

This article was downloaded by: [Tomsk State University of Control Systems and Radio]

On: 23 February 2013, At: 03:37

Publisher: Taylor & Francis

Informa Ltd Registered in England and Wales Registered Number: 1072954

Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Molecular Crystals and Liquid Crystals

Publication details, including instructions for authors and subscription information:

<http://www.tandfonline.com/loi/gmcl16>

Liquid Crystals, A Bibliography for 1978

W. Fehrenbach^a, R. Dreher^a & G. Meier^{a b}

^a Fraunhofer-Institut fuer Angewandte Festkoerperphysik, Eckerstr. 4, D-7800, Freiburg, W.-Germany

^b Citation Service ASCA of the Institute for Scientific Information, Philadelphia, Pennsylvania, 19106, U.S.A.

Version of record first published: 20 Apr 2011.

To cite this article: W. Fehrenbach, R. Dreher & G. Meier (1980): Liquid Crystals, A Bibliography for 1978, *Molecular Crystals and Liquid Crystals*, 61:1-2, 79-162

To link to this article: <http://dx.doi.org/10.1080/00268948008081985>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.tandfonline.com/page/terms-and-conditions>

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae, and drug doses should be independently verified with primary sources. The publisher shall not be liable

for any loss, actions, claims, proceedings, demand, or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

Liquid Crystals

A Bibliography for 1978

W. FEHRENBACH, R. DREHER, and G. MEIER†

*Fraunhofer-Institut fuer Angewandte Festkoerperphysik,
Eckerstr. 4, D-7800 Freiburg, W.-Germany*

(Compiled on May 2, 1980)

- 1 ADAM M GENNES PG DE PIERANSK.P
J PHYS LETT 39 L47 78
(FR) INSTABILITY IN CONDUCTING ANISOTROPIC
SUSPENSIONS
- 2 ADAMSKI P KLIMCZYK S
KRISTALLOGR 23 154 78
(RS) INVESTIGATION OF CRYSTALLIZATION RATE
CONSTANT AND AVRAMI INDEX FOR CHOLESTERINE
PELARGONATE
- 3 ADAMSKI P DYLIKRO.A WOJCIECH.M
KRISTALLOGR 23 1080 78
(RS) OPTICAL DISPERSION IN CHOLESTEROL PELARGONATE
- 4 ADAMSKI P CZYZEWSK.R
KRISTALLOGR 23 1284 78
(RS) ACTIVATION-ENERGY AND GROWTH VELOCITY OF
SPHERULITES OF CHOLESTEROL LIQUID-CRYSTALS
- 5 ADAMSKI P CZYZEWSK.R
MOLEC CRYST 48 193 78
EXPLANATION OF SPHERULITES GROWTH-RATE CHANGE IN
CHOLESTERIC LIQUID-CRYSTALS AS INVESTIGATED BY THE
MICROSCOPIC METHOD

† Bibliography was compiled by using material from the Citation Service ASCA of the
Institute for Scientific Information, Philadelphia, Pennsylvania 19106, U.S.A.

- 80 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 6 ADEOSUN SO
THERMOC ACT 25 333 78
THERMAL-BEHAVIOR OF SYSTEM LEAD(II) DODECANOATE
LEAD ACETATE
- 7 ADEOSUN SO SIME SJ
THERMOC ACT 27 319 78
PROPERTIES OF MOLTEN CARBOXYLATES .7. ODD-EVEN
VARIATIONS IN MELTING AND MESOPHASE FORMATION IN
LEAD(II) CARBOXYLATES
- 8 AHMADI G
MOLEC CRYST 47 209 78
THEORY OF EXTENSIBLE NEMATIC LIQUID-CRYSTALS
- 9 AIZAWA M SUZUKI N HIRANO M SUZUKI S
ELECTR ACT 23 1061 78
PHOTOINDUCED ELECTRON-TRANSFER OF A CHLOROPHYLL
LIQUID CRYSTAL ELECTRODE TO WATER
- 10 AIZAWA M HIRANO M SUZUKI S
J MEMBR SCI 4 251 78
ENERGY-TRANSDUCING MEMBRANE .1. PHOTO-RESPONSE OF
A CHLOROPHYLL LIQUID-CRYSTAL MEMBRANE
- 11 ALBERTIN.G LAGOMARS.S RUSTICHE.F VOLINO F
SOL ST COMM 27 607 78
NEUTRON-DIFFRACTION STUDY OF SMECTIC-C-SMECTIC-A
PHASE TRANSITION OF TBBA
- 12 ALBERTIN.G CORINALD.M MAZKEDIA.S MELONE S
PONZIBOS.MG RUSTICHE.F
ANN PHYSIQ 3 373 78
EVIDENCE FOR CYBOTACTIC CLUSTER PRETRANSITION
FORMATION IN TBBA LIQUID-CRYSTAL
- 13 ALBERTIN.G LAGOMARS.S RUSTICHE.F VOLINO F
ANN PHYSIQ 3 401 78
NEUTRON-DIFFRACTION STUDY OF SMECTIC-C SMECTIC-A
PHASE TRANSITION OF TBBA
- 14 ALBON N STURTEVA.JM
P NAS US 75 2258 78
NATURE OF GEL TO LIQUID-CRYSTAL TRANSITION OF
SYNTHETIC PHOSPHATIDYLCHOLINES
- 15 ALBRAND JP COGNE A ROBERT JB
J AM CHEM S 100 2600 78
CYCLOTETRAPHOSPHANES - GEOMETRY, $1J(\text{PP})$ NUCLEAR
MAGNETIC-RESONANCE COUPLING-CONSTANTS, AND
PHOSPHORUS CHEMICAL-SHIFT ANISOTROPY - NUCLEAR
MAGNETIC-RESONANCE STUDY IN LIQUID-CRYSTALS

- 16 ALBRECHT O GRULER H SACKMANN E
J PHYSIQUE 39 301 78
POLYMORPHISM OF PHOSPHOLIPID MONOLAYERS
- 17 ALI AA MULLEY BA
J PHARM PHA 30 205 78
FORMATION OF LIQUID-CRYSTAL AND OTHER NON-FLUID
PHASES IN EMULSIONS CONTAINING NONIONIC
SURFACTANTS
- 18 ALLENDER DW DOANE JW
PHYS REV A 17 1177 78
BIAXIAL ORDER PARAMETERS IN LIQUID-CRYSTALS -
THEIR MEANING AND DETERMINATION WITH NUCLEAR-
QUADRUPOLE RESONANCE
- 19 ALLENDER DW
B AM PHYS S 23 354 78
MEAN FIELD-THEORY OF A NEW ORDER PARAMETER
OBSERVED IN NMR OF LIQUID-CRYSTALS
- 20 ALLET C KLEMAN M VIDAL P
J PHYSIQUE 39 181 78
STRIPPED PATTERNS IN A THIN DROPLET OF A SMECTIC C-
PHASE
- 21 ALSNIELS.J BIRGENEA.RJ KAPLAN M LITSTER JD
SAFINYA CR
B AM PHYS S 23 352 78
X-RAY CRITICAL SCATTERING AT NEMATIC-SMECTIC-A
TRANSITION IN 8-OCB
- 22 ALSNIELS.J BIRGENEA.RJ KAPLAN M LITSTER JD
SAFINYA CR
ANN PHYSIQ 3 357 78
HIGH-RESOLUTION X-RAY STUDIES OF SMECTIC-A NEMATIC
TRANSITION
- 23 AMARAL LQ PIMENTEL CA TAVARES MR
ACT CRYST A 34 S188 78
STUDY OF ORIENTED PHASE OF LYOTROPIC LIQUID-
CRYSTAL
- 24 ANGELL CL LEWIS IC
CARBON 16 431 78
RAMAN-SPECTROSCOPY OF MESOPHASE PITCHES
- 25 ANIKIN AM LAZAREVA VT LAGUNOV AS
ZH FIZ KHIM 52 722 78
(RS) MAGNETOACOUSTIC PROPERTIES OF LIQUID-
CRYSTALLINE PHASES OF OCTYL-PARA-HYDROXYBENZOIC
ACID

- 82 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 26 ANTHONY KH
COLLOID P S 256 859 78
(GE) APPLICATION OF FIELD-THEORIES TO TREATMENT OF
PHYSICAL PROBLEMS OF ORDERED POLYMERS
- 27 APFEL MS LASKIN DM
J DENT RES 57 92 78
LIQUID-CRYSTAL THERMOGRAPHY IN MYOFASCIAL PAIN-
DYSFUNCTION (MPD) SYNDROME
- 28 APRIL EW
ANAT REC 190 327 78
LIQUID-CRYSTALLINE CONTRACTILE APPARATUS IN
STRIATED-MUSCLE
- 29 APRIL EW
ACS SYMP S 1978 248 78
LIQUID-CRYSTALLINE CONTRACTILE APPARATUS IN
STRIATED-MUSCLE
- 30 ARAKELYA.SM ARUSHANY.LE NSHANYAN MA CHILINGA.YS
FIZ TVERD T 20 3131 78
(RS) THERMAL EXCITATION OF TEXTURE OF CYLINDRICAL
DOMAINS IN NEMATIC LIQUID-CRYSTAL (TECHNICAL NOTE)
- 31 ARAKELYA.SM GRIGORYA.GL NERSISYA.ST NSHANYAN MA
CHILINGA.YS
JETP LETTER 28 186 78
2ND HARMONIC-GENERATION IN LIQUID-CRYSTALS -
SYMMETRY OF MOLECULES AND MACROSCOPIC NONLINEARITY
- 32 ARMITAGE D PRICE FP
MOLEC CRYST 44 33 78
SUPERCOOLING AND NUCLEATION IN LIQUID-CRYSTALS
- 33 ARMITAGE D HAVEN T RADLEY K SAUPE A
BIOPHYS J 21 A122 78
PHYSICAL-PROPERTIES OF AN AMPHIPHILIC NEMATIC
LIQUID-CRYSTAL
- 34 ARORA VP AGARWAL VK
PHYS ST S-A 49 757 78
DIELECTRIC BEHAVIOR OF NEMATIC PHASE OH-MBBA
RADIO FREQUENCIES
- 35 ARORA VP AGARWAL VK
J PHYS JPN 45 1360 78
DIELECTRIC BEHAVIOR OF EBBA IN NEMATIC PHASE AT
RADIO-FREQUENCIES

- 36 ARVIDSON G FONTELL K JOHANSSO.LB LINDBLOM G
ULMIUS J WENNERST.H
BER BUN GES 82 977 78
LIQUID-CRYSTALLINE STRUCTURES IN LECITHIN-CHOLATE-
WATER SYSTEM STUDIED BY NMR AND X-RAY-DIFFRACTION
METHODS
- 37 ASHER SA PERSHAN PS
BIOPHYS J 21 A123 78
ALIGNEMENT OF MONODOMAIN SMECTIC LIPID LIQUID-
CRYSTALS - DEFECTS AND INSTABILITIES
- 38 AVERYANO.EM SHABANOV VF
KRISTALLOGR 23 320 78
(RS) STRUCTURAL AND OPTICAL ANISOTROPY OF NEMATIC
- 39 AVERYANO.EM SHABANOV VF
KRISTALLOGR 23 1232 78
(RS) INTERNAL FIELD ANISOTROPY IN NEMATIC LIQUID-
CRYSTALS
- 40 AXEL F
ANN PHYSIQ 3 287 78
SINGLE CIS DOUBLE-BONDS IN LYOTROPIC SOAP SYSTEMS
EFFECTS OF PRESENCE AND POSITION ON CHAIN
- 41 AZIMA A BROWN CW MITRA SS
SPECT ACT A 34 47 78
INFRARED-SPECTRA OF 4 P-N-ALKOXYBENZOIC ACIDS IN
SOLID, LIQUID-CRYSTALLINE AND ISOTROPIC PHASES
- 42 BABAIEV AS TESHAEV BT STAFEEV VI
ZH FIZ KHIM 52 1412 78
(RS) ELECTROPHYSICAL PROPERTIES OF LIQUID-
CRYSTALLINE SUBSTANCES
- 43 BADALYAN DA KHACHATU.AG
J PHYS CH S 39 711 78
CORRELATION IN STATISTICAL-THEORY OF LIQUID-
CRYSTALS
- 44 BARAN JW BOROWSKI F KEDZIERS.J RASZEWSK.Z
ZMIJA J SADOWSKA KW
B POL CHIM 26 117 78
OPTICAL ANISOTROPY AND MOLECULAR-PARAMETERS OF
LIQUID-CRYSTALLINE 4,4'-NORMAL-PENTYLCYANOBIPHENYL
(PCB)
- 45 BARAN JW KEDZIERS.J RASZEWSK.Z ZMIJA J
ACT CRYST A 34 S189 78
OPTICAL-PROPERTIES AND MOLECULAR CHARACTERISTICS
OF THE LIQUID-CRYSTALLINE HOMOLOGOUS SERIES

- 46 BARAN JW KEDZIERS.J RASZEWSK.Z ZMIJA J
ACT CRYST A 34 S190 78
DIELECTRIC PROPERTIES AND MOLECULAR
CHARACTERISTICS OF THE LIQUID-CRYSTALLINE
HOMOLOGOUS SERIES
- 47 BARAN JW
ACT CRYST A 34 S190 78
INTERACTION OF MOLECULES IN NEMATIC LIQUID-
CRYSTALS
- 48 BARBERIN F CHEVARIN B GERMAIN JP FABRE C
CABARET D
MOLEC CRYST 46 181 78
(FR) ELECTRON-SPIN RESONANCE-STUDY OF
MACROSCOPIC AND MICROSCOPIC ORIENTATIONS OF
ISOTROPIC AND NEMATIC PHASES OF EBBA BY MEANS
OF DEUTERATED NITROXIDE RADICAL PROBE
- 49 BARNIK MI BLINOV LM TRUFANOV AN UMANSKI BA
J PHYSIQUE 39 417 78
FLEXO-ELECTRIC DOMAINS IN LIQUID-CRYSTALS
- 50 BARNIK MI BELYAYEV SV GREBENKI.MF RUMYANTS.VG
SELIVERS.VA TSVETKOV VA SHTYKOV NM
KRISTALLOGR 23 805 78
(RS) ELECTRICAL, OPTICAL AND ELASTICALLY VISCOUS
PROPERTIES OF LIQUID-CRYSTAL MIXTURE OF AZOXY-
COMPOUNDS
- 51 BARNIK MI ZBOROVSK.AA IVANOV BB YUDIN SG
TEL RAD E R 32-3 138 78
INVESTIGATION OF THE CONTROLLING ELEMENTS OF
OPTICAL AUTOMATIC LEVEL CONTROL-SYSTEMS USING
LIQUID-CRYSTALS
- 52 BARRATT PJ SLOAN DM
J PHYS D 11 2131 78
THERMAL INSTABILITIES IN TWISTED NEMATIC LIQUID-
CRYSTALS
- 53 BARTOLIN.R DURAND G
ANN PHYSIQ 3 235 78
PLASTIC BEHAVIOR OF A SMECTIC-A LIQUID-CRYSTAL
- 54 BARTOLIN.R DURAND G
ANN PHYSIQ 3 257 78
EDGE DISLOCATIONS IN A SMECTIC-C PHASE
- 55 BARTOLIN.R DOUCET J DURAND G
ANN PHYSIQ 3 389 78
MOLECULAR TILT IN SMECTIC-C PHASE - ZIGZAG MODEL

- 56 BATA L
ACT PHY P A 54 625 78
MOLECULAR-DYNAMICS IN UNIAXIAL LIQUID-CRYSTALS
- 57 BATA L BUKA A
ACT PHY P A 54 635 78
DIELECTRIC MEASUREMENTS ON SMECTIC-A AND NEMATIC PHASES
- 58 BAUER HJ WALTER M
MOLEC CRYST 49 89 78
DIELECTRIC-RELAXATION OF NEMATIC MBBA UNDER SHEAR
- 59 BELOV DA
ACT CRYST A 34 S351 78
LIQCRYST - APPLICATION OF ARTIFICIAL INTELLIGENCE FOR THE COMPUTER INFERENCE OF LIQUID-CRYSTAL STRUCTURE FROM X-RAY DATA
- 60 BELYAEV SV
ZH EKSP TEO 75 705 78
(RS) ELECTROHYDRODYNAMIC INSTABILITY WITH AN ISOTROPIC MECHANISM IN CHOLESTERIC LIQUID-CRYSTALS
- 61 BELYAEV VV CHIGRINO.VG
KRISTALLOGR 23 1083 78
(RS) DYNAMICS OF TWIST-EFFECT IN NEMATIC LIQUID-CRYSTALS - RELAXATION OF INCLINATION ANGLE IN MOLECULES
- 62 BELYAYEV VV CHIGRINO.VG
KRISTALLOGR 23 811 78
(RS) SWITCHING DYNAMICS OF NEMATIC LIQUID-CRYSTALS WITH LOW-FREQUENCY DISPERSION OF DIELECTRIC ANISOTROPY
- 63 BENABRAH.SI FRANKLIN WM
B AM PHYS S 23 354 78
NEW INSIGHTS INTO NON-LINEAR ELECTRO-HYDRODYNAMICS OF NEMATIC LIQUID-CRYSTALS
- 64 BENATTAR JJ LEVELUT AM STRZELEC.L
J PHYSIQUE 39 1233 78
(FR) INFLUENCE OF MOLECULAR LENGTH ON CHARACTERISTICS OF ORDERED SMECTIC B-PHASES
- 65 BENGUIGU.L CABIB D
PHYS ST S-A 47 71 78
DETERMINATION OF TILT ANGLE IN SMECTIC-C PHASE OF BIS-(HEPTYLOXY)-AZOXYBENZENE BY MEANS OF DIELECTRIC MEASUREMENTS

- 86 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 66 BENGUIGU.L
PHYS LETT A 66 383 78
DIELECTRIC PERMITTIVITY IN SMECTIC-A PHASE OF
LIQUID-CRYSTALS
- 67 BENGUIGU.L CABIB D
ANN PHYSIQ 3 197 78
DIELECTRIC PROPERTIES OF SMECTIC PHASES OF LIQUID-
CRYSTALS
- 68 BERESNEV LM BLINOV LM SOKOLOVA EB
JETP LETTER 28 314 78
KINETICS OF SPONTANEOUS POLARIZATION IN A
FERROELECTRIC LIQUID-CRYSTAL
- 69 BEREZIN VI BOGACHEV NV KATS ML NEDRANET.YI
ZH FIZ KHIM 52 1077 78
(RS) CALCULATION OF ABSORPTION-SPECTRA OF LIQUID-
CRYSTALLINE COMPLEXES, FORMED FROM SUBSTITUTED
AZOXYBENZENES
- 70 BERGMANN K STEGEMEY.H
BER BUN GES 82 1309 78
OPTICAL-PROPERTIES OF THE ISOTROPIC MESOPHASE
FORMED BY CHOLESTERYL ESTERS
- 71 BERNARDI.JE
J TEXT STUD 9 283 78
EFFECT OF SHEAR ON NEMATIC MESOPHASE OF WHEAT
STORAGE PROTEIN-A-GLIADIN
- 72 BERTOLOT.M SCUDIERI F STURLA E
J APPL PHYS 49 3922 78
ULTRASOUND-PRODUCED ROLLS IN NEMATIC LIQUID-
CRYSTALS AS STUDIED THROUGH SPATIAL COHERENCE OF
SCATTERED-LIGHT
- 73 BHATTACH.S MUSCUTAR.I KETTERSO.JB
MOLEC CRYST 44 1 78
ANISOTROPIC ULTRASOUND PROPAGATION IN A
CHOLESTERIC LIQUID-CRYSTAL
- 74 BHATTACH.S SARMA B KETTERSO.JB
B AM PHYS S 23 352 78
SOUND-PROPAGATION IN TBBA NEAR NEMATIC-SMECTIC-A
TRANSITION
- 75 BHATTACH.S HONG CE LETCHER SV
PHYS REV L 41 1736 78
OBSERVATION OF NEWTONIAN CAPILLARY SHEAR-FLOW IN
AN ORIENTED CHOLESTERIC LIQUID-CRYSTAL

- 76 BILLARD J MAMLOK L
MOLEC CRYST 41 217 78
(FR) MESOPHASES OF CYCLOHEXANE DERIVATIVES
- 77 BILLARD J DUBOIS JC HUUTINH N ZANN A
NOUV J CHIM 2 535 78
(FR) MESOPHASE OF DISK-LIKE MOLECULES
- 78 BIRGENEA.RJ LITSTER JD
J PHYS LETT 39 L399 78
BOND ORIENTATIONAL ORDER MODEL FOR SMECTIC B-
LIQUID CRYSTALS
- 79 BLEHA WP LIPTON LT WIENERAV.E GRINBERG J
REIF PG CASASENT D BROWN HB MARKEVIT.BV
OPT ENG 17 371 78
APPLICATION OF LIQUID-CRYSTAL LIGHT VALVE TO REAL-
TIME OPTICAL DATA-PROCESSING
- 80 BLINC R VILFAN M LUZAR M SELIGER J
ZAGAR V
J CHEM PHYS 68 303 78
SPIN-LATTICE RELAXATION MECHANISMS IN SMECTIC
PHASES OF TBBA
- 81 BLINC R DESABARR.FC
PHYS ST S-B 87 K105 78
ELECTRIC-FIELD INDUCED LIFSHITS POINT IN SMECTIC
LIQUID-CRYSTALS
- 82 BLINC R ZEKS B
PHYS REV A 18 740 78
DYNAMICS OF HELICOIDAL FERROELECTRIC SMECTIC-C
LIQUID-CRYSTALS
- 83 BLINOV LM BELYAEV SV KIZEL VA
PHYS LETT A 65 33 78
HIGH-ORDER REFLECTIONS FROM A CHOLESTERIC HELIX
INDUCED BY AN ELECTRIC FIELD
- 84 BLOOM A HUNG PLK
MOLEC CRYST 44 323 78
LIQUID-CRYSTALLINE CHOLESTERYL AZO DYES
- 85 BLUMSTEI.A PATEL LN
MOLEC CRYST 41 195 78
ORIENTATION OF ALKOXYBENZOIC ACIDS IN THEIR
NEMATIC STATE
- 86 BLUMSTEI.A OSADA Y CLOUGH SB HSU EC
BLUMSTEI.RB
ACS SYMP S 1978 56 78
LIQUID-CRYSTALLINE ORDER IN POLYMERS AND
COPOLYMERS WITH CHOLESTERIC SIDE GROUPS

- 88 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 87 BLUMSTEI.A PATEL LN
MOLEC CRYST 48 151 78
MOLECULAR ARRANGEMENT IN MESOPHASES OF SOME P-N-
ALKOXYBENZOIC ACIDS
- 88 BOBBEL G
SCIENTIA 113 36 78
LIQUID-CRYSTALS - CHANDRASEKHAR.S
- 89 BOBROV VI
ZH FIZ KHIM 52 1514 78
(RS) CORRELATION BETWEEN VISCOSITY AND SURFACE-
TENSION OF SOME LIQUID-CRYSTALS
- 90 BOCK M RICHTER EJ SCHNEIDE.F
MOLEC CRYST 45 221 78
ELECTRICAL CONDUCTIVITY OF LIQUID-CRYSTAL MIXTURES
WITH INDUCED SMECTIC PHASES
- 91 BOCQUET JF POMMIER C
J CHROMAT 166 357 78
(FR) USE OF LIQUID-CRYSTALS AS STATIONARY PHASES
IN GAS-LIQUID-CHROMATOGRAPHY .2. THEORETICAL
ASPECT
- 92 BODEGOM E COELHO R GALLAGHE.TJ
REV PHYS AP 13 427 78
THICKNESS DEPENDENCE OF CONDUCTIVITY IN PCB
LIQUID-CRYSTAL
- 93 BOEHM RE MARTIRE DE
MOLEC PHYS 36 1 78
UNIFIED STATISTICAL MECHANICAL DESCRIPTION OF A
RIGID-ROD FLUID
- 94 BOHLIN L FONTELL K
J COLL I SC 67 272 78
FLOW PROPERTIES OF LAMELLAR LIQUID-CRYSTALLINE
LIPID-WATER SYSTEMS
- 95 BOLGAR VA LEBEDEV VI TOMOLIN MG BEREZIN NP
SHULMAN MY
SOV J OPT T 45 52 78
REDUCTION OF SPOTTY STRUCTURE OF A COHERENT
OPTICAL-IMAGE THROUGH USE OF A LIQUID-CRYSTAL
SCREEN
- 96 BOLLER A CEREGHET.M SCHERRER H
Z NATURFO B 33 433 78
SYNTHESIS AND MESOMORPHIC PROPERTIES OF DIPHENYL-
PYRIMIDINES AND BIPHENYL-PYRIMIDINES

- 97 BONSOR DH LEADBETT.AJ TEMME FP
MOLEC PHYS 36 1805 78
INCOHERENT NEUTRON QUASI-ELASTIC SCATTERING STUDY
OF 2 NEMATOGENES
- 98 BORDEWIJ.P JEU WH DE
J CHEM PHYS 68 116 78
CALCULATION OF DIPOLE CORRELATION FACTORS IN
LIQUID-CRYSTALS WITH USE OF A SEMI-EMPIRICAL
EXPRESSION FOR INTERNAL FIELD
- 99 BORONKAY S STEERS M
ANN PHYSIQ 3 339 78
MEMORY LIGHT VALVE - SMECTIC-A LIQUID-CRYSTAL
ASSOCIATED TO A PHOTOCONDUCTOR
- 100 BORSTNIK B AZMAN A
Z NATURFO A 33 1597 78
MONTE-CARLO SIMULATION OF THE INTERFACES LIQUID-
CRYSTAL AND LIQUID-RIGID WALL
- 101 BOS PJ DOANE JW
PHYS REV L 40 1030 78
MOLECULAR ORDER VERSUS CONFORMATION CHANGES IN
LIQUID-CRYSTAL PHASES
- 102 BOS PJ NEUBERT M DOANE JW
B AM PHYS S 23 354 78
NMR MEASUREMENTS OF ORIENTATIONAL ORDER IN NEMATIC
AND SMECTIC-C PHASES
- 103 BOTHEREL P LALANNE JR MAELSTAF P POULIGNY B
J COLL I SC 63 178 78
RAYLEIGH-SCATTERING AND CORRELATED INVESTIGATIONS
OF MOLECULAR-REORIENTATION IN ISOTROPIC PHASE OF
NEMATOGEN NEMATEL-105
- 104 BOTT CC KURUCSEV T
CHEM P LETT 55 585 78
DETERMINATION OF TRANSITION-MOMENT DIRECTIONS BY
MEANS OF DICHROIC SPECTRA IN STRETCHED POLYMER-
FILMS - MECHANISM OF SOLUTE ORIENTATION
- 105 BOULIGAN.Y
ACS SYMP S 1978 237 78
CHOLESTERIC ORDER IN BIOPOLYMERS
- 106 BOULIGAN.Y DERRIDA B POENARU V POMEAU Y
TOULOUSE G
J PHYSIQUE 39 863 78
DISTORTIONS WITH DOUBLE TOPOLOGICAL CHARACTER -
CASE OF CHOLESTERIC

- 107 BOULIGAN.Y
J MICROSC S 3 373+ 78
(FR) EXPERIMENTAL ASPECTS OF DEFECTS IN
MESOMORPHIC STRUCTURES
- 108 BRAUN P GRANDE S LIMMER S HILLNER B
ANN PHYSIK 35 61 78
(GE) ORIENTATION OF NEMATIC PHASES IN MAGNETIC-
FIELDS
- 109 BRAZOVSK.SA FILYEV VM
ZH EKSP TEO 75 2240 78
(RS) CRITICAL PHENOMENA IN CHOLESTERIC LIQUID-
CRYSTALS
- 110 BRISBIN DJ JOHNSON DL
B AM PHYS S 23 352 78
DIVERGENCE OF BEND CURVATURE COEFFICIENT ABOVE
NEMATIC-SMECTIC-A TRANSITION - MAGNETIC-FIELD
INDUCED FREEDERICKSZ TRANSITION
- 111 BROWN A SALUJA CL
J PHYS E 11 1068 78
USE OF CHOLESTERIC LIQUID-CRYSTALS FOR SURFACE-
TEMPERATURE VISUALIZATION OF FILM-COOLING
PROCESSES
- 112 BRUCHMUL.HG
ACUSTICA 40 155 78
(GE) LIQUID-CRYSTAL CELL AS AN ACOUSTOOPTICAL
TRANSDUCER
- 113 BRUNO GV HARRINGT.JK EASTMAN MP
J PHYS CHEM 82 2582 78
ELECTRON-PARAMAGNETIC RESONANCE STUDIES OF SLOWLY
TUMBLING VANADYL SPIN PROBES IN NEMATIC LIQUID-
CRYSTALS
- 114 BRYAN RF FORCIER P MILLER RW
J CHEM S P2 1978 368 78
STRUCTURAL BASIS FOR ABSENCE OF THERMAL
MESOMORPHISM IN PARA-(P-METHOXYBENZYLIDENE)AMINO*
PHENOL
- 115 BRYAN RF
ACT CRYST A 34 S355 78
RELATIONS BETWEEN THERMAL MESOMORPHISM AND
CRYSTAL-STRUCTURE IN THE PARA-NORMAL-ALKOXY-
BENZOIC AND CINNAMIC-ACIDS

- 116 BUCZEK DM
MOLEC CRYST 47 145 78
THIN-FILM PROCESS TO IMPROVE OFF AXIS VIEWING OF
LIQUID-CRYSTAL DISPLAYS
- 117 BULKIN BJ BREZINSK.K
J CHEM PHYS 69 15 78
VIBRATIONAL-SPECTRA OF LIQUID-CRYSTALS .11.
CORRELATION-FUNCTIONS OBTAINED FROM 4-OCTYLOXY,
4'-CYANOBIPHENYL CN STRETCHING IN SMECTIC,
NEMATIC, ISOTROPIC AND SOLUTION PHASES
- 118 BURSKY D
ELEKTR DES 26 24 78
LARGE FLAT-PANEL DISPLAYS CLOSER TO PRACTICAL IN
LIQUID-CRYSTAL
- 119 BYATT DWG
OPT SPECTRA 12 84 78
EARLY STEPS TOWARD LIQUID-CRYSTALS DISPLAY
- 120 BYRON DJ LACEY D WILSON RC
MOLEC CRYST 45 267 78
PROPERTIES OF LIQUID-CRYSTALS FORMED BY CERTAIN 4-
BIPHENYL 4''-N-ALKOXYBENZOATES - REINVESTIGATION
- 121 CARLE DL LAIDLAW WG LEKKERKE.HN
J CHEM S F2 74 1158 78
HYDRODYNAMIC CORRELATION-FUNCTIONS IN NEMATIC
LIQUID-CRYSTALS - PROPAGATING MODES
- 122 CARR SG KHOO SK LUCKHURS.GR SMITH HJ
MOLEC CRYST 45 161 78
ORIENTATIONAL ORDER IN CHOLESTERIC LIQUID-CRYSTALS
- 123 CASTRO CA HIKATA A ELBAUM C
PHYS REV A 17 353 78
ULTRASONIC-ATTENUATION ANISOTROPY IN A NEMATIC
LIQUID-CRYSTAL
- 124 CASTRO CA ELBAUM C
MOLEC CRYST 41 169 78
ANISOTROPY OF ULTRASONIC-ATTENUATION IN NEMATIC
LIQUID-CRYSTALS
- 125 CHABAN IA
SOV PH AC R 24 145 78
VIBROHYDRODYNAMIC INSTABILITY OF LIQUID-CRYSTALS
- 126 CHAN WK PERSHAN PS
BIOPHYS J 23 427 78
WATER AND THERMAL-DIFFUSIVITY IN A LIPID-WATER
SMECTIC PHASE

- 127 CHANDRAS.S
CURRENT SCI 47 523 78
X-RAY ANALYSIS OF LIQUID-CRYSTALS
- 128 CHAPMAN D
PUR A CHEM 50 627 78
LIQUID-CRYSTALS AND CELL-MEMBRANES
- 129 CHAPOY LL DUPRE DB
J CHEM PHYS 69 519 78
POLARIZED FLUORESCENT EMISSION IN UNIAXIAL LIQUID-
CRYSTALS - EFFECT OF INTRA-MOLECULAR ENERGY-
TRANSFER AND ROTATIONAL BROWNIAN-MOTION ON
MEASUREMENTS OF ORIENTATIONAL DISTRIBUTION
FUNCTION
- 130 CHARLES JA
EXP MECH 18 N35 78
USE OF LIQUID-CRYSTALS FOR DETECTING FATIGUE
DAMAGE
- 131 CHARVOLI.J MELY B
MOLEC CRYST 41 209 78
HETEROGENEITY OF CHAIN LENGTHS, A FACTOR IN
LYOTROPIC POLYMORPHISM
- 132 CHIDICHI.G LELJ F BARILI PL VERACINI CA
CHEM P LETT 55 519 78
RZ STRUCTURE OF 1,2,5-SELENADIAZOLE PARTIALLY
ORIENTED IN ORDERED MESOPHASES AS DETERMINED BY
PMR SPECTRA INCLUDING C-13 AND SE-77 SATELLITES
- 133 CHIGRINO.VG PIKIN SA
KRISTALLOGR 23 333 78
(RS) ELECTROHYDRODYNAMIC EFFECT IN LIQUID-CRYSTALS
IN AN ALTERNATING ELECTRIC FIELD
- 134 CHILAYA GS ARONISHI.SN VINOKUR KD IVCHENKO SP
BRODZELI MI
ACT PHY P A 54 655+ 78
(RS) INFLUENCE OF THE SURFACE BOUNDARY-CONDITIONS
ON THE CHOLESTERIC-NEMATIC TRANSITION (R,SUM)
- 135 CHIRKOV VN ALIYEV DF ZEINALLY AK
KRISTALLOGR 23 149 78
(RS) SOME CHARACTERISTICS OF MEMORY EFFECT IN
NEMATIC-CHOLESTEROL MIXTURES
- 136 CHMIELEW.A VANHOOK WA
MOLEC CRYST 48 27 78
ISOTOPE EFFECTS IN LIQUID-CRYSTAL SYSTEMS .1.
PHASE RELATIONSHIPS IN DODECYLAMINE-H₂O,
DODECYLAMINE-D₂O SYSTEMS

- 137 CHO MH CHO CYL CHO C CHO A
CHO L
FED PROC 37 398 78
LIQUID-CRYSTAL THERMOGRAPHY TO SHOW 2 WAY NERVE
REFLEX PATHWAYS BETWEEN CORRESPONDING POINTS OF
BODY AND EAR
- 138 CHU WH JACOBS JT
IBM J RES 22 40 78
LIGHT-SCATTERING STUDY OF STRUCTURES IN A SMECTIC
LIQUID-CRYSTAL
- 139 CHURYUSO.TG SOKOLOVA EP BALAKINA MM BELOUSOV VP
ZH FIZ KHIM 52 1757 78
(RS) THERMODYNAMIC PROPERTIES OF SOLUTIONS OF
NEMATIC LIQUID-CRYSTALS .1. ENTHALPY