength liquid crystal mixtures for bistable nematic displays. <b>2006</b> ,		1
880	P-160: Horizontal Switching of a Double-Cellgap Liquid Crystal Cell for Transflective Display. <b>2006</b> , 37, 813		

- 879 P-170: Novel Ferroelectric Glassy Liquid Crystal and Mixtures with Wide SmC\* Mesophase. **2006**, 37, 857 1
- 878 Optical Modulators. **2006**, 11-1-11-42
- 877 Novel ferroelectric liquid crystals consisting glassy liquid crystal as chiral dopants. **2006**,
- 876 Polymer-Stabilized Ferroelectric Liquid Crystals Photocured under the Application of a Bipolar AC Electric Field. **2006**, 19, 163-168 10
- 875 Optical control of orientational bistability in photorefractive liquid crystals. **2006**, 5, 185-188 36
- 874 Reconstruction of the order parameter of oriented liquid crystal droplets. **2006**, 101, 642-648 3
- 873 71A-1 DOBAMBC and analogues: 71A-1(A)  $C_nH_{2n+1}O-CH=N-CH=CHCOOCH_2CH(CH_3)C_2H_5$  [F], 71A-1(B)  $C_2H_2n+1O-CH=N-CH=CHCOOCH(CH_3)C_mH_{2m+1}$  [F], 71A-1(C)  $C_nH_{2n+1}O-CH=N-COOCH_2CH(CH_3)C_2H_5$  [F]. 1-35
- 872 Electrooptic study of antiferroelectric mixtures for display application. **2006**, 14, 19
- 871 Distortion and unwinding of the helical structure in polymer-stabilized short-pitch ferroelectric liquid crystal. **2006**, 20, 327-33 26
- 870 Nanoferroelectrics: statics and dynamics. **2006**, 18, R361-86 159
- 869 Curved Ferroelectric Liquid Crystal Matrix Displays Driven by Field-Sequential-Color and Active-Matrix Techniques. **2006**, 13, 14-19
- 868 An Alternative Continuum Description of Smectic C liquid Crystals with Molecular Elastic Interactions. **2006**, 382, 123-128 1
- 867 Main-chain chiral smectic liquid-crystalline ionomers containing sulfonic acid groups. **2006**, 99, 1254-1263 9
- 866 Current topics in smectic liquid crystal research. **2006**, 7, 20-45 282
- 865 Synthesis of Novel Liquid-Crystalline Allene Derivatives with Ferroelectric Properties. **2006**, 1996, 1375-1379 3
- 864 Study on Birefringent Color Generation for a Reflective Ferroelectric Liquid Crystal Display. **2006**, 45, 7819-7826 4
- 863 Horizontal Switching of Double-Cellgap Liquid Crystal Cell for Superachromatic Transflective Display. **2006**, 45, 8769-8774 7
- 862 Probing field-induced submolecular motions in a ferroelectric liquid crystal mixture with time-resolved two-dimensional infrared spectroscopy. **2006**, 18, 7593-603 5

861	10.4: Fast-Response Flexible LCD Panel Driven by a Low -Voltage Organic TFT. <b>2006</b> , 37, 119		1
860	Director structures in achiral smectic C liquid crystal cells: field-induced twist domain nucleation. <i>Liquid Crystals</i> , <b>2006</b> , 33, 25-32	2.3	7
859	InP-based two-dimensional photonic crystals filled with polymers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 1611-1614		26
858	Thickness-independent memory effect in ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 122905	3.4	19
857	Influence of polymer network in polymer-stabilized ferroelectric liquid crystals and its direct observation using a confocal microscope. <b>2006</b> , 99, 014102		2
856	Back to the future: 30 years in challenging smectic liquid crystal displays and in clarifying scientific wonders. <i>Liquid Crystals</i> , <b>2006</b> , 33, 1339-1349	2.3	2
855	Analysis of Nonlocal Electrostatic Effects in Chiral Smectic C Liquid Crystals. <b>2006</b> , 66, 2107-2126		9
854	Dielectric relaxation in chevron surface stabilized ferroelectric liquid crystals. <i>Physical Review E</i> , <b>2006</b> , 73, 061702	2.4	16
853	Analog memory by recursive 2-stage switching. <b>2006</b> ,		2
852	Mechanisms of switching in an antiferroelectric liquid crystal device revealed by time-resolved X-ray scattering. <i>Liquid Crystals</i> , <b>2006</b> , 33, 451-457	2.3	4
851	Microwave Variable Phase Shifter of Coplanar Waveguide Using Ferroelectric Liquid Crystal. <b>2007</b> , 476, 105/[351]-113/[359]		9
850	Molecular Engineering for Ferroelectricity in Liquid Crystals. <b>2007</b> , 1-49		3
849	Tilt Angle, Spontaneous Polarization and LF Dielectric Relaxation Investigations in the Chiral Nematic and Smectic-C* Phases of a Hydrogen Bonded Ferroelectric Liquid Crystal (HBFLC) $\square$ 1 bpa. <b>2007</b> , 361, 18-36		12
848	Effect of Polymer Stabilization on Molecular Reorientational Motion of Ferroelectric Liquid Crystals. <b>2007</b> , 355, 176-181		3
847	Influence of the proximity of a N* $\square$ M $\square$ C* multicritical point on the electroclinic effect in the cholesteric phase. <i>Liquid Crystals</i> , <b>2007</b> , 34, 241-249	2.3	8
846	Dielectric Relaxation of FLC Showing Anomalous Behavior. <b>2007</b> , 5, 207-218		21
845	The influence of ac electric field on the domain growth and alignment of the ferroelectric liquid crystal cell with N* $\square$ C* phase transition. <b>2007</b> , 101, 104513		5
844	Reduction in Driving Voltage of Vertically Aligned Ferroelectric Liquid Crystal Display by Diminishing Anchoring Force of Alignment Layer. <b>2007</b> , 46, 5917-5919		8

843	Dielectric Relaxation of Dye-Doped Ferroelectric Liquid Crystal Mixture: A Comparative Study of Smectic C* and Smectic A Phase. <b>2007</b> , 46, 1100-1105		23
842	Polymer Alignment Behavior with Molecular Switching of Ferroelectric Liquid Crystal. <b>2007</b> , 46, L37-L39		
841	Liquid Crystals: A Unique Phase of Matter. <b>2007</b> , 1-80		
840	In-plane bistable nematic liquid crystal devices based on nanoimprinted surface relief. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 073504	3-4	76
839	Experimental study for the conditions of analog switching in ferroelectric liquid crystal cells. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 052911	3-4	9
838	Bistable Switching in Photorefractive Surface Stabilized Ferroelectric Liquid Crystals. <b>2007</b> , 465, 341-358		2
837	Photorefractive organic material for optical thresholding. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 081110	3-4	3
836	Fabrication of Defect-Free Ferroelectric Liquid Crystal Cells with Anti-Parallel Rubbed Alignment Films. <b>2007</b> , 347, 168-173		
835	Polarity-sensitive switching induced by the electric field in a self-assembled nematic system from two different achiral species of molecules. <b>2007</b> , 102, 084108		2
834	Solitary wave propagation in antiferroelectric liquid crystal cells and the quadrupolar term in the interlayer interaction. <i>Physical Review E</i> , <b>2007</b> , 76, 011708	2-4	16
833	Switching dynamics of surface stabilized ferroelectric liquid crystal cells: effects of anchoring energy asymmetry. <i>Physical Review E</i> , <b>2007</b> , 75, 061706	2-4	20
832	Photoinduced chirality in azobenzene-containing polymer systems. <b>2007</b> , 9, 3671-81		70
831	Thermodielectric bistability in dual frequency nematic liquid crystal. <b>2007</b> , 98, 097801		12
830	Temperature-induced sign reversal of biaxiality observed by conoscopy in some ferroelectric Sm-C* liquid crystals. <i>Physical Review E</i> , <b>2007</b> , 76, 011709	2-4	10
829	Layer rotation mechanism in the chiral smectic C phase. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 231902	3-4	1
828	Dielectric spectroscopy of a smectic liquid crystal. <i>Liquid Crystals</i> , <b>2007</b> , 34, 981-986	2-3	7
827	Liquid Crystals and Devices. 287-311		
826	Phase-transitions in Langmuir-Blodgett and cast films of a ferroelectric liquid crystal. <b>2007</b> , 23, 775-9		

- 825 Enhanced instrumentation system to characterize the electric behavior of AFLC displays. **2007**,
- 824 P-112: Low Driving Voltage with Clean Aligned Ferroelectric Liquid Crystal Devices. **2007**, 38, 622-624
- 823 Grayscale Generation and Stabilization in Ferroelectric Liquid Crystal Display. **2007**, 3, 273-279 11
- 822 Ferroelectric liquid crystals induced by dopants with axially chiral 2,2'-spirobiindan-1,1'-dione cores: diether vs. diester side-chains. *Liquid Crystals*, **2007**, 34, 1095-1106 2,3 8
- 821 LIGHT POLARIZATION MODULATION WITH FERROELECTRIC LIQUID CRYSTALS. **2007**, 87, 3-12 3
- 820 Antiferroelectric liquid crystals with induced intermediate polar phases and the effects of doping with carbon nanotubes. **2007**, 353, 4411-4417 31
- 819 Shifting of transition temperature of ferroelectric liquid crystals due to addition of dye-An optical and dielectric study. **2007**, 68, 523-529 20
- 818  $\bar{V}$ min addressing mode and an improved equivalent circuit model for ferroelectric liquid crystal displays. **2007**, 1, 16-22 1
- 817 Optimization of surface stabilized ferroelectric liquid crystal cells for efficient optical switching. **2007**,
- 816 Electro-optical and dielectric characterizations of the Goldstone mode relaxation in ferroelectric chiral smectic C liquid crystals. **2007**, 19, 296203 7
- 815 A liquid crystalline polymer microlens array with tunable focal intensity by the polarization control of a liquid crystal layer. *Applied Physics Letters*, **2007**, 91, 221113 3-4 29
- 814 Memory effect in Sm C\* phase of electroclinic liquid crystals. **2007**, 101, 074112 9
- 813 Determination of the Landau potential of chiral enantiomer ferroelectric liquid crystal mixtures. **2007**, 3, 207-213 4
- 812 Ferroelectric Liquid Crystal Cell With Phase Separated Composite Organic Film. **2007**, 347, 127-131 1
- 811 Molecular recognition in chiral smectic liquid crystals: the effect of core-core interactions and chirality transfer on polar order. **2007**, 36, 2033-45 61
- 810 Collective fluctuation in chiral smectic phases of main-chain liquid crystalline polymers. *Liquid Crystals*, **2007**, 34, 305-310 2,3 8
- 809 Photorefractive Binary System Based on Ferroelectric Liquid Crystals. **2007**, 111, 7834-7840 4
- 808 Effects of Pixel Boundary on Memory Time of Bistable Chiral Splay Nematic Liquid Crystal Cell. **2007**, 476, 85/[331]-93/[339] 4

807	Demonstration of switching operation in a symmetric Mach-Zehnder interferometer switch using Si waveguide with a ferro-electric liquid crystal cladding. <b>2007</b> ,	2
806	Introduction. <b>2007</b> , 15, 853	0
805	Liquid crystal dimers possessing chiral rod-like anisometric segments: synthesis, characterization and electro-optic behaviour. <i>Liquid Crystals</i> , <b>2007</b> , 34, 153-167	2.3 39
804	Enhanced electro-optical properties in gold nanoparticles doped ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 023120	3.4 145
803	Chiral induction in nematic and smectic C liquid crystal phases by dopants with axially chiral 1,11-dimethyl-5,7-dihydrodibenz[c,e]thiepin cores. <b>2007</b> , 17, 5068	27
802	. <b>2007</b> ,	28
801	. <b>2007</b> ,	56
800	A general method for measurement of enantiomeric excess by using electrooptics in ferroelectric liquid crystals. <b>2007</b> , 46, 1473-5	13
799	A General Method for Measurement of Enantiomeric Excess by Using Electrooptics in Ferroelectric Liquid Crystals. <b>2007</b> , 119, 1495-1497	4
798	A process for fabricating flexible reflective display devices using a composite film of ferroelectric liquid crystal and polymer. <b>2007</b> , 90, 33-39	1
797	Synthesis of New Enantiopure Fluorinated Phenylcyclopropanecarboxylates [Potential Chiral Dopants for Liquid-Crystal Compositions. <b>2007</b> , 2007, 141-148	22
796	Electric-field-driven deracemization. <b>2007</b> , 8, 170-4	12
795	Theoretical design of sulfinate-based ferroelectric liquid crystals displaying second-order nonlinear optical properties. <b>2007</b> , 440, 116-120	7
794	High dielectric behavior and memory effect in a deformed helix ferroelectric liquid crystal with an antiferroelectric phase. <b>2007</b> , 443, 71-75	18
793	Compatibility of temporal multiplexed spatial light modulator with optical image processing. <b>2007</b> , 275, 27-37	1
792	Structural and dynamical properties of the chiral smectic C phase of ferroelectric liquid crystals showing high spontaneous polarizations. <b>2007</b> , 399, 60-65	7
791	Comparative study of the dielectric properties of an antiferroelectric liquid crystal in planar aligned cells and in microporous membrane. <b>2007</b> , 133, 104-110	6
790	Effect of Dichroic dye on dielectric properties of ferroelectric liquid crystals: A comparative study. <b>2007</b> , 68, 1700-1706	10

- 789 Preservation of Conditionally Nonblocking Switches Under Two-Stage Interconnection. **2007**, 55, 973-980 11
- 788 Modifying electrooptics of orthoconic antiferroelectric liquid crystal cells by manufacturing procedures. **2007**, 15, 11
- 787 Nanoparticles in Liquid Crystals: Synthesis, Self-Assembly, Defect Formation and Potential Applications. **2007**, 17, 483-508 265
- 786 A phase-stepped grating technique for frequency shifting in laser Doppler velocimetry. **2007**, 45, 1067-1070 3
- 785 Structural, electro-optical and dielectric characterizations of ferroelectric liquid crystals showing the SmC\* $\rightarrow$ SmA\* $\rightarrow$ N\* phase sequence. **2007**, 390, 34-39 12
- 784 Analogue-driven bistable ferroelectric liquid crystals. **2008**, 57, 187-196
- 783 Manifestation of a Chiral Smectic C Phase in Diphenylbutadiene-Cored Bolaamphiphilic Sugars. **2008**, 18, 1632-1640 16
- 782 Dielectric permittivity-voltage hysteresis behavior in deformed helix ferroelectric liquid crystal. **2008**, 457, 315-319 4
- 781 Molecular relaxation in homeotropically aligned ferroelectric liquid crystals. **2008**, 403, 3316-3319 9
- 780 Electro-optic and dielectric behavior of a FLC material having doped with a non-mesogenic polar molecules. **2008**, 8, 542-548 6
- 779 Beam steering and deflecting device using step-based micro-blazed grating. **2008**, 281, 3969-3976 10
- 778 Density functional theory and two-dimensional correlation polarized infrared spectroscopy studies on the anti-ferroelectric liquid crystal (1-methylheptyl)4-(4?-decyloxy-4-biphenyl) oxymethylene benzoate. **2008**, 889, 45-53 2
- 777 Probing the material properties and phase transitions of ferroelectric liquid crystals by determination of the Landau potential. **2008**, 25, 385-93 5
- 776 Multistage polar switching in bent-core mesogens. **2008**, 25, 395-402 12
- 775 The influence of alkoxy chain length on the ferroelectric properties of chiral fluorene liquid crystals. **2008**, 18, 3361 4
- 774 Field Sequential Full Color LCDs using Polymer-stabilized V-shaped Ferroelectric Liquid Crystals. **2008**, 364, 78-85 11
- 773 Design of liquid crystals with "de Vries-like" properties: organosiloxane mesogen with a 5-phenylpyrimidine core. **2008**, 130, 13842-3 47
- 772 Propagation And Percolation In A Channel. **2009**, 415-441

771	New ferroelectric liquid crystals for high-performance optical devices. <i>Liquid Crystals</i> , <b>2008</b> , 35, 625-632	2.3	5
770	Landau model for polymer-stabilized ferroelectric liquid crystals: experiment and theory. <i>Physical Review E</i> , <b>2008</b> , 78, 051703	2.4	17
769	V-shaped switching ferroelectric liquid crystal structure stabilized by dielectric surface layers. <i>Physical Review E</i> , <b>2008</b> , 77, 031707	2.4	12
768	An improved equivalent circuit model and the dependence of hysteresis inversion frequency on typical parameters of V-shaped switching SSFLC cells for both bookshelf and chevron structures. <i>Liquid Crystals</i> , <b>2008</b> , 35, 373-379	2.3	
767	Display Technology. <b>2008</b> ,		
766	Electrically controlled birefringence colours in deformed helix ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2008</b> , 35, 1137-1144	2.3	21
765	Control of dynamic helicity at the macro- and supramolecular level. <b>2008</b> , 4, 1349-1372		226
764	Introduction. <b>2008</b> , 16, 675		10
763	Introduction. <b>2008</b> , 16, 947		2
762	Introduction. <b>2008</b> , 16, 1075		5
761	Influence of variations in liquid-crystalline content upon the self-assembly behavior of -based block copolymers. <b>2008</b> , 4, 1279-1287		25
760	Electrophysical Properties of an Antiferroelectric Liquid Crystal MOPB(H)PBC. <b>2008</b> , 365, 103-107		2
759	The Effect of Polymer Doping on the Formation of Helical Structure in Ferroelectric Liquid Crystals. <b>2008</b> , 364, 113-120		2
758	Flexible Display Technologies Using Ferroelectric Liquid Crystal: Low Driving-Voltage Panel Fabrication. <b>2008</b> , 364, 86-94		2
757	Stochastic resonance in soft matter systems: combined effects of static and dynamic disorder. <b>2008</b> , 4, 1861		42
756	Numerical and Experimental Dynamical Studies of Electro-Optical Response of Twisted FLC SmC* Cells. <b>2008</b> , 494, 68-78		1
755	A novel photoalignment film for ferroelectric liquid crystal based on self-assembled monolayer method. <i>Liquid Crystals</i> , <b>2008</b> , 35, 213-217	2.3	1
754	Developments in colour display devices. <b>2008</b> , 33, 1-14		6

753	Probing Molecular Binding Effect from Zinc Oxide Nanocrystal Doping in Surface-Stabilized Ferroelectric Liquid Crystal with Two-Dimensional Infrared Correlation Technique. <b>2008</b> , 112, 5410-5415	20
752	Design of polarisation-independent bidirectional optical switch. <b>2008</b> , 55, 1051-1063	3
751	Elastic coupling in polymer stabilized ferroelectric liquid crystals. <b>2008</b> , 41, 155422	21
750	Photonics and flexible display applications of phase-separated liquid crystals. <b>2008</b> ,	
749	An Influence of a Single Fluorine Atom Position in the Molecular Rigid Core on Physical Properties of Orthoconic Antiferroelectric Liquid Crystal. <b>2008</b> , 365, 78-87	19
748	Molecular Alignment Structure of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2008</b> , 480, 131-139	5
747	Photodielectric Properties of C60 Solution in the Ferroelectric Liquid Crystal. <b>2008</b> , 496, 269-277	4
746	A Memorable and Flexible Dot Matrix Type Display Using Ferroelectric Liquid Crystals. <b>2008</b> , 365, 148-157	4
745	Response Time of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2008</b> , 365, 108-114	6
744	A New Application of Ferroelectric Liquid Crystals: Fast Electrooptic Helmet Visors for Pulsed Welding Applications. <b>2008</b> , 364, 66-71	5
743	Novel chiral calamitic liquid crystalline oxadiazoles as ferroelectric materials. <i>Liquid Crystals</i> , <b>2008</b> , 35, 1251-1262	2.3 26
742	Dielectric and Thermal Study of the Electric-Field Influence on the Ferroelectric Phase Transition in Liquid Crystals. <b>2008</b> , 369, 133-138	1
741	Dielectric and electro-optical parameters of two ferroelectric liquid crystals: a comparative study. <b>2008</b> , 78, 065602	20
740	Experimental investigations of a chiral smectic glass-forming liquid crystal. <i>Liquid Crystals</i> , <b>2008</b> , 35, 1015-1022	26
739	Phase transitions in ferroelectric liquid crystals. <b>2008</b> , 81, 815-855	10
738	Ferroelectric nanostructures for device applications. <b>2008</b> , 541-569	2
737	X-ray Scattering Studies of Phase-Separated Composite Organic Film Cells. <b>2008</b> , 47, 1008-1011	5
736	Improved Equivalent Circuit Model for V-Shaped, Thresholdless Switching Ferroelectric Liquid Crystals. <b>2008</b> , 47, 3546-3551	

735	Microwave Variable Phase Shifter of Coplanar Waveguide Using Ferroelectric Liquid Crystal. <b>2008</b> , 47, 1367-1370			17
734	Pixel-Isolated Phase-Separated Composite Organic Film for Flexible Ferroelectric Liquid Crystal Display Applications. <b>2008</b> , 47, 2195-2199			1
733	Solitary wave propagation in surface stabilized ferroelectric liquid crystal cells. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 083510	3-4		3
732	Chiral Smectic *C Mesogens Having Ester and Amide Central Linkages. <b>2008</b> , 482, 103-116			
731	Fast Bistable Microlens Arrays Based on a Birefringent Layer and Ferroelectric Liquid Crystals. <b>2008</b> , 47, 6343-6346			12
730	Creep dynamics of structural defects in ferroelectric liquid crystals with chevron geometry. <b>2008</b> , 77,			10
729	Surface nematic bistability at nanoimprinted topography. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 153110	3-4		33
728	Asymmetric switching in a ferroelectric liquid crystal device. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 153506	3-4		8
727	Fabrication of Defect-Free Surface-Stabilized Ferroelectric Liquid Crystals Using Alignment Films Rubbed in Anti-Parallel. <b>2008</b> , 365, 27-34			2
726	Dynamical Properties of Ferroelectric Chiral Liquid Crystals by Electro-Optical and Dielectric Spectroscopy. <b>2008</b> , 41, 285-291			2
725	Switching and characteristic dielectric parameters of a room temperature antiferroelectric liquid crystal mixture. <b>2008</b> , 104, 054104			14
724	Application of a generalised thermodynamic model to study of the ferroelectric properties of DOBAMBC and DOBA-1-MPC. <i>Liquid Crystals</i> , <b>2008</b> , 35, 727-736	2-3		7
723	Safe and Ergonomic Welding Masks by Fast Liquid Crystals. <b>2008</b> , 494, 195-204			1
722	Monodomain alignment of the smectic-A liquid crystalline phase from the isotropic phase. <b>2008</b> , 104, 044902			6
721	Ferroelectric Liquid Crystal Cell With Phase Separated Composite Organic Film. <b>2008</b> , 364, 107-112			1
720	P-163: Mono-Domain Alignment of the SmC Liquid Crystalline Phase for Analog Display Applications. <b>2008</b> , 39, 1811			
719	Molecular Alignment in Ferroelectric Liquid Crystal Display Having Microscopically Patterned Electrodes. <b>2008</b> , 21, 207-211			
718	Memory effect near transition temperature in Sm C* phase in nonsurface stabilized ferroelectric liquid crystals. <b>2008</b> , 104, 083525			5

- 717 Dynamic switching behavior of bistable chiral-tilted homeotropic nematic liquid crystal displays. **2008**, 104, 074509 4
- 716 Liquid Crystal Light Valves and Microdisplays. **2008**, 29-56
- 715 Metastable States Observed Due to Phase Transformation Kinetics in Polymers. **2008**, 157-235 2
- 714 Liquid Crystals with X?Y Groups. **2009**,
- 713 Role of Lifshitz Invariants in Liquid Crystals. **2009**, 2, 674-698 4
- 712 Reorientational Motion of Polymer-Stabilized Ferroelectric Liquid Crystals. **2009**, 508, 267/[629]-273/[635] 4
- 711 High contrast chiral nematic liquid crystal device using negative dielectric material. *Applied Physics Letters*, **2009**, 95, 193502 3-4 14
- 710 Mechanical switching of ferroelectric rubber. *Physical Review E*, **2009**, 79, 061704 2-4 7
- 709 Phase Transitions and recent advances in liquid-crystals research. **2009**, 82, 831-849 8
- 708 Electro-optical characteristics of omnidirectional liquid crystal domain mode using doughnut-shaped slit electrodes. **2009**, 105, 073107 1
- 707 Electro-optical Characteristics of Polymer Stabilized Vertically Aligned FLC Cell with Application of In-Plane Electric Field. **2009**, 507, 73-83 3
- 706 Dielectric Spectroscopy of Para-, Ferro-, and Anti-Ferro-Electric Phases of (S)-(+)-(1-Methylheptyloxycarbonyl)Phenyl 4?-(6-Perfluoropentanoyloxyhex-1-Oxy) Biphenyl-4-Carboxylate. **2009**, 7, 54-65 5
- 705 Polymer-Stabilized Ferroelectric Liquid Crystals Photocured at Nematic Phase. **2009**, 509, 349/[1091]-355/[1096]
- 704 Holographic Recordings Using Bistable SmC\* Structures. **2009**, 502, 195-206 2
- 703 Capability of Gray Scale in Bistable Chiral Splay Nematic Liquid Crystal Display. **2009**, 507, 188-193 1
- 702 Characteristic switching and dielectric parameters of ferro- and anti-ferroelectric phases of (S)-(+)-(1-methylheptyloxycarbonyl) phenyl 4?-(6-perfluoropentanoyloxyhex-1-oxy) biphenyl-4-carboxylate. **2009**, 42, 095402 20
- 701 Influence of Hydrogen Bonding on Device Parameters and Field Response in N\* and SmC\* Phases of a Ferroelectric Liquid Crystal, HBFLC: 12 bpa. **2009**, 515, 71-98 3
- 700 High speed large viewing angle shutters for triple-flash active glasses. **2009**, 2

699	Enhanced Memory Effect in Conducting Polymer Coated Surfaces of Ferroelectric Liquid Crystals. <b>2009</b> , 2, 121401	1
698	A Fast Transflective Ferroelectric Liquid Crystal Display with Gray Scales in a Single Gap Geometry with Dual Transverse Electric Fields. <b>2009</b> , 48, 090204	
697	Tailoring switching properties of dipolar species in ferroelectric liquid crystal with ZnO nanoparticles. <b>2009</b> , 42, 125413	28
696	Characteristic dielectric parameters of para-, ferro- and antiferro-electric phases of (S)-4-(1-methylheptyloxycarbonyl)phenyl-4'-(6-pentanoyloxyhex-1-oxy)biphenyl-4-carboxylate. <b>2009</b> , 70, 316-321	12
695	Measurement of electro-optical parameters of a high contrast FLC film. <b>2009</b> , 282, 1345-1348	
694	Crystallization kinetics study on tilted ordering in N-(p-n-alkoxybenzylidene)-p-n-alkylanilines (nO.m compounds) by thermal and electrical techniques. Part I. <b>2009</b> , 404, 1310-1315	2
693	Double hydrogen bonded ferroelectric liquid crystals: A study of field induced transition (FiT). <b>2009</b> , 149, 2090-2097	56
692	Dielectric and electro-optic behavior of pure ferroelectric liquid crystal material and the isomeric mixtures. <b>2009</b> , 9, 605-609	11
691	Specific features of the switching and electro-optics of ferroelectric liquid crystals. <b>2009</b> , 51, 1578-1585	1
690	Dynamics of domain-wall motion in ferroelectric liquid crystals in an electric field. <b>2009</b> , 51, 2415-2420	5
689	The Influence of Alkyl Spacer on Helical Structure of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2009</b> , 509, 356/[1098]-362/[1104]	
688	Fabrication of Defect-Free Ferroelectric Liquid Crystal Cells Using Combination of Different Pretilt Alignment Films Rubbed in Anti-Parallel. <b>2009</b> , 512, 1/[1847]-11/[1857]	2
687	Electro-optic properties of polymer-stabilized ferroelectric liquid crystals before, during and after photo-polymerization. <b>2009</b> , 11, 024022	18
686	Fast switching characteristics of a microlens array using the electroclinic effect of SmA* liquid crystals. <b>2009</b> , 48, 3737-41	5
685	Synthesis and Characterization of Double Hydrogen Bonded Ferroelectric Liquid Crystals Exhibiting Reentrant Smectic Ordering. <b>2009</b> , 392, 81-97	37
684	Free alignment defect, low driving voltage of half-V ferroelectric liquid crystal device. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 083501	3-4 3
683	The detection of chiral perturbations in ferroelectric liquid crystals induced by dopants with axially chiral 2,2'-spirobiindan-1,1'-dione cores. <b>2009</b> , 19, 5188	4
682	Molecular complexity and the control of self-organising processes. <i>Liquid Crystals</i> , <b>2009</b> , 36, 567-605	2,3 108

681	Defect dynamics in ferroelectric liquid crystals of the chevron structure. <b>2009</b> , 79,		7
680	Thermodynamic and dielectric studies of liquid crystalline compound (S)-(+)-4-(1-methylheptyloxycarbonyl)phenyl 4'-(6-octanoyloxyhex-1-oxy)biphenyl-4-carboxylate. <b>2009</b> , 82, 251-265		5
679	The synthesis and mesomorphic properties of liquid crystals with bulky terminal groups designed for bookshelf geometry ferroelectric mixtures. <i>Liquid Crystals</i> , <b>2009</b> , 36, 1417-1430	2.3	14
678	Rubbed Polyimide Thin Films for Zigzag Free Surface Stabilized Ferroelectric Liquid Crystal. <b>2009</b> , 508, 226/[588]-235/[597]		
677	Determination of the bulk rotational viscosity coefficient in a chiral smectic C* liquid crystal. <b>2009</b> , 82, 444-451		6
676	Technical evolution of liquid crystal displays. <b>2009</b> , 1, 29-36		104
675	Experimental Determination of Elastic and Viscous Parameters of Liquid Crystals. <b>2009</b> , 179-281		1
674	66.4: Surface Polarity Controlled Horizontal Chevron Defect Free Surface Stabilized Ferroelectric Liquid Crystal Devices. <b>2009</b> , 40, 1003		
673	Liquid Crystals for Display and Photonics Applications. <b>2009</b> , 283-377		1
672	45.2: Distinguished Paper: An over 500 Hz Frame Rate Drivable PSS-LCD: Its Basic Performance. <b>2009</b> , 40, 669		3
671	27.3: Horizontal Chevron Defect Free Half-V Mode Ferroelectric Liquid Crystal Devices Based on Asymmetrical Hybrid Alignment Techniques. <b>2010</b> , 41, 391		
670	27.4L: Late-News Paper: A New Mode LCD with Intrinsic Continuous Grayscale Memory Using Ferroelectric Liquid Crystalline Polymer. <b>2010</b> , 41, 394		1
669	16.4: The Optics of an Autostereoscopic Multiview Display. <b>2010</b> , 41, 222		8
668	Dependence of Characteristics of Polymer-Stabilized Ferroelectric Liquid Crystals on Monomer Materials. <b>2010</b> , 23, 349-352		10
667	Communication: Experimental proof of symmetry breaking in tilted smectics composed of molecules with axial chirality. <b>2010</b> , 133, 221102		5
666	Bistability of a chevron smectic C* liquid crystal in an external electric field. <b>2010</b> , 52, 1985-1991		
665	Orientational effects in chevron smectics C* in an external electric field. <b>2010</b> , 52, 2207-2214		3
664	Determination of bulk values of twist elasticity coefficient in a chiral smectic C* liquid crystal. <b>2010</b> , 18,		4

663	Linear and non-linear dielectric properties of a short-pitch ferroelectric liquid crystal stabilized by a polymer network. <b>2010</b> , 33, 335-42		3
662	A study of field induced transitions (FiT) in the nematic phase of an inter hydrogen bonded ferroelectric liquid crystal. <b>2010</b> , 12, 482-489		29
661	Electro-optic and dynamic studies of biphenyl benzoate ferroelectric liquid crystals. <b>2010</b> , 405, 2151-2156		7
660	Polymer-induced improvements in ferroelectric liquid crystal. <b>2010</b> , 31, 1776-1781		13
659	Three-dimensional structure and multistable optical switching of triple-twisted particle-like excitations in anisotropic fluids. <b>2010</b> , 9, 139-45		209
658	Abiding Electro-Optic Memory Effect Based on Deformed Helix Ferroelectric Liquid Crystal. <b>2010</b> , 3, 091701		7
657	Liquid crystal optical switches. <b>2010</b> , 206-240		3
656	Measurement of Polymer Stabilization Strength in Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2010</b> , 394, 32-39		1
655	Triboelectric activation of ferroelectric liquid crystal memory devices. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 124108	3-4	5
654	Memory effect in cadmium telluride quantum dots doped ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 163113	3-4	64
653	Heat-driven and electric-field-driven bistable devices using dye-doped nematic liquid crystals. <b>2010</b> , 107, 123108		21
652	The effect of SiO <sub>x</sub> alignment layer thickness on the switching of SmC* bistable liquid crystal devices. <b>2010</b> , 107, 014103		1
651	Molecular Alignment of Ferroelectric Liquid Crystal in Wide-Gap Cell for Liquid Crystal Lens. <b>2010</b> , 49, 09MC10		3
650	A typical noiseless Pockels E field sensor. <b>2010</b> , 81, 114701		2
649	Double Hydrogen Bonded Liquid Crystals: A Study of Light Modulation and Field Induced Transition (FiT). <b>2010</b> , 517, 113-126		30
648	The pumping phenomenon in smectic C* liquid crystals. <i>Liquid Crystals</i> , <b>2010</b> , 37, 799-809	2-3	
647	An effect of structurally non-compatible additive on the properties of a long-pitch orthoconic antiferroelectric mixture. <b>2010</b> , 83, 551-563		46
646	Ferroelectric liquid crystal composites based on the porous stretched polyethylene films. <i>Liquid Crystals</i> , <b>2010</b> , 37, 517-525	2-3	3

645	Fabrication of pseudo-pi vertical alignment mode liquid crystal devices with ultra-violet polymerisation and investigations of their electro-optical characteristics. <i>Liquid Crystals</i> , <b>2010</b> , 37, 997-1012	2.3	11
644	Dielectric relaxation spectroscopy and electro-optical studies of a new, partially fluorinated orthoconic antiferroelectric liquid crystal material exhibiting V-shaped switching. <i>Liquid Crystals</i> , <b>2010</b> , 37, 369-375	2.3	17
643	A Study of Reentrant Smectic Ordering in Hydrogen Bonded Ferroelectric Dodecyloxy Benzoic Acid and Tartaric Acid Liquid Crystal. <b>2010</b> , 517, 43-62		26
642	Design, Synthesis and Characterization of Hydrogen-Bonded Ferroelectric Liquid Crystals. <b>2010</b> , 524, 54-67		10
641	Study of Optical Shutter in Cholesteric Phase of a Double Hydrogen-Bonded Ferroelectric Liquid Crystal with Two Chiral Carbons. <b>2010</b> , 528, 163-177		9
640	Recent developments in polymer stabilised liquid crystals. <b>2010</b> , 1, 1153		72
639	Antiferroelectric liquid crystals: Interplay of simplicity and complexity. <b>2010</b> , 82, 897-937		122
638	High extinction polarimeter for the precision measurement of the in-plane optical anisotropy of molecular monolayers. <b>2010</b> , 26, 11686-9		10
637	Occurrence of Ambient Temperature and Reentrant Smectic Ordering in an Intermolecular Hydrogen Bonding between Alkyl Aniline and Alkoxy Benzoic Acids. <b>2010</b> , 524, 131-143		24
636	Design of liquid crystals with "de Vries-like" properties: frustration between SmA- and SmC-promoting elements. <b>2010</b> , 132, 364-70		83
635	Phase modulation and ellipticity of the light transmitted through a smectic C* layer with short helix pitch. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1067-1081	2.3	21
634	Dielectric and Electrical Investigations in Pure and Dyed Short Pitch High Spontaneous Polarization Liquid Crystals. <b>2010</b> , 524, 119-130		3
633	Shock-free ferroelectric liquid crystal displays with high optical contrast. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 251913	3.4	16
632	30 to 50 ns liquid-crystal optical switches. <b>2010</b> , 18, 18886-93		19
631	Time-resolved switching analysis of a ferroelectric liquid crystal by snapshot Mueller matrix polarimetry. <b>2010</b> , 35, 1019-21		21
630	Introduction. <b>2010</b> , 18, 976		1
629	Unconventional ferroelectric behavior in nanosegregating liquid crystals with de Vries-like behavior. <i>Physical Review E</i> , <b>2010</b> , 82, 031703	2.4	9
628	Electroclinic effect in the chiral smectic A and cholesteric phases at the proximity of a N*BmAmC* multicritical point. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1313-1319	2.3	3

627	Low frequency dielectric relaxations of gold nanoparticles/ferroelectric liquid crystal composites. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1433-1438	2.3	46
626	Electro-optical Kerr effect in the isotropic phase of the two antiferroelectric liquid crystal mixtures. <b>2010</b> , 83, 432-439		7
625	Viscoelastic model for polarization switching in soft matter organic ferroelectrics. <b>2010</b> , 82,		9
624	Snapshot Mueller matrix polarimetry by wavelength polarization coding and application to the study of switching dynamics in a ferroelectric liquid crystal cell. <b>2010</b> ,		
623	Field-induced dynamics of ferroelectric liquid crystals with elastic interfacial confinement. <b>2010</b> , 6, 2786		11
622	Electro-Optical Behavior for Dye-Doped FLC. <b>2010</b> , 8, 1-13		18
621	Universal soft matter template for photonic applications. <b>2011</b> , 7, 3739		33
620	A simple electro-optic technique for studying the electroclinic effect in the smectic A* phase. <i>Liquid Crystals</i> , <b>2011</b> , 38, 1193-1198	2.3	
619	Transflective Liquid Crystal Display with Pi-Cell. <b>2011</b> , 544, 88/[1076]-94/[1082]		
618	Fluorocarbon and hydrocarbon end groups: effects on mesomorphism and physical properties of smectic liquid crystals. <b>2011</b> , 21, 9031		7
617	Dependence of Polymer-Stabilized Ferroelectric Liquid Crystals on Photocuring Condition. <b>2011</b> , 544, 50/[1038]-56/[1044]		5
616	Dielectric Relaxations in Nematic Phase of Hydrogen Bonded Liquid Crystal Homologous Series. <b>2011</b> , 413, 156-169		6
615	Polarization-gratings approach to deformed-helix ferroelectric liquid crystals with subwavelength pitch. <i>Physical Review E</i> , <b>2011</b> , 83, 031703	2.4	49
614	Mixed Field Controlled-Vertically Aligned Nematic Mode with High Transmittance. <b>2011</b> , 543, 200/[966]-207/[973]		
613	Dynamic Responses of Dispersed Ferroelectric Liquid Crystal Composite Materials. <b>2011</b> , 125, 104-110		7
612	Study and Characterization of Double Hydrogen-Bonded Liquid Crystals Comprising p-n Alkoxy Benzoic Acids with Azelaic and Dodecane Dicarboxylic Acids. <b>2011</b> , 537, 36-50		13
611	. <b>2011</b> , 23, 1655-1657		8
610	The Chiral Pool as Valuable Natural Source: New Chiral Mesogens Made From Lactic Acid. <b>2011</b> , 542, 62/[584]-74/[596]		19

609	Introduction. <b>2011</b> , 19, 713		2
608	Structure and Properties of Liquid Crystals. <b>2011</b> ,		183
607	Microsecond linear optical response in the unusual nematic phase of achiral bimesogens. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 261903	3-4	129
606	Optical manipulation of colloids and defect structures in anisotropic liquid crystal fluids. <b>2011</b> , 13, 044001		58
605	Shock-Free Ferroelectric Liquid Crystal Compositions: Optimized Chiral Compounds and Their Mixing Ratio with Non-Chiral Components. <b>2011</b> , 542, 48/[570]-55/[577]		5
604	Ferroelectric Mixtures of Chiral and Achiral Thioesters. <b>2011</b> , 541, 276/[514]-283/[521]		3
603	Silicon-based liquid-crystal cell for self-branching of optical packets. <b>2011</b> , 36, 208-10		7
602	Dielectric and Polarization Properties of BaTiO <sub>3</sub> Nanoparticle/Ferroelectric Liquid Crystal Colloidal Suspension. <b>2011</b> , 125, 81-88		14
601	Enhanced Electro-Optical Properties of Liquid Crystals Devices by Doping with Ferroelectric Nanoparticles. <b>2011</b> ,		6
600	Microstructure and optical properties of Zn-doped BaTiO <sub>3</sub> thin films. <b>2011</b> , 276, 012163		8
599	Gray scale realization in bistable chiral splay nematic liquid crystal device. <b>2011</b> ,		
598	Tunable retarder made of pentaprisms and liquid crystal. <b>2011</b> ,		1
597	Spatial Light Modulators (SLMs). <b>2011</b> , 179-200		2
596	Light driven optical switching of the surface stabilized antiferroelectric liquid crystals. <b>2011</b> , 49, 1330-1334		3
595	The emergence of memory in liquid crystals. <b>2011</b> , 14, 488-494		29
594	Mux/Demux Queues, FIFO Queues, and Their Construction by Fiber Memories. <b>2011</b> , 57, 1328-1343		8
593	Linear and Non-Linear Polar Effects in Liquid Crystals. <b>2011</b> , 543, 3/[769]-47/[813]		2
592	Tuning the frustration between SmA- and SmC-promoting elements in liquid crystals with 'de Vries-like' properties. <b>2011</b> , 47, 4781-3		10

591	Ferroelectricity in liquid crystals materials, properties and applications. <i>Liquid Crystals</i> , <b>2011</b> , 38, 1467-1493	124
590	Effect of conducting polymer poly (3,4-ethylenedioxythiophene) (PEDOT) nanotubes on electro-optical and dielectric properties of a ferroelectric liquid crystal. <b>2011</b> , 34, 35	11
589	Study of thermal and electrical properties exhibited by two ferroelectric self assembly systems. <b>2011</b> , 991, 60-67	14
588	Thermal and dielectric studies of self-assembly systems formed by hydroquinone and alkyloxy benzoic acids. <b>2011</b> , 406, 1106-1113	39
587	Control of Laser Speckle Noise Using Liquid Crystals. <b>2011</b> , 50, 09NE14	3
586	Effect of polymer networks on the smectic-C* phase of a ferroelectric liquid crystal: high-resolution x-ray studies. <i>Physical Review E</i> , <b>2011</b> , 83, 061707	2.4 4
585	Characteristic switching parameters of an antiferroelectric liquid crystal 4H6Bi(S). <b>2011</b> , 84, 38-48	10
584	Macroscopic torsional strain and induced molecular conformational deracemization. <b>2011</b> , 107, 237804	20
583	Surface electroclinic effect near the first-order smectic-A*-smectic-C* transition. <i>Physical Review E</i> , <b>2011</b> , 83, 051711	2.4 2
582	The electro-optical characteristics and applicability evaluation of a photo-induced vertical alignment negative-type liquid crystal/photo-curable acrylic pre-polymer mixture system mixed with chiral smectic A phase liquid crystal. <i>Liquid Crystals</i> , <b>2011</b> , 38, 65-86	2.3 1
581	Theoretical approach to study the effect of free volumes on the physical behavior of polymer stabilized ferroelectric liquid crystal molecules. <b>2011</b> , 109, 114109	4
580	Study of Optical and Dielectrical Properties in a Homologous Series of Bent Liquid Crystals Formed by Self Assembly Systems. <b>2011</b> , 425, 114-128	7
579	Improvement in device performance from a mixture of a liquid crystal and photosensitive acrylic prepolymer with the photoinduced vertical alignment method. <b>2011</b> , 12, 065002	1
578	Determination of Viscoelastic Properties in a Chiral Smectic C* Liquid Crystal Using Different Methods. <b>2011</b> , 544, 95/[1083]-99/[1087]	1
577	Reversible greyscale memory effect of a bent-core liquid crystal. <b>2011</b> , 44, 415304	7
576	Effective Dielectric Permittivity of Coplanar Waveguide Type Microwave Phase Shifter Using Ferroelectric Liquid Crystal. <b>2011</b> , 542, 158/[680]-166/[688]	6
575	Fin de Siècle Competition, Nematic Active or Smectic Passive, and Resulting Unimaginable Antiferroelectricity and Ferrielectricity [LCs in My Memory] <b>2011</b> , 546, 171/[1641]-185/[1655]	
574	Liquid Crystal Elastomers: Materials and Applications. <b>2012</b> ,	62

573	Liquid crystal active nanophotonics and plasmonics: from science to devices. <b>2012</b> , 6, 061001		46
572	Fast and accurate shape measurement system utilizing the fringe projection method with a ferroelectric liquid-crystal-on-silicon microdisplay. <b>2012</b> , 51, 081506		4
571	Fabrication of Defect-Free Ferroelectric Liquid Crystal Cells Using Alignment Films Rubbed in Antiparallel Direction. <b>2012</b> , 51, 03CC01		1
570	Fast electro-optical mode in photo-aligned reflective deformed helix ferroelectric liquid crystal cells. <b>2012</b> , 37, 2343-5		19
569	Electrically modulated photoluminescence in ferroelectric liquid crystal. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 262902	3-4	14
568	Electro-optic response of the anticlinic, antiferroelectric liquid-crystal phase of a biaxial bent-core molecule with tilt angle near 45?. <i>Physical Review E</i> , <b>2012</b> , 85, 031704	2-4	6
567	Induction of Liquid Crystalline Phases and Influence of Chain Length of Fatty Acids in Linear Hydrogen-Bonded Liquid Crystal Complexes. <b>2012</b> , 557, 102-117		11
566	Switching performance of a polymer-stabilized antiferroelectric liquid crystal based on bent-core molecules. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 223301	3-4	11
565	Applications of Flexoelectricity. <b>2012</b> , 211-247		2
564	Holographic arrays based on semiconductor microstructures. <b>2012</b> , 86,		1
563	Conformal mapping techniques for the modelling of liquid crystal devices. <b>2012</b> , 23, 99-119		22
562	Ferroelectric columnar liquid crystal featuring confined polar groups within core-shell architecture. <b>2012</b> , 336, 209-13		170
561	Theory of photoferroelectric response in SmC* liquids. <b>2012</b> , 137, 144902		2
560	The Impact of Static Disorder on Vibrational Resonance in a Ferroelectric Liquid Crystal. <b>2012</b> , 553, 13-20		10
559	Bistable optical transmission properties of polyethylene-glycol. <b>2012</b> ,		3
558	Cell thickness dependence of liquid crystal parameters. <b>2012</b> , 13, 31-36		1
557	Unidirectional Homogenous Alignment of Smectic Liquid Crystal under Shear Stress. <b>2012</b> , 431, 74-80		3
556	Accurate Measurement of Temperature-Dependent Warpage Distribution of Electronic Packaging Using FLCOS-Based Fringe Projection Profilometry. <b>2012</b> , 6, 721-730		1

555	Study of optical shuttering action in supramolecular hydrogen bonded nematogens. <b>2012</b> , 85, 973-994	20
554	Ferroelectric Liquid Crystals for Nonlinear Optical Applications. <b>2012</b> , 111-156	7
553	. <b>2012</b> , 30, 2525-2531	1
552	Nano-Segregation and Directed Self-Assembly in the Formation of Functional Liquid Crystals. <b>2012</b> , 52, 863-880	23
551	Effect of Polymer Stabilization on Molecular Alignment of Ferroelectric Liquid Crystal in Wide-Gap Cell. <b>2012</b> , 51, 09LD07	
550	Switching characteristics in Si waveguide Mach-Zehnder interferometer switches with ferroelectric liquid crystal. <b>2012</b> ,	
549	Design of highly polarized achiral mesogenic composites. <b>2012</b> , 22, 17753	3
548	The 2D-correlated structures of a lyotropic liquid crystalline diol with a phenylpyrimidine core. <b>2012</b> , 22, 18198	12
547	The orthoconic antiferroelectric smectic liquid crystals and their engineering by doping with homo- and heterostructural compounds. <b>2012</b> , 85, 910-929	13
546	Synthesis, Characterization and Mesomorphic Properties of Aromatic Acid Dimers. <b>2012</b> , 552, 43-52	1
545	Topological ferroelectric bistability in a polarization-modulated orthogonal smectic liquid crystal. <b>2012</b> , 134, 9681-7	28
544	Correlation between static and dynamic polarimetric properties and the texture of surface-stabilised ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , <b>2012</b> , 39, 619-628	2.3 3
543	Tunability of optical memory in ferroelectric liquid crystal containing polyvinylpyrrolidone capped Ni nanoparticles for low power and faster device operation. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 074109	3.4 15
542	The influence of the chiral terphenylate on the tilt angle in pyrimidine ferroelectric mixtures. <b>2012</b> , 85, 364-370	19
541	34.1: Deformed Helix Ferroelectric Display with Low Driving Voltage and Fast Response Time. <b>2012</b> , 43, 449-451	5
540	34.3: Fast Orthoconic Antiferroelectric Liquid Crystals for Field-Sequential Color Applications. <b>2012</b> , 43, 456-458	2
539	Structure of Band 2 Walls in Smectic films. <b>2012</b> , 96, 317-321	2
538	Superzone Fresnel Liquid Crystal Lens for Temporal Scanning Auto-Stereoscopic Display. <b>2012</b> , 8, 650-655	58

537	Electroactive Liquid Crystalline Polymers. <b>2012</b> , 129-145		2
536	Applications of Liquid Crystalline Elastomers. <b>2012</b> , 49-93		52
535	Optical modulation in nematic phase of halogen substituted hydrogen bonded liquid crystals. <b>2012</b> , 85, 113-130		11
534	Optical Shuttering and Filtering Action in Nematogens of Supra Molecular Hydrogen-Bonded Liquid Crystals. <b>2012</b> , 557, 190-205		9
533	Changes in the electro-optical behaviour of ferroelectric liquid crystal mixture via silica nanoparticles doping. <b>2012</b> , 34, 1878-1884		14
532	Optical multi-stability of bimesogenic cholesteric liquid crystal. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2804-2806	5.1	1
531	Magnetolectric effect in soft composite materials. <b>2012</b> ,		
530	Enhancing the photoluminescence of ferroelectric liquid crystal by doping with ZnS quantum dots. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 134101	3.4	43
529	Liquid Crystal Materials for Devices. <b>2012</b> , 1315-1342		
528	Smectic LCD Modes. <b>2012</b> , 1445-1467		3
527	Bistable Liquid Crystal Displays. <b>2012</b> , 1507-1543		4
526	Materials and Phase Structures of Calamitic and Discotic Liquid Crystals. <b>2012</b> , 1243-1287		1
525	Polymer Dispersed LCDs. <b>2012</b> , 1565-1585		2
524	Behaviour of an ultrathin ferroelectric liquid crystal Langmuir-Blodgett film at an air-water and air-solid interface. <i>Liquid Crystals</i> , <b>2012</b> , 39, 1375-1380	2.3	10
523	Twisted and frustrated states of matter. <b>2012</b> , 468, 1521-1542		9
522	Synthesis and properties of new ferroelectric and antiferroelectric liquid crystals with a biphenyl benzoate rigid core. <i>Liquid Crystals</i> , <b>2012</b> , 39, 1011-1032	2.3	27
521	Electro-optic studies in conventional and pure/ethanol mixed de Vries ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2012</b> , 39, 185-190	2.3	9
520	Unique chiral compounds as part of mixtures with optimized properties for different types of FLCs. <b>2012</b> , 85, 900-909		5

519	Investigation of dielectric behaviour in ferrofluid/ferroelectric liquid crystal nanocomposites. <i>Liquid Crystals</i> , <b>2012</b> , 39, 927-932	2.3	14
518	Thermodynamic and dielectric spectroscopy of a racemic antiferroelectric liquid crystal. <b>2012</b> , 168, 54-60		9
517	The electro-optical characteristics of liquid crystal device in multi-component liquid crystal mixture system with non-contact photo-induced vertical alignment mode. <b>2012</b> , 34, 1181-1194		5
516	Thermodynamic and bias field investigation of an antiferroelectric liquid crystal. <b>2012</b> , 407, 90-95		8
515	Elasticity of polydomain liquid crystal elastomers. <b>2012</b> , 60, 573-590		53
514	A lyotropic chiral smectic C liquid crystal with polar electrooptic switching. <b>2013</b> , 52, 8934-7		21
513	Mechanism of homeotropic alignment of ferroelectric liquid crystals doped with ferro-fluid and applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 034110	3.4	12
512	Dynamic Photonic Materials Based on Liquid Crystals. <b>2013</b> , 1-64		17
511	Thin ferroelectric liquid crystal layers: mechanical stability and fast electro-optical response, connection between molecule design and surface properties. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1391-1397	2.3	8
510	The synthesis and properties of some chiral mesomorphic quaterphenyl and cyclohexylterphenyl derivatives and the FLC compositions based upon them. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1383-1390	2.3	7
509	Reflective mode of deformed-helix ferroelectric liquid crystal cells for sensing applications. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1427-1435	2.3	19
508	Enhancement of electro-optic stability in the vertical configuration of a deformed-helix ferroelectric liquid crystal. <b>2013</b> , 46, 165301		2
507	Pretransitional layer contraction at the chiral smectic A-to-chiral smectic C phase transition of a chiral nitroxide radical. <b>2013</b> , 117, 3054-60		8
506	Dielectric and electro-optical response of a room temperature tri-component antiferroelectric mixture. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1466-1476	2.3	7
505	Impact of the concentration in polymer on the dynamic behavior of Polymer Stabilized Ferroelectric Liquid Crystal using Snap-shot Mueller Matrix Polarimetry. <b>2013</b> , 36, 55		1
504	Zirconia nanoparticles/ferroelectric liquid crystal composites for ionic impurity-free memory applications. <b>2013</b> , 3, 17166		39
503	Dual structure of cholesteric liquid crystal device for high reflectance. <b>2013</b> , 9, 735-740		6
502	Influence of Fabrication Conditions on Monostability of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2013</b> , 52, 09KE03		3

501	Tuning 'de Vries-like' properties in binary mixtures of liquid crystals with different molecular lengths. <b>2013</b> , 49, 8202-4		6
500	Faster and highly luminescent ferroelectric liquid crystal doped with ferroelectric BaTiO <sub>3</sub> nanoparticles. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 222902	3-4	43
499	Tuning de Vries-like properties in siloxane- and carbosilane-terminated smectic liquid crystals. <b>2013</b> , 1, 343-350		35
498	Photo and electrically switchable B7 mesophase exhibiting asymmetric bent-core liquid crystals. <b>2013</b> , 37, 1584		19
497	Optical response of ferroelectric liquid crystals doped with metal nanoparticles. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 063115	3-4	26
496	Soft periodic microstructures containing liquid crystals. <b>2013</b> , 117, 1176-85		8
495	Photo and electrically switchable behavior of azobenzene containing pendant bent-core liquid crystalline polymers. <b>2013</b> , 51, 936-946		15
494	Thermodynamic and bias field characterization of a quickly operating antiferroelectric liquid crystal. <b>2013</b> , 183, 20-25		11
493	Clark-Lagerwall effect in the small particles ferroelectric liquid crystal system. <b>2013</b> , 124, 343-346		4
492	Ferroelectric liquid crystal matrix dispersed with Cu doped ZnO nanoparticles. <b>2013</b> , 363, 178-186		30
491	Experimental study of the dynamic behaviour of twisted ferroelectric liquid crystal samples using snap-shot Mueller matrix polarimetry. <b>2013</b> , 46, 125101		3
490	CdSe quantum dot-dispersed DOBAMBC: an electro-optical study. <i>Liquid Crystals</i> , <b>2013</b> , 40, 528-533	2-3	27
489	Halofluorocarbons, Hydrofluorocarbons, and Related Compounds. <b>2013</b> , 245-298		4
488	Electric polarization frozen by a polymer network in nematic liquid crystals. <b>2013</b> , 9, 3834		9
487	Theory of nanoparticles doped in ferroelectric liquid crystals. <b>2013</b> , 113, 064308		13
486	The phenomenon of induced photoluminescence in ferroelectric mesophase. <b>2013</b> , 139, 60-63		16
485	Concentration Dependent Physical Parameters of Ferroelectric Liquid Crystal and ZnOS Nano Material Composite System. <b>2013</b> , 11, 305-314		15
484	Double Hydrogen Bonded Liquid Crystals Formed by Glutaric Acid. <b>2013</b> , 574, 19-32		14

483	Synthesis and mesomorphism of new chiral imines and copper(II) complexes. <b>2013</b> , 1039, 219-226		5
482	Recent Topics for the Optical Properties in Liquid Crystals. <b>2013</b> , 125-147		
481	Application of thermodynamic model to study the ferroelectric properties of nAL and nHL homologous series. <b>2013</b> , 86, 531-540		1
480	Dielectric and switching parameters of para-, ferro- and antiferroelectric phases of (S)-(+)-4-(1-methylheptyloxycarbonyl)phenyl 4'-(6-perfluorooctanoyloxyhex-1-oxy) biphenyl-4-carboxylate. <i>Liquid Crystals</i> , <b>2013</b> , 40, 699-709	2-3	10
479	Effects of fabrication condition on the network morphology and electro-optical characteristics of polymer-dispersed bistable smectic A liquid crystal device. <i>Liquid Crystals</i> , <b>2013</b> , 40, 581-588	2-3	25
478	Induced dielectric relaxation and enhanced electro-optic parameters in Ni nanoparticles □ ferroelectric liquid crystal dispersions. <i>Liquid Crystals</i> , <b>2013</b> , 40, 45-51	2-3	19
477	Ferroelectric liquid crystals induced by dopants with axially chiral 2,2'-spirobiindan-1,1'-dione cores: substituent effect on the polarization power. <b>2013</b> , 1, 1011-1017		7
476	125 years of liquid crystals--a scientific revolution in the home. <b>2013</b> , 52, 8798-809		104
475	Electro-optical Characteristics of Ferroelectric Liquid Crystal Embedded in Photonic Crystal Fiber. <b>2013</b> , 52, 051701		1
474	Controlled Planar Alignment of Discotic Liquid Crystals in Microchannels Made Using SU8 Photoresist. <b>2013</b> , 23, 5997-6006		26
473	Switching of ferroelectric liquid crystal doped with cetyltrimethylammonium bromide-assisted CdS nanostructures. <b>2013</b> , 24, 125702		29
472	Integration of liquid crystal elements for creating an infrared Lyot filter. <b>2013</b> , 21, 11984-93		10
471	Novel Display Mode Using Dielectric Response of Antiferroelectric Liquid Crystals. <b>2013</b> , 6, 081701		8
470	Chiral Liquid Crystalline Polymers Containing Isosorbide Groups. <b>2013</b> , 781-784, 403-406		
469	ELECTRO-OPTICAL STUDIES IN A FERROELECTRIC LIQUID CRYSTAL MIXTURE. <b>2013</b> , 27, 1350038		
468	Orthoconic antiferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1678-1697	2-3	40
467	Synthesis and Mesomorphic Investigations of Liquid Crystalline Compounds Having a Benzothiazole Ring. <b>2013</b> , 575, 64-76		2
466	Indirect Magnetoelectric Coupling in Mixtures of Magnetite and Ferroelectric Liquid Crystal. <b>2013</b> , 448, 12-16		3

465	Dielectric behavior of carbon-nanotube-doped ferroelectric liquid crystal mixture. <b>2013</b> , 14, 127-129	4
464	IMPORTANT DEVELOPMENTS IN WIDE VIEWING ANGLE LCD TECHNOLOGY. <b>2013</b> , 367-392	1
463	APPLICATION OF UV-CURABLE LIQUID CRYSTALS. <b>2013</b> , 227-242	1
462	SMECTIC LIQUID CRYSTALS AND THEIR DISPLAY USES. <b>2013</b> , 133-170	
461	INTRODUCTION: MEMORIES OF 43 YEARS OF LIQUID CRYSTAL RESEARCH. <b>2013</b> , 3-29	2
460	High-Quality Planar Alignment of Discotic Liquid Crystals Using Oscillating Shear. <b>2013</b> , 6, 061702	7
459	High-optical-quality ferroelectric film wet-processed from a ferroelectric columnar liquid crystal as observed by non-linear-optical microscopy. <b>2013</b> , 25, 4014-7	22
458	Ein lyotroper chiraler smektischer C-Flüssigkristall mit polarem elektrooptischem Schaltverhalten. <b>2013</b> , 125, 9102-9105	4
457	125 Jahre Flüssigkristalle Die wissenschaftliche Revolution im Wohnzimmer. <b>2013</b> , 125, 8960-8971	7
456	Fabrication of vertical alignment in ferroelectric liquid crystals for display application. <b>2014</b> , 53, 09PC03	2
455	Introduction and Historical Developments. <b>2014</b> , 1-23	
454	Dielectric characterisation of a ferroelectric liquid crystalline material having SmA* $\rightarrow$ SmC* $\rightarrow$ SmBh* phase sequence. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1879-1888	2.3 5
453	Dielectric and switching properties of a highly tilted AFLC material (S)-(+)-4-(1-methylheptyloxycarbonyl)-2,3-difluorophenyl 4'-[3-(2,2,3,3,4,4,4-heptafluorobutoxy)prop-1-oxy]biphenyl-4-carboxylate. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1733-1742	2.3 5
452	Liquid Crystal Display. <b>2014</b> , 1-14	
451	Properties of 2,3, and 2',3'-difluorosubstituted 4'-alkyl[1,1':4',1']terphenyl-4-yl alkyl carbonates with SmC phase. <b>2014</b> , 87, 814-819	
450	Enhanced photoluminescence of antiferroelectric liquid crystals doped with sodium titanate nanoparticles. <b>2014</b> , 07, 1450054	7
449	Fundamentals of phase-only liquid crystal on silicon (LCOS) devices. <b>2014</b> , 3, e213-e213	228
448	Photoresponsive Chiral Liquid Crystal Materials: From 1D Helical Superstructures to 3D Periodic Cubic Lattices and Beyond. <b>2014</b> , 135-177	2

447	Electro-optic and molecular relaxation behaviour of fluoro substituted achiral unsymmetrical four-ring bent-core mesogen. <i>Liquid Crystals</i> , <b>2014</b> , 41, 635-641	2.3	10
446	New antiferroelectric compound studied by complementary methods. <b>2014</b> , 87, 1011-1017		7
445	A Review of Polymer-Stabilized Ferroelectric Liquid Crystals. <b>2014</b> , 7, 3568-3587		21
444	Chiral Liquid Crystals: Structures, Phases, Effects. <b>2014</b> , 6, 444-472		118
443	Modes for Liquid Crystal Devices. <b>2014</b> , 131-170		0
442	Smectic C chevrons in nanocylinders. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 203106	3.4	7
441	Fast switching of nematic liquid crystals over a wide temperature range using a vertical bias electric field. <i>Applied Optics</i> , <b>2014</b> , 53, 5856-9	1.7	14
440	Cybotactic behavior in the de Vries smectic-A* liquid-crystal structure formed by a silicon-containing molecule. <i>Physical Review E</i> , <b>2014</b> , 89, 032502	2.4	5
439	Modeling the field control of the surface electroclinic effect near continuous and first-order smectic-A* to smectic-C* transitions. <i>Physical Review E</i> , <b>2014</b> , 89, 022502	2.4	1
438	Chiral random grain boundary phase of achiral hockey-stick liquid crystals. <b>2014</b> , 10, 9105-9		13
437	Electrical addressing of polymer stabilized hyper-twisted chiral nematic liquid crystals with interdigitated electrodes: Experiment and model. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 071102	3.4	18
436	Self assembled monolayer based liquid crystal biosensor for free cholesterol detection. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 154104	3.4	38
435	Suppression of relaxation modes in dye dispersed SmC* phase. <b>2014</b> , 87, 294-304		1
434	Effects of graphene on electro-optic switching and spontaneous polarization of a ferroelectric liquid crystal. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 112905	3.4	45
433	High Reflectance of Cholesteric Liquid Crystal Reflector by Double-Layer Structure. <b>2014</b> , 601, 64-70		2
432	Electrical properties of ferroelectric liquid crystals during thermal phase transition. <b>2014</b> , 53, 01AE07		1
431	Formation of periodic domains and change in physical properties of paramagnetic copper doped ZnO nanoparticle dispersed ferroelectric liquid crystal system. <b>2014</b> , 198, 267-273		4
430	Hexatic and blue phases in a chiral liquid crystal: optical polarizing microscopy, synchrotron radiation and dielectric study. <b>2014</b> , 1, 035101		7

429	Probing the effect of temperature and electric field on the low frequency dielectric relaxation in a ferroelectric liquid crystal mesogen. <b>2014</b> , 198, 280-285	13
428	Effects of Electric Field on Liquid Crystals. <b>2014</b> , 127-148	2
427	Latest Liquid Crystal Technology. <b>2014</b> , 171-206	
426	Cusp Catastrophe Model for Description of Bistability in Ferroelectric Liquid Crystals. <b>2014</b> , 2014, 1-5	1
425	Liquid Crystal Polymer Composite Materials for LCDs. <b>2014</b> , 1-23	
424	Retardance properties of Twisted Ferro-electric Liquid Crystal. <b>2014</b> , 125, 3646-3652	1
423	Columnar liquid crystal as a unique ferroelectric liquid crystal. <b>2014</b> , 53, 01AA01	10
422	Dispersions of multi-wall carbon nanotubes in ferroelectric liquid crystals. <b>2014</b> , 37, 7	28
421	Orthoconic liquid crystals--a case study. <b>2014</b> , 208, 1-9	4
420	Synthesis of liquid crystal silane-functionalized gold nanoparticles and their effects on the optical and electro-optic properties of a structurally related nematic liquid crystal. <b>2014</b> , 15, 1381-94	28
419	Origin of weak layer contraction in de Vries smectic liquid crystals. <i>Physical Review E</i> , <b>2014</b> , 89, 032506	2.4 24
418	Nanoscience with Liquid Crystals. <b>2014</b> ,	51
417	Sign inversion of the spontaneous polarization in a "de Vries"-type ferroelectric liquid crystal. <b>2014</b> , 15, 1368-75	2
416	Dielectric Spectroscopy of the Electroclinic Effect in the Ferroelectric Liquid Crystal Materials. <b>2014</b> , 47, 341-347	2
415	Photo Alignment and Patterning of Liquid Crystal Polymer Films and Optical Devices by Side-Chain Photopolymers. <b>2014</b> , 594, 11-20	3
414	Fabrication of Uniformly Vertical Alignment FLC Cell. <b>2014</b> , 596, 30-36	
413	Improved Viewing Zones for Projection Type Integral Imaging 3D Display Using Adaptive Liquid Crystal Prism Array. <b>2014</b> , 10, 198-203	31
412	Colloidal liquid crystals in rectangular confinement: theory and experiment. <b>2014</b> , 10, 7865-73	54

411	Design of liquid crystals with De Vries-like properties: carbosilane-terminated 5-phenylpyrimidine mesogens suitable for chevron-free FLC formulations. <b>2014</b> , 2, 4581-4589		23
410	Design of liquid crystals with De Vries-like properties: the effect of carbosilane nanosegregation in 5-phenyl-1,3,4-thiadiazole mesogens. <b>2014</b> , 2, 8270-8276		24
409	Application of Ferroelectric Liquid Crystals to Optical Devices. <b>2014</b> , 596, 106-112		4
408	Study on Fabrication Conditions of Polymer-Stabilized V-Mode FLC. <b>2014</b> , 596, 82-87		1
407	Ferroelectric Liquid Crystal Cells for Advanced Applications in Displays and Photonics. <b>2014</b> , 595, 39-49		14
406	Optics of short-pitch deformed-helix ferroelectric liquid crystals: symmetries, exceptional points, and polarization-resolved angular patterns. <i>Physical Review E</i> , <b>2014</b> , 90, 042504	2.4	20
405	Ferroelectric and antiferroelectric odd-even behavior in a tricarbosilane-terminated liquid crystal homologous series. <i>Chemical Science</i> , <b>2014</b> , 5, 1869-1874	9.4	8
404	Poisson-Boltzmann equation and electro-convective instability in ferroelectric liquid crystals: a mean-field approach. <b>2014</b> , 89, 075706		
403	Influence of single-wall carbon nanotubes on Langmuir-Blodgett films of ferroelectric liquid crystals as studied by atomic force microscopy. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1065-1072	2.3	14
402	The Liquid Crystal Display Story. <b>2014</b> ,		11
401	Historical Overview of Polar Liquid Crystals. <b>2014</b> , 468, 1-17		14
400	Tailoring light-matter coupling in semiconductor and hybrid-plasmonic nanowires. <b>2014</b> , 77, 086401		46
399	Liquid Crystals Nanophotonics. <b>2014</b> , 273-311		
398	Guest-host interaction in ferroelectric liquid crystal-nanoparticle composite system. <b>2014</b> , 37, 511-518		11
397	Highly tilted ferroelectric liquid crystals with biphenyl benzoate rigid core. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1116-1129	2.3	18
396	Complex bonding in perovskite ferroelectrics. <b>2014</b> , 122, 231-236		5
395	Chemical Structure and Mesogenic Properties. <b>2014</b> , 1-30		2
394	X-Ray Scattering Investigations of Liquid Crystals. <b>2014</b> , 1-38		6

- 393 Surface Alignment of Liquid Crystals. **2014**, 1-22
- 392 Synthesis of Chiral Smectic Liquid Crystals. **2014**, 1-26
- 391 Ferroelectric Liquid Crystals. **2014**, 1-258 5
- 390 Bistable Nematic Liquid Crystal Displays. **2014**, 1-59 1
- 389 Ferroelectric Liquid Crystal Displays and Devices. **2014**, 1-24
- 388 Designing Principles, Synthesis, and Properties of Smectic C Host Materials for Ferroelectric Liquid Crystals. **2014**, 1-25 2
- 387 Antiferroelectric Liquid Crystal Displays and Their Materials. **2014**, 1-40
- 386 Holography and Information Storage. **2014**, 1-41
- 385 Dielectric properties of ferroelectric and antiferroelectric liquid crystals. **2014**, 39, 385-400
- 384 PSV-FLC Fabricated Using Photo-Alignment Technique. **2015**, 612, 211-219
- 383 Liquid Crystal Display (LCD). **2015**, 1-44
- 382 Light modulation in planar aligned short-pitch deformed-helix ferroelectric liquid crystals. *Physical Review E*, **2015**, 92, 062502 2.4 23
- 381 Control of free volume through size exclusion in the formation of smectic C phases for display applications. **2015**, 3, 4333-4344 10
- 380 Control of Characteristics in Polymer- Stabilized Ferroelectric Liquid Crystals by Using Binary Mixture System of Monomers. **2015**, 28, 325-328
- 379 Photo enhancement of spontaneous polarization in ferroelectric liquid crystal doped with azo-molecules. *Applied Physics Letters*, **2015**, 107, 112902 3.4 3
- 378 Improvement of alignment quality for FLC with mixing liquid crystal polymer. **2015**, 23, 170-175
- 377 Ferroelectric liquid crystals: Excellent tool for modern displays and photonics. **2015**, 23, 253-272 66
- 376 Self-assembling properties of lactic acid derivative with several ester linkages in the molecular core. **2015**, 88, 745-757 8

375	Influence of CdSe quantum dot on molecular/ionic relaxation phenomenon and change in physical parameters of ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1159-1168	2-3	14
374	The effect of the octan-3-yloxy and the octan-2-yloxy chiral moieties on the mesomorphic properties of ferroelectric liquid crystals. <b>2015</b> , 5, 81003-81012		12
373	Ferroelectric compounds with chiral (S)-1-methylheptyloxycarbonyl terminal chain $\square$ their miscibility and a helical pitch. <i>Liquid Crystals</i> , <b>2015</b> , 42, 248-254	2-3	21
372	Ferroelectric C* phase induced in a nematic liquid crystal matrix by a chiral non-mesogenic dopant. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 062904	3-4	8
371	Effects of nanoparticle doping on the phase transitional behaviour of ferroelectric liquid crystal Langmuir-Blodgett composite films. <b>2015</b> , 88, 1213-1224		4
370	Merck and George Gray: a 30-year relationship. <i>Liquid Crystals</i> , <b>2015</b> , 1-3	2-3	
369	On the biaxiality of smectic C and ferroelectric liquid crystals. <i>Liquid Crystals</i> , <b>2015</b> , 1-28	2-3	2
368	Recent advances in the syntheses, transformations and applications of 1,1-dihalocyclopropanes. <b>2015</b> , 13, 8780-802		35
367	An Analysis of Chevrons in Thin Liquid Crystal Cells. <b>2015</b> , 75, 164-188		4
366	Electro-optical Modes: Practical Examples of LCD Modeling and Optimization. <b>2015</b> , 91-151		
365	Large birefringence smectic-A liquid crystals for high contrast bistable displays. <b>2015</b> , 5, 281		5
364	Tuning the mesomorphic properties of phenoxy-terminated smectic liquid crystals: the effect of fluoro substitution. <b>2015</b> , 11, 3860-8		17
363	Supramolecular ferroelectrics. <b>2015</b> , 7, 281-94		301
362	Ferroelectric liquid-crystalline semiconductors based on a phenylterthiophene skeleton: effect of the introduction of oligosiloxane moieties and photovoltaic effect. <b>2015</b> , 3, 1982-1993		35
361	Effect of boundary surfaces on the effective dielectric susceptibility of the helical structure of a ferroelectric liquid crystal. <b>2015</b> , 121, 355-361		3
360	Influence of ZnO nanostructures in liquid crystal interfaces for bistable switching applications. <b>2015</b> , 357, 1499-1510		21
359	Reverse bistable effect in ferroelectric liquid crystal devices with ultra-fast switching at low driving voltage. <b>2015</b> , 40, 2413-6		11
358	Dielectric relaxation and electro-optic response in nano-ceria dispersed ferroelectric liquid crystal nanocomposites: effect of structural deformation and lattice straining. <b>2015</b> , 5, 29741-29747		7

357	Morphology of polymer networks formed in the chiral and non-chiral phases of an antiferroelectric liquid crystal. <b>2015</b> , 641, 80-83		1
356	Thermodynamic, electrical and electro-optical features of the racemic mixture of an antiferroelectric liquid crystal suitable for displays. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1785-1797	2.3	8
355	Smectic layer instabilities in liquid crystals. <b>2015</b> , 11, 819-37		10
354	Probing the dynamics of geometrically confined ferroelectric mesogens at the air interface. <b>2015</b> , 11, 749-55		8
353	Fluorinated Nematic Liquid Crystals: Design, Synthesis, and Properties. <b>2016</b> , 159-176		1
352	Carbon nanotubes in thermotropic low molar mass liquid crystals. <b>2016</b> , 603-630		3
351	Mn <sup>2+</sup> doped ZnS quantum dots in ferroelectric liquid crystal matrix: Analysis of new relaxation phenomenon, faster optical response, and concentration dependent quenching in photoluminescence. <b>2016</b> , 119, 094101		15
350	PLZT-Based Shutters for Free-Space Optical Fiber Switching. <b>2016</b> , 8, 1-12		1
349	Low-voltage electro-optical memory device based on NiO nanorods dispersed in a ferroelectric liquid crystal. <b>2016</b> , 6, 53873-53881		29
348	Retrieving the spatially resolved preferred orientation of embedded anisotropic particles by small-angle X-ray scattering tomography. <b>2016</b> , 49, 902-908		12
347	Low-frequency relaxation modes in ferroelectric liquid crystal/gold nanoparticle dispersion: impact of nanoparticle shape. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1536-1547	2.3	38
346	Origin of the Director Tilt in the Lyotropic Smectic C* Analog Phase: Hydration Interactions and Solvent Variations. <b>2016</b> , 17, 86-92		4
345	Liquid-crystalline properties of laterally fluorinated alkyl 4-alkylterphenyl-4-yl carbonates and their mixtures. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1359-1364	2.3	1
344	Emissivity and electrooptical properties of semiconducting quantum dots/rods and liquid crystal composites: a review. <b>2016</b> , 79, 056502		36
343	Linear Double Hydrogen-bonded Thermotropic Liquid Crystals Formed Between Oxaloacetic Acid and p-n- Alkyloxy Benzoic Acids. <b>2016</b> , 626, 169-182		10
342	Ferroelectric and Antiferroelectric Liquid Crystals. <b>2016</b> ,		
341	Twist-grain-boundary-A* phase stabilisation in confined geometry by the interfaces. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1437-1447	2.3	5
340	An old dog with new tricks: Schiff bases for liquid crystals materials based on isoxazolines and isoxazoles.. <b>2016</b> , 1, 23-30		11

339	Induction of a room temperature ferroelectric SmC* phase in binary mixtures with moderate spontaneous polarization and sub-millisecond switching time. <b>2016</b> , 6, 84369-84378		16
338	Chiral 5-phenylpyrimidine liquid crystals with De Vries-like properties: dependence of electroclinic effect and ferroelectric properties on carbosilane nanosegregation. <b>2016</b> , 4, 8483-8489		6
337	Holographic display and storage based on photo-responsive liquid crystals. <b>2016</b> , 4, 83-100		22
336	Multistability in the mixtures of smectic-C* materials with compensated twisting power. <i>Physical Review E</i> , <b>2016</b> , 93, 042705	2.4	3
335	Morphology Tuning of Electrospun Liquid Crystal/Polymer Fibers. <b>2016</b> , 17, 3080-3085		31
334	Airbrushed Liquid Crystal/Polymer Fibers for Responsive Textiles. <b>2016</b> , 100, 43-49		9
333	Controlling the volatility of the written optical state in electrochromic DNA liquid crystals. <b>2016</b> , 7, 11476		31
332	Dynamics of magnetic (electric) field induced perturbation in homeotropic smectic A structure in liquid crystal cell with substrates having periodic microrelief. <b>2016</b> , 39, 104		
331	Wide range room temperature electroclinic liquid crystal mixture with large induced tilt and very small layer contraction. <b>2016</b> , 119, 124103		12
330	Wide range room temperature ferroelectric liquid crystal mixture with microsecond order switching. <b>2016</b> , 221, 287-291		10
329	Ferroelectric Polymers and Their Energy-Related Applications. <b>2016</b> , 217, 1228-1244		146
328	Effects of silver nanoparticles doping on morphology and luminescence behaviour of ferroelectric liquid crystals Langmuir-Blodgett films. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1760-1767	2.3	10
327	New antiferroelectric liquid crystal for use in LCD. <b>2016</b> , 89, 349-358		12
326	A Review of Dynamic Holographic Three-Dimensional Display: Algorithms, Devices, and Systems. <b>2016</b> , 12, 1599-1610		56
325	Structural Aspects and Host Effects of the Chirality Transfer by Mesogenic Substituted Aminoalcohols. <b>2016</b> , 626, 1-11		5
324	Prediction of fluid-phase behavior of symmetrical binary Yukawa fluids using transition matrix Monte Carlo. <b>2016</b> , 415, 64-74		5
323	Phase polymorphism and electro-optical properties of a ferroelectric liquid crystal containing the biphenyl system. <b>2016</b> , 89, 383-392		2
322	Realization of real-time interactive 3D image holographic display [Invited]. <b>2016</b> , 55, A127-34		15

321	Introduction. <b>2016</b> , 1-10		
320	Materials and Experimental Techniques. <b>2016</b> , 29-47		
319	Core/shell quantum dots in ferroelectric liquid crystals matrix: effect of spontaneous polarisation coupling with dopant. <i>Liquid Crystals</i> , <b>2016</b> , 43, 980-993	2.3	26
318	A First Example of a Lyotropic Smectic C* Analog Phase. <b>2016</b> ,		2
317	Enhancement of the properties and mesophases stability after the electron beam irradiation on a racemic anti-ferroelectric liquid crystalline mixture. <i>Liquid Crystals</i> , <b>2016</b> , 43, 606-614	2.3	6
316	Chemically and thermally stable, emissive carbon dots as viable alternatives to semiconductor quantum dots for emissive nematic liquid crystal-nanoparticle mixtures with lower threshold voltage. <i>Liquid Crystals</i> , <b>2016</b> , 43, 183-194	2.3	17
315	Molecular Dynamics at Electrical- and Optical-Driven Phase Transitions: Time-Resolved Infrared Studies Using Fourier-Transform Spectrometers. <b>2017</b> , 38, 104-123		3
314	Electrically switchable Fresnel lenses in polymer-stabilized ferroelectric liquid crystals. <b>2017</b> , 56, 012601		3
313	Phase behavior and characterization of heptamethyltrisiloxane-based de Vries smectic liquid crystal by electro-optics, x rays, and dielectric spectroscopy. <i>Physical Review E</i> , <b>2017</b> , 95, 032701	2.4	16
312	Electro-optic and dielectric properties of new binary ferroelectric and antiferroelectric liquid crystalline mixtures. <i>Liquid Crystals</i> , <b>2017</b> , 44, 1468-1476	2.3	31
311	Bistable director alignments of nematic liquid crystals confined in frustrated substrates. <i>Physical Review E</i> , <b>2017</b> , 95, 012706	2.4	4
310	An Optically Isotropic Antiferroelectric Liquid Crystal (OI-AFLC) Display Mode Operating over a Wide Temperature Range using Ternary Bent-Core Liquid Crystal Mixtures. <b>2017</b> , 6, 196-200		4
309	Design of liquid crystals with 'de Vries-like' properties: structural variants of carbosilane-terminated 5-phenylpyrimidine mesogens. <b>2017</b> , 13, 3307-3313		11
308	Technology Issues. <b>2017</b> , 183-289		2
307	Application of thermodynamic model to study the phase transition properties of surface stabilized ferroelectric liquid crystals. <b>2017</b> , 241, 422-427		4
306	Study on alignment technique of ferroelectric liquid crystals for display application. <b>2017</b> , 646, 99-106		4
305	Dielectric studies of a chiral fluorinated organosiloxane liquid crystal. <b>2017</b> , 646, 41-45		1
304	Polar liquid crystals [ferro, antiferro, banana, and columnar] <b>2017</b> , 646, 46-65		15

303	Alignment and electro-optical properties of SmC* with direct transition to N* phases. <b>2017</b> , 647, 162-168		
302	Liquid crystal displays, LC-materials and LPP photo-alignment. <b>2017</b> , 647, 253-268		18
301	Effect of fluorination on the phase sequence, dielectric and electro-optical properties of ferroelectric and antiferroelectric mixtures. <i>Liquid Crystals</i> , <b>2017</b> , 44, 2192-2202	2.3	12
300	Anomalous photovoltaic effect based on molecular chirality: influence of enantiomeric purity on the photocurrent response in $\pi$ -conjugated ferroelectric liquid crystals. <b>2017</b> , 19, 16446-16455		15
299	Ferroelectric Liquid Crystals in Microcapillaries: Observation of Different Electro-optic Switching Mechanisms. <b>2017</b> , 121, 5110-5115		9
298	Design and investigation of de Vries liquid crystals based on 5-phenyl-pyrimidine and (R,R)-2,3-epoxyhexoxy backbone. <i>Physical Review E</i> , <b>2017</b> , 96, 042701	2.4	11
297	Liquid Crystals. <b>2017</b> , 1-1		1
296	A Fluid Liquid-Crystal Material with Highly Polar Order. <b>2017</b> , 29, 1702354		45
295	Behaviour of twist-bend nematic structure under a uniform magnetic field. <b>2017</b> , 649, 71-78		4
294	A ferroelectric liquid crystal confined in cylindrical nanopores: reversible smectic layer buckling, enhanced light rotation and extremely fast electro-optically active Goldstone excitations. <b>2017</b> , 9, 19086-19099 <sup>14</sup>		14
293	Effect of polymer network on thermodynamic stability and switching behavior of the smectic-C <sub>H</sub> * phase. <i>Physical Review E</i> , <b>2017</b> , 96, 052702	2.4	2
292	A fast linear electro-optical effect in a non-chiral bent-core liquid crystal. <b>2017</b> , 5, 12585-12590		11
291	New amphiphilic materials showing the lyotropic analogue to the thermotropic smectic C* liquid crystal phase. <b>2017</b> , 5, 7452-7457		7
290	Design, synthesis and characterization of hydrogen bonded thermotropic liquid crystals. <b>2017</b> , 648, 35-52		12
289	Mesomorphic and physicochemical properties of liquid crystal mixture composed of chiral molecules with perfluorinated terminal chains. <b>2017</b> , 1130, 503-510		1
288	New ferroelectric and antiferroelectric liquid crystals studied by complementary methods. <i>Liquid Crystals</i> , <b>2017</b> , 44, 566-576	2.3	16
287	Scientific developments of liquid crystal-based optical memory: a review. <b>2017</b> , 80, 016601		24
286	Room-temperature magnetoelectric effect in a chiral smectic liquid crystal. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 262901	3.4	8

285	Photo-switchable chiral liquid crystal with optical tristability enabled by a photoresponsive azo-chiral dopant. <b>2017</b> , 25, 2687-2693		24
284	Electroactive Liquid Crystalline Polymers. <b>2017</b> ,		
283	The effect of dopant chirality on the properties of self-assembling materials with a ferroelectric order. <b>2018</b> , 20, 9211-9220		8
282	Polar order in bent-core nematics: An overview. <b>2018</b> , 267, 564-573		13
281	Effects of monoclinic symmetry on the properties of biaxial liquid crystals. <i>Physical Review E</i> , <b>2018</b> , 97, 042702	2.4	1
280	Biaxial potential of surface-stabilized ferroelectric liquid crystals. <i>Physical Review E</i> , <b>2018</b> , 97, 042703	2.4	9
279	Formulation of electroclinic, ferroelectric and antiferroelectric liquid crystal mixtures suitable for display devices. <b>2018</b> ,		1
278	Switchable Plasmonic Holograms Utilizing the Electro-Optic Effect of a Liquid-Crystal Circular Polarizer. <b>2018</b> , 122, 4600-4606		6
277	Recent progress of magnetic surfactants: Self-assembly, properties and functions. <b>2018</b> , 35, 81-90		29
276	The design of smectic liquid crystals with an axially chiral biphenyl core: in search of a proper ferroelectric liquid crystal phase. <b>2018</b> , 6, 1562-1566		2
275	Interfacial behavior of confined mesogens at smectic-C*-water boundary. <i>Physical Review E</i> , <b>2018</b> , 97, 022701	2.4	1
274	Molecular tilting effect on Smectic liquid crystal sub-phase stability from its retardation switching behavior. <b>2018</b> , 267, 456-468		2
273	Phase modulation of mixed polarization states in deformed helix ferroelectric liquid crystals. <b>2018</b> , 267, 253-265		2
272	Low power operated highly luminescent ferroelectric liquid crystal doped with CdSe/ZnSe core/shell quantum dots. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1518-1524	2.3	15
271	Manifestation of strong magneto-electric dipolar coupling in ferromagnetic nanoparticles/ELC composite: evaluation of time-dependent memory effect. <i>Liquid Crystals</i> , <b>2018</b> , 45, 687-697	2.3	16
270	Dielectric characteristics of highly ionic antiferroelectric liquid crystalline material. <b>2018</b> , 249, 106-109		11
269	Mesomorphic phase transitions of 3F7HPPhF studied by complementary methods. <b>2018</b> , 91, 186-198		14
268	Physical properties of new binary antiferroelectric liquid crystal mixtures. <b>2018</b> , 91, 199-209		3

267	Dielectric response of ferroelectric liquid crystals in samples of finite thickness. <b>2018</b> , 532, 20-27		6
266	Ferroelectric liquid crystal nanocomposites: recent development and future perspective. <b>2018</b> , 6, 143-169		11
265	Fast Electro-Optical Switching of Dichroic Dye-Doped Antiferroelectric Liquid Crystals Without Polarizers. <b>2018</b> , 10,		2
264	The POLICRYPS liquid-crystalline structure for optical applications. <b>2018</b> , 7, 273-289		1
263	Measuring Magnetically-Tuned Ferroelectric Polarization in Liquid Crystals. <b>2018</b> ,		
262	Active matrix field sequential color electrically suppressed helix ferroelectric liquid crystal for high resolution displays. <b>2018</b> , 26, 325-332		12
261	Photochemical behaviour of Schiff base liquid crystals based on isoxazole and isoxazoline ring. A kinetic approach. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1802-1812	2.3	12
260	Collective dielectric processes at the transition temperature of the Sm-C <sup>*</sup> and Sm-A <sup>*</sup> phase in a ferroelectric liquid crystal. <i>Physical Review E</i> , <b>2018</b> , 97, 062707	2.4	14
259	Liquid Crystal Physics and Materials. <b>2018</b> , 8-11		
258	Exploration of dielectric relaxations of a room temperature anti-ferroelectric liquid crystal mixture. <b>2018</b> ,		
257	Ferroelectrics and Antiferroelectrics. <b>2018</b> , 901-934		1
256	Calculation of electric field-temperature ( E , T ) phase diagram of a ferroelectric liquid crystal near the SmA <sub>β</sub> {mathrm{SmC}}_{\alpha}^{*} transition. <b>2018</b> , 27, 037701		1
255	Electrospun Polymer Fibers Containing a Liquid Crystal Core: Insights into Semiflexible Confinement. <b>2018</b> , 122, 16964-16973		17
254	The Influence of Carbosilane Nanosegregation on the Dynamics in 'de Vries-type' Liquid Crystals. <b>2018</b> , 19, 2703-2708		4
253	Thermodynamic, optical and switching parameters of a ferroelectric liquid crystalline material having SmA <sup>*</sup> -SmC <sup>*</sup> -SmBh <sup>*</sup> phase sequence. <b>2018</b> , 91, 811-820		5
252	Mesomorphic, electro-optic and structural properties of binary liquid crystalline mixtures with ferroelectric and antiferroelectric liquid crystalline behaviour. <b>2018</b> , 91, 1017-1026		6
251	Temporal dynamics of light-written waveguides in unbiased liquid crystals. <b>2018</b> , 35, 1878		
250	Method for Tuneable Homeotropic Anchoring at Microstructures in Liquid Crystal Devices. <b>2018</b> , 34, 10865-10873		7

- 249 Control of haze value by dynamic scattering in a liquid crystal mixture without ion dopants. **2018**, 8, 085004 5
- 248 Chiral photovoltaic effect in an ordered smectic phase of a phenylterthiophene derivative. **2018**, 62, 311-319 10
- 247 Polarisation-dependent dielectric processes in ferroelectric liquid crystals. *Liquid Crystals*, **2019**, 46, 166-175 17
- 246 Condensation of free volume in structures of nematic and hexatic liquid crystals. *Liquid Crystals*, **2019**, 46, 114-123 2.3 9
- 245 Dielectric properties of four room temperature ferroelectric and antiferroelectric multi-component liquid crystalline mixtures. *Liquid Crystals*, **2019**, 46, 234-248 2.3 11
- 244 Dielectric Parameters of a Benzoate-Based Chiral Rod-Like Liquid Crystal. **2019**, 4, 9006-9010 1
- 243 In-Plane Retardation Switching Behavior at Certain Types of Smectic Liquid Crystals. **2019**,
- 242 Application of thermodynamic model to study the ferroelectric properties of biphenyl alkyloxy benzoate homologous series of SSFLC. **2019**, 92, 816-823 1
- 241 Ferroelectric ordering at interface of paraelectric phase of liquid crystal and solid substrate in confined geometry. **2019**, 496, 143695 4
- 240 Influence of the type of phase sequence and polymer-stabilization on the physicochemical and electro-optical properties of novel high-tilt antiferroelectric liquid crystalline materials. **2019**, 288, 111057 15
- 239 Design of functional multicomponent liquid crystalline mixtures with nano-scale pitch fulfilling deformed helix ferroelectric mode demands. **2019**, 290, 111329 28
- 238 Effect of non-mesogenic chiral terphenylate on the formulation of room temperature ferroelectric liquid crystal mixtures suitable for display applications. **2019**, 292, 111317 8
- 237 40.2: Invited Paper: Fast electrooptical modes in ferroelectric liquid crystal and its applications in display and photonics. **2019**, 50, 445-448
- 236 Alignment of polymer dispersed nanometric films of ferroelectric liquid crystalline molecules. **2019**, 294, 111664 1
- 235 New pyridine based liquid crystalline esters with different terminal chains. **2019**, 1198, 126930 5
- 234 Type-I and type-II smectic-C<sup>\*</sup> systems: A twist on the electroclinic critical point. *Physical Review E*, **2019**, 100, 022707 2.4
- 233 Ferroelectric Liquid Crystals: Physics and Applications. *Crystals*, **2019**, 9, 470 2.3 22
- 232 Shape segregation in molecular organisation: a combined X-ray scattering and molecular dynamics study of smectic liquid crystals. **2019**, 15, 7722-7732 4

231	Dielectric Properties of Chiral Ferroelectric Liquid Crystalline Compounds with Three Aromatic Rings Connected by Ester Groups. <i>Crystals</i> , <b>2019</b> , 9, 473	2.3	5
230	ZnO/FLC nanocomposites with low driving voltage and non-volatile memory for information storage applications. <b>2019</b> , 19, 1374-1378		8
229	P-206: Late-News Poster: A Grating-Aligned Ferroelectric Liquid Crystal Electro-Optic Shutter for Fast-Switching and Shock-Resistant Applications. <b>2019</b> , 50, 1806-1809		2
228	13-4: Passively Addressed Helix-Free Ferroelectric Liquid Crystal for Fast Response Bi-Stable Display. <b>2019</b> , 50, 172-175		
227	Optical materials and metamaterials from nanostructured soft matter. <b>2019</b> , 12, 2172-2183		15
226	Systematic study of the chiral smectic phases of a fluorinated compound. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2256-2368		13
225	Influence of carbon chain length on physical properties of 3FmHPPhF homologues. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2201-2212	2.3	9
224	An effect of chiral dopants on mesomorphic and electro-optical properties of ferroelectric smectic mixture. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2134-2148	2.3	3
223	Optics, Photonics and Laser Technology 2017. <i>Springer Series in Optical Sciences</i> , <b>2019</b> ,	0.5	1
222	Light-Directed Soft Mass Migration for Micro/Nanophotonics. <b>2019</b> , 7, 1900074		22
221	Effect of molecular structure on dielectric and electro-optic properties of chiral liquid crystals based on lactic acid derivatives. <b>2019</b> , 283, 472-481		16
220	Tailoring surface patterns to direct the assembly of liquid crystalline materials. <b>2019</b> , 7, 30-59		15
219	Probing the impact of carbon quantum dots on partially unwound helical mode in ferroelectric liquid crystals. <b>2019</b> , 125, 125108		9
218	Tuning the electro-optic and viscoelastic properties of ferroelectric liquid crystalline materials. <b>2019</b> , 58, 193-201		3
217	Evaluation of a phase shifter for optical switches using an Nb2O5 waveguide with ferroelectric liquid crystal cladding. <b>2019</b> ,		0
216	The Lyotropic Analog of the Polar SmC* Phase. <i>Crystals</i> , <b>2019</b> , 9, 568	2.3	4
215	Spontaneous polarization, tilt angle, hysteresis and low-frequency relaxations in hydrogen bonded chiral liquid crystal dimer: M*SA:9OBA. <b>2019</b> , 551, 178-196		
214	Development of ferroelectric liquid crystals with low birefringence. <i>Liquid Crystals</i> , <b>2019</b> , 46, 941-951	2.3	2

213	Low-frequency dielectric spectroscopy and distinct relaxation modes in smectic phases of liquid crystal dimers. <b>2019</b> , 278, 568-583		3
212	Physical properties of new binary ferroelectric mixture. <b>2019</b> , 274, 540-549		4
211	Design of liquid crystals with de Vries-like properties: the effect of an ethynyl spacer in the core structure. <i>Liquid Crystals</i> , <b>2019</b> , 46, 896-904	2.3	4
210	A modified Langevin-Debye model for investigating the electro-optic behaviour of de Vries smectic liquid crystals. <i>Liquid Crystals</i> , <b>2019</b> , 46, 1246-1251	2.3	3
209	Imine based chiral liquid crystals: Effect of varying the terminal substituent and orientation of ester linking unit. <b>2019</b> , 275, 567-577		10
208	Enhancement of dielectric and electro-optical parameters of a newly prepared ferroelectric liquid crystal mixture by dispersing nano-sized copper oxide. <i>Liquid Crystals</i> , <b>2020</b> , 47, 263-272	2.3	7
207	. <b>2020</b> , 26, 1-18		6
206	Tuneable ferroelectric liquid crystal microlaser. <i>Liquid Crystals</i> , <b>2020</b> , 47, 994-1003	2.3	3
205	Ferroelectrically Switchable Axial Polarization in Columnar Liquid Crystalline Phases. <b>2020</b> , 26, 6964-6975		8
204	Nanotechnology-assisted liquid crystals-based biosensors: Towards fundamental to advanced applications. <b>2020</b> , 168, 112562		22
203	Generation of Axially Polar Ferroelectricity in a Columnar Liquid Crystal Phase by Introducing Chirality. <b>2020</b> , 6, 2000201		4
202	Novel Trends in Lyotropic Liquid Crystals. <i>Crystals</i> , <b>2020</b> , 10, 604	2.3	20
201	Ferroelectric Liquid-Crystalline Binary Mixtures Based on Achiral and Chiral Trifluoromethylphenylterthiophenes. <b>2020</b> , 12, 53029-53038		5
200	P-138: Fringe-Field Effect of Ferroelectric Liquid-Crystal Study Using Electrode Pattern for High Pixel Density Displays. <b>2020</b> , 51, 1897-1900		
199	Chiral Symmetry Breaking in Liquid Crystals: Appearance of Ferroelectricity and Antiferroelectricity. <b>2020</b> , 12, 1900		1
198	Boundary Vortex Formation in Polarization-Modulated Orthogonal Smectic Liquid Crystals. <b>2020</b> , 80, 2024-2044		0
197	An insight into de Vries behaviour of smectic liquid crystals from atomistic molecular dynamics simulations. <b>2020</b> , 8, 13040-13052		4
196	Dielectric spectroscopy and electrical conductivity measurements on high-tilted antiferroelectric materials. <b>2020</b> , 93, 909-923		2

195	Photoactive Liquid Crystalline Polymers. <i>Polymers and Polymeric Composites</i> , <b>2020</b> , 391-416		0.6
194	Shaping colloidal bananas to reveal biaxial, splay-bend nematic, and smectic phases. <b>2020</b> , 369, 950-955		19
193	Enhancement of Spontaneous Polarization and Acid Vapor-Induced Polymerization in the Thin-Film States of Phenylterthiophene Derivative Bearing a Cyclotetrasiloxane Ring. <i>Crystals</i> , <b>2020</b> , 10, 983	2.3	1
192	Dielectric and electro-optic studies of a ferroelectric liquid crystal dispersed with different sizes of silica nanoparticles. <i>Liquid Crystals</i> , <b>2020</b> , 47, 2194-2208	2.3	8
191	High-contrast imaging of 180° ferroelectric domains by optical microscopy using ferroelectric liquid crystals. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 212901	3-4	2
190	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <b>2020</b> , 32, e1905591		15
189	Temperature-independent quarter wave plate compensated liquid crystal shutter with a self-diagnostic shutter monitor. <b>2020</b> , 126, 106060		2
188	Fast switching behaviour and dielectric parameters of two chiral ferroelectric mesogens. <i>Liquid Crystals</i> , <b>2020</b> , 47, 1464-1472	2.3	4
187	Accelerating the electrical response of solvent-dispersed imogolite nanotubes through structural organisation.. <b>2020</b> , 10, 9579-9581		2
186	Modification of AFLC Physical Properties by Doping with BaTiO Particles. <b>2020</b> , 124, 6055-6073		12
185	Collective excitations and field induced anti-ferroelectric modes in chiral liquid crystal dimer. <b>2020</b> , 10, 065235		
184	Partially unwound helical mode in surface stabilized ferroelectric liquid crystal geometry. <b>2020</b> , 305, 112767		6
183	Design and electro-optic investigations of de Vries chiral smectic liquid crystals for exhibiting broad temperature ranges of SmA* and SmC* phases and fast electro-optic switching. <b>2020</b> , 8, 4859-4868		4
182	Effect of doping by enantiomers with the different absolute configuration and phase sequence on mesomorphic, helical and electro-optical properties of highly tilted chiral anticlinic mixture. <b>2020</b> , 309, 113141		2
181	Synthesis and properties of cholesteric liquid crystal elastomers with selective reflection centred on D(+)-camphoric acid. <i>Liquid Crystals</i> , <b>2020</b> , 47, 1591-1603	2.3	4
180	Superior spatial resolution of surface-stabilized ferroelectric liquid crystals compared to nematic liquid crystals for wide-field-of-view holographic displays. <b>2020</b> , 59, 040901		3
179	Effective control of optical purity by chiral HPLC separation for ester-based liquid crystalline materials forming anticlinic smectic phases. <i>Liquid Crystals</i> , <b>2021</b> , 48, 43-53	2.3	4
178	Pyridine-based chiral smectogens: effects of polar end groups on liquid crystal properties. <i>Liquid Crystals</i> , <b>2021</b> , 48, 616-625	2.3	4

177	Effect of $\gamma$ irradiation on the display parameters of a room temperature ferroelectric liquid crystal mixture. <i>Liquid Crystals</i> , <b>2021</b> , 48, 935-944	2.3	3
176	Detailed analysis of a room temperature antiferroelectric liquid crystalline material forming polar mesophases. <b>2021</b> , 327, 114859		2
175	Polymer stabilized highly tilted antiferroelectric liquid crystals - the influence of monomer structure and phase sequence of base mixtures. <b>2021</b> , 327, 114869		1
174	Fast response in-plane switching liquid crystal display mode optimized for high-resolution virtual-reality head-mounted display. <b>2021</b> , 29, 221-229		3
173	Ferroelectric liquid crystal with sub-wavelength helix pitch as an electro-optical medium for high-speed phase spatial light modulators. <b>2021</b> , 135, 106711		2
172	Investigation of dielectric behavior of two different Schiff base ferroelectric liquid crystals. <b>2021</b> , 571, 85-95		2
171	Molecular origin of the heterogeneity in the nematic and smectic liquid crystals: Elastic constants, gradients of order parameters, and visualization of small objects. <i>Physical Review E</i> , <b>2021</b> , 103, 022709	2.4	0
170	Weak anchoring resolved substrate interface and bulk mode processes in surface stabilized ferroelectric liquid crystal. <b>2021</b> , 325, 114705		1
169	Both Symmetric and Asymmetric Electro-Optic Dynamic Behavior with SSD (Smectic Single Domain) Liquid Crystals. <i>Crystals</i> , <b>2021</b> , 11, 337	2.3	0
168	Characterization and applications of a newly formulated ferroelectric liquid crystal mixture W315. <b>2021</b> , 87, 126-132		
167	Liquid crystal core polymer fiber mat electronic gas sensors. <i>Liquid Crystals</i> , 1-8	2.3	4
166	Chiral Liquid Crystalline Electronic Systems. <b>2021</b> , 13, 672		5
165	33-3: Student Paper: True Microdisplay with 3 $\mu$ m Pixel Size Using Deformed-Helix Ferroelectric Liquid Crystal for VR/AR Displays. <b>2021</b> , 52, 435-438		0
164	Camphoric acid based ferroelectric hydrogen bonded liquid crystalline materials integration further dielectric relaxations and novel applications. <b>2021</b> , 1232, 130022		2
163	Twist elastic constant in the SmC* phase of an antiferroelectric liquid crystal with and without photo-polymer networks. <b>2021</b> , 44, 66		1
162	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. <b>2021</b> , 104, 3775-3810		11
161	Modification in different physical parameters of orthoconic antiferroelectric liquid crystal mixture via the dispersion of hexanethiol capped silver nanoparticles. <b>2021</b> , 332, 115840		2
160	Generation of Geometric Extra Phase and Accompanying Temporal Effects in Asymmetric Optically Compensated IPS-LCDs and FFS-LCDs. <b>2021</b> , 13, 1143		2

- 159 A New Class of Chiral Nematic Phase with Helical Polar Order. **2021**, 33, e2101305 8
- 158 Sub-millisecond switching of multi-level liquid crystal on silicon spatial light modulators for increased information bandwidth. **2021**, 29, 24614-24628 1
- 157 A self-healing ferroelectric liquid crystal electro-optic shutter based on vertical surface-relief grating alignment. **2021**, 12, 4717 1
- 156 Introduction to Colloidal and Microfluidic Nematic Microstructures. *Crystals*, **2021**, 11, 956 2.3 3
- 155 49.5: True Glass-based Micro-display with 3 $\mu$ m pixel size using Deformed Helix Ferroelectric Liquid Crystal for VR/AR Displays. **2021**, 52, 600-603
- 154 Recent advances on semiconducting nanomaterials-ferroelectric liquid crystals nanocomposites. **2021**, 1 1
- 153 Simultaneous effects of external stimuli on preparation and performance parameters of normally transparent reverse mode polymer-dispersed liquid crystals—review. **2021**, 56, 18795 5
- 152 Helical Nanostructures of Ferroelectric Liquid Crystals as Fast Phase Retarders for Spectral Information Extraction Devices: A Comparison with the Nematic Liquid Crystal Phase Retarders. **2021**, 14, 1 1
- 151 Probing the effect of chiral dopant fluorination on dielectric and electro-optical properties of the ferroelectric liquid crystalline mixture. **2021**, 341, 117392
- 150 Dielectric responses and stimulative optical shuttering action of self-assembly supramolecular hydrogen bond liquid crystalline formation via x- and y-types benzoic acids. **2021**, 343, 117386 2
- 149 Ferroelectric and Antiferroelectric Liquid Crystals. **2021**, 76-76
- 148 Metallomesogens—Supramolecular Organization of Metal Complexes in Fluid Phases. 285-369 22
- 147 Twist Grain Boundary (TGB) Phases. **1999**, 83-147 36
- 146 Some Nonlinear Problems in Anisotropic Systems. **1992**, 110-150 4
- 145 Solitary Waves in Ferroelectric Liquid Crystals. **1992**, 151-190 13
- 144 A Novel Application of the Host-Guest Paradigm: Design of Organic Optoelectronic Materials. **1990**, 81-92 3
- 143 Some Novel Ferroelectric Smectic Liquid Crystals. **1984**, 1-32 24
- 142 The Layer and Director Structures of Ferroelectric Liquid Crystals. **1992**, 287-341 8

141	Fluorinated Liquid Crystals. <b>1994</b> , 263-286	11
140	Directing 3D Topological Defects in Smectic Liquid Crystals and Their Applications as an Emerging Class of Building Blocks. <b>2014</b> , 35-68	3
139	Materials and Phase Structures of Calamitic and Discotic Liquid Crystals. <b>2014</b> , 1-42	0
138	Bistable Liquid Crystal Displays. <b>2014</b> , 1-34	1
137	The Chemistry and Physics of Thermotropic Liquid Crystals. <b>1987</b> , 80-89	1
136	Optical Switches Using Liquid Crystals. <b>1990</b> , 342-345	3
135	Collective and Molecular Dynamics in Ferroelectric Liquid Crystals: From Low Molar to Polymeric and Elastomeric Compounds. <b>1994</b> , 181-189	2
134	Fluorine-Containing Materials. <b>2000</b> , 183-233	9
133	Liquid Crystal Displays. <b>1994</b> , 195-226	3
132	Ferro- and Antiferroelectric Liquid Crystals. <b>2003</b> , 257-510	4
131	Flüssigkristalle. <b>1989</b> , 271-332	2
130	Alignment Films for Liquid Crystal Devices. <b>2014</b> , 59-80	3
129	Chiral Thermotropic Liquid Crystalline Polymers: An Overview. <b>1987</b> , 425-450	5
128	Optically Active Silicon-Containing Polymers. <b>2000</b> , 643-665	7
127	Ferroelectric, Antiferroelectric, and Ferrielectric Liquid Crystals: Applications. <b>2001</b> , 3063-3074	5
126	Liquid Crystal Displays. <b>1992</b> , 181-252	3
125	MOLECULAR ORGANIZATION OF PEPTIDES AND THEIR FUNCTION. <b>2001</b> , 207-231	0
124	The mesomorphic state. <b>2004</b> , 316-380	2

123	Liquid Crystal Displays: from Devices to Recycling. <b>2008</b> , 180-211		3
122	Linearly polarized electroluminescence device in which the polarized plane can be rotated electrically using a chiral liquid crystalline semiconductor. <b>2020</b> , 4, 2137-2148		7
121	Behaviour of thin planar Sm C* samples in an electric field. <b>1984</b> , 45, 137-141		45
120	The structure of chiral Sm C* liquid crystals in planar samples and its change in an electric field. <b>1984</b> , 45, 143-149		77
119	Textures and structure of the low temperature liquid crystal phases of HOBACPC [(R-) hexyloxybenzylidene p'-amino-2-chloropropyl cinnamate]. <b>1985</b> , 46, 2151-2160		8
118	Temperature dependence of the rotatory power in the SmC* phase of DOBAMBC. <b>1988</b> , 49, 1569-1573		18
117	Undulation instability of a planar S*c liquid crystal in the presence of dilation strains. <b>1989</b> , 50, 1313-1321		2
116	DSC and microscopic investigations on HOBACPC. <b>1983</b> , 44, 201-206		7
115	New electromechanical effect in chiral smectic C* liquid crystals. <b>1985</b> , 46, 759-761		41
114	Fringe field effect free high-resolution display and photonic devices using deformed helix ferroelectric liquid crystal. <i>Liquid Crystals</i> , <b>2021</b> , 48, 100-110	2,3	6
113	de Vries liquid crystals based on a chiral 5-phenylpyrimidine benzoate core with a tri- and tetra-carbosilane backbone. <b>2018</b> , 2,		14
112	Investigation of the heliconical smectic SmCSPFhel phase in achiral bent-core mesogens derived from 4-cyanoresorcinol. <b>2019</b> , 3,		9
111	In-plane only retardation switching by certain type of smectic liquid crystal panels. <b>2018</b> ,		0
110	Influence of DC Electric Field on Soft Mode of Main-Chain Ferroelectric Liquid-Crystalline Polyesters: Polymeric Effect on Collective Fluctuation. <b>2010</b> , 3, 011701		1
109	2D-3D switchable display based on a passive polymeric lenticular lens array and electrically suppressed ferroelectric liquid crystal. <b>2017</b> , 42, 3435-3438		20
108	Two-step method for fast phase-shifting digital holography using ferroelectric liquid crystal retarder. <b>2019</b> , 2, 1908		4
107	Field Sequential Color Display Operation of a Flexible Liquid Crystal Device. <i>The Review of Laser Engineering</i> , <b>2004</b> , 32, 596-599	0	1
106	Influences of Zn and Mn ions co-dopants on the optical and ferroelectric properties of BaTiO <sub>3</sub> thin films. <b>2012</b> , 31, 193-196		2

- 105 Modulation of propagating surface plasmons. **2019**, 68, 147302 4
- 104 Control of Laser Speckle Noise Using Liquid Crystals. **2011**, 50, 09NE14 7
- 103 Fabrication of Defect-Free Ferroelectric Liquid Crystal Cells Using Alignment Films Rubbed in Antiparallel Direction. **2012**, 51, 03CC01 2
- 102 Effect of Polymer Stabilization on Molecular Alignment of Ferroelectric Liquid Crystal in Wide-Gap Cell. **2012**, 51, 09LD07 1
- 101 High open-circuit voltage under the bulk photovoltaic effect for the chiral smectic crystal phase of a double chiral ferroelectric liquid crystal doped with a fullerene derivative. **2021**, 5, 8265-8274 3
- 100 The synthesis and investigation of mesomorphic, dielectric, and electro-optic behavior of novel chiral imine-based rod-like liquid crystal. **2021**, 32, 28870
- 99 Electro-optical and dielectric characteristics of highly tilted ferroelectric liquid crystal material 4'-(3-pentanoyloxyprop-1-oxy)biphenyl-4-yl (S)-(+)-4-(1-methylheptyloxy) benzoate. **2021**, 122, 111650
- 98 Superconductivity Analogies, Ferroelectricity and Flow Defects in Liquid Crystals. **2002**, 55-72
- 97 Liquid Crystal Display Technology.
- 96 Viewing Angle Characteristics in Homeotropically Aligned Ferroelectric Liquid Crystal. **2004**, 124, 326-330
- 95 The influence of thermodynamic equilibrium state prior to the phase transition on the alignment of ferroelectric liquid crystal. **2010**, 59, 6261 4
- 94 Theoretical approximation study on the helix structure of ferroelectric liquid crystal. **2010**, 59, 4001 5
- 93 Ferroelectricity and Antiferroelectricity in Smectics. **2011**, 381-431
- 92 Smectic Elastomers. **2011**, 487-527
- 91 Photoreactive Processes for Flexible Displays and Optical Devices. **2011**, 205-250
- 90 Cyclic Co-oligomeric Ferroelectric Liquid Crystals with Fast Switching Properties, Wide SmC\*Temperature Range and de Vries-type SmA\*-SmC\*Transition. **2011**, 32, 3057-3062
- 89 Liquid Crystalline Materials. **2014**, 243-300
- 88 Smectic LCD Modes. **2014**, 1-20

87 Liquid Crystal Materials for Devices. **2014**, 1-21

86 Next-Generation Liquid Crystal Displays. **2014**, 207-239

85 Liquid Crystal Materials. **2014**, 3-51

0

84 Ferroelectric liquid crystal-photo-addressed spatial light modulator. **1986**,

83 Electro-optic Effects in Liquid Crystals. **1987**, 90-98

82 Electro-optic Devices Using Liquid Crystals. **1987**, 99-109

81 Electrophotographic Printing. **1988**, 221-260

80 Comment on the paper : Electromechanical response to white noise excitation in a ferroelectric liquid crystal. **1989**, 50, 3173-3174

1

79 Waves in Anisotropic Media. **1989**, 197-229

78 ??????????. **1989**, 38, 160-160

77 Introduction. **1992**, 1-8

1

76 Flat-Panel Displays. **1992**, 257-281

75 Theory of interconnection networks. **1993**, 333-360

74 Product Materials. **1993**, 113-157

73 Product Materials. **1993**, 113-157

72 Bistable Nematics I A Novel Approach towards Optical Information Processing. *Teubner-Texte Zur Physik*, **1993**, 18-33

71 New fluorine containing ferroelectric side chain liquid-crystalline polysiloxanes showing bistable fast switching. **1994**, 255-258

70 Organic Electrooptic Materials. **1994**, 161-191

- 69 Materials for Spatial Light Modulators. **1994**, 369-406
- 68 Stereo-Glasses with Composite and Chiral Liquid Crystals. **1997**, 313-316
- 67 Liquid crystal polymers. **1998**, 161-199
- 66 Effect of Polymer Network in Polymer Dispersed Ferroelectric Liquid Crystals (PSFLC). **2015**, 133-167
- 65 Liquid Crystals Order in Polymeric Microchannels. **2015**, 1-14
- 64 Alternative Technologies for Mobile and Wearable Displays. **2015**, 1-19
- 63 Materials and Phase Structures of Calamitic and Discotic Liquid Crystals. **2016**, 1845-1895
- 62 Smectic LCD Modes. **2016**, 2091-2115
- 61 High-Speed Liquid Crystal Spatial Light Modulator. *The Review of Laser Engineering*, **2016**, 44, 439 ○ 1
- 60 Alternative Technologies for Mobile and Wearable Displays. **2016**, 2765-2783
- 59 Liquid Crystal Materials for Devices. **2016**, 1925-1952
- 58 Liquid Crystal Polymer Composite Materials for LCDs. **2016**, 2223-2250 1
- 57 Bistable Liquid Crystal Displays. **2016**, 2157-2198
- 56 Ferroelectric, Antiferroelectric, and Ferrielectric Liquid Crystals: Applications. **2018**,
- 55 Cholesteric metronomes with flexoelectrically-programmable amplitude. **2018**,
- 54 Polyethylene Glycol as a Bistable Scattering Matrix for Fluorescent Materials. *Springer Series in Optical Sciences*, **2019**, 99-117 0.5 ○
- 53 A fluid liquid crystal with ferroelectric-like order. **2019**,
- 52 Electro-optic and dielectric properties of polymer networks stabilised short pitch chiral smectic C\* liquid crystal. *Liquid Crystals*, **2021**, 48, 1231-1246 2.3 ○

51	Photoactive Liquid Crystalline Polymers. <i>Polymers and Polymeric Composites</i> , <b>2020</b> , 1-26		0.6
50	Analog modulation by the flexoelectric effect in liquid crystals. <i>Applied Optics</i> , <b>2020</b> , 59, 2668-2673	1.7	1
49	Correlation between alignment geometries and memory effect in a surface-stabilized ferroelectric liquid crystal. <i>Physical Review E</i> , <b>2020</b> , 102, 032703	2.4	
48	Observation of "de Vries-like" properties in bent-core molecules.. <i>Chemical Science</i> , <b>2022</b> , 13, 2249-2257	9.4	0
47	Triple plasmon-induced transparency and dynamically tunable electro-optics switch based on a multilayer patterned graphene metamaterial.. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2022</b> , 39, 377-382	1.8	2
46	Ferroelectric liquid crystals: futuristic mesogens for photonic applications. <i>European Physical Journal: Special Topics</i> , 1	2.3	1
45	Introduction to Liquid Crystals. <b>2022</b> , 1-28		
44	Liquid crystals/liquid crystal polymers nanocomposites for memory applications. <b>2022</b> , 117-140		
43	Sub-layer rationale of anomalous layer-shrinkage from atomistic simulations of a fluorinated mesogen. <i>Materials Advances</i> , <b>2022</b> , 3, 1212-1223	3.3	1
42	Influence of fluorosubstitution on physical properties of the smectogenic chiral ester. <i>Materials Research Bulletin</i> , <b>2022</b> , 150, 111756	5.1	1
41	Comparative study of electrooptic, dielectric, and structural properties of two glassforming antiferroelectric mixtures with a high tilt angle.. <i>Physical Review E</i> , <b>2022</b> , 105, 024705	2.4	3
40	Static Permittivity and Electro-Optical Properties of Bi-Component Orthoconic Antiferroelectric Liquid Crystalline Mixtures Targeted for Polymer Stabilized Sensing Systems.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	0
39	Sub-millisecond in-plane only phase modulation by an SSD liquid crystal technology to AR/VR devices. <b>2022</b> ,		0
38	Modifications of EHPDB Physical Properties through Doping with FeO Nanoparticles (Part II).. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 23,	6.3	
37	Bistable Liquid Crystal Displays. <b>2022</b> , 165-184		
36	Polymer sustained alignment for vertical aligned liquid crystal devices with a fast response and high contrast. <i>Liquid Crystals</i> , 1-9	2.3	
35	Structural and optical properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin films on single crystalline substrates. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 148, 106795	4.3	
34	Comparative study of crystallization of two fluorinated chiral liquid crystalline compounds differing by fluorosubstitution of the molecular core. <i>Journal of Crystal Growth</i> , <b>2022</b> , 126771	1.6	2

- 33 Nanocomposites Based on Antiferroelectric Liquid Crystal (S)-MHPOBC Doping with Au Nanoparticles. *Molecules*, **2022**, 27, 3663 4.8 ○
- 32 Liquid Crystal Switches. **2022**, 129-146
- 31 Fluorosubstitution of the Molecular Core in Chiral Esters with Short Terminal Carbon Chains: Influence on Physical Properties. *Crystals*, **2022**, 12, 1028 2.3 ○
- 30 Design and fabrication of a Nb2O5 MMI coupler for optical switches. **2022**,
- 29 Nucleation and Coalescence of Isotropic Droplets in a Liquid-Crystal Matrix. The Role of Surfaces. **2022**, 16, 586-591
- 28 A new generation of ferroelectric liquid crystals with homogeneous and shock-stable orientation. 1-7
- 27 The Zenithal Bistable Display. **2022**, 131-152
- 26 Device for microsecond switching of optical patterns.. **1997**, ○
- 25 Ferroelectric Liquid Crystal Nanocomposite for Optical Memory and Next Generation Display Applications. **2022**, 205-222 ○
- 24 Electro-optics of ferroelectric and antiferroelectric liquid crystal helical nanostructures. **2022**, 120493 ○
- 23 47.2: A New Generation of LCD's Based on Ferroelectric Liquid Crystals Showing Uniform and Stable Orientation. **2022**, 53, 470-473 ○
- 22 Development of liquid crystal displays and related improvements to their performances. **2022**, 98, 493-516 ○
- 21 Phase Sequence, Kinetics of Crystallization and Molecular Dynamics of the Chiral Liquid Crystalline Compound Forming a Hexatic Smectic Glass. **2022**, 12, 1583 ○
- 20 The comparison of self-assembling behaviour of phenyl biphenylcarboxylate and biphenyl benzoate compounds with the different length and shape of chiral terminal chain. **2023**, 369, 120882 ○
- 19 Obituary Prof. Dr. Gerd Heppke. **2022**, 31, 18-27 ○
- 18 Reentrant 2D Nanostructured Liquid Crystals by Competition between Molecular Packing and Conformation: Potential Design for Multistep Switching of Ionic Conductivity. ○
- 17 Evolutionary Development of Advanced Liquid Crystal Spatial Light Modulators. **1988**, ○
- 16 Silicon Active Backplane Spatial Light Modulators Using Ferroelectric Liquid Crystals. **1990**, ○

- 15 Operation Characteristics of a Ferroelectric Liquid Crystal Spatial Light Modulator. **1990**, ○
- 14 Ferroelectric Liquid Crystal Spatial Light Modulators And Their Applications. **1990**, 1
- 13 Real time displacement measurement with FLC-SLM (Ferroelectric Liquid Crystal Spatial Light Modulator ) by correlation of speckle patterns. **1993**, ○
- 12 A Space-Modulating Ferroelectric Liquid-Crystal Light Valve and its Application to Multi-Valued Logic Gates. **1993**, ○
- 11 Diastereomeric Effect on Bulk Photovoltaic Property and Polarized Electroluminescence in Ferroelectric Liquid Crystals Containing an Extended  $\pi$ Conjugated Unit. **2023**, 96, 247-256 ○
- 10 Liquid crystal grating based on modulation of circularly polarized light. **1996**, ○
- 9 Matrix-Vector Multiplication Using Polarization Rotators. **1987**, ○
- 8 Polarization-Based Optical Parallel Logic Gates Using Ferroelectric Liquid Crystal Spatial Light Modulators. **1987**, ○
- 7 Ferroelectric Liquid Crystal Spatial Light Modulators. **1987**, ○
- 6 Improvement in molecular ordering of ferroelectric liquid crystal by incorporating CuGaS<sub>2</sub>/ZnS core/shell quantum dots. 1-10 ○
- 5 Reconfigurable Geometrical Phase Spatial Light Modulator Using Short-Pitch Ferroelectric Liquid Crystals. ○
- 4 Spontaneous mirror symmetry breaking and chiral segregation in the achiral ferronematic compound DIO. **2023**, 25, 9083-9091 ○
- 3 Fast-switching speed image flipping technique using an SSD-LC drive mode for VR/AR/MR uses. **2023**, ○
- 2 Determination of tilt angle and its behavior in chiral smectic phases by exploring molecular conformations using complementary methods. **2023**, 107, ○
- 1 Origin of the Monolayer and Bilayer Arrangement in Smectic A and C Mesophases and Nematic Cybotactic Domains: The Case Study of Benzyloxy-Terminated Isoxazole Liquid Crystals. ○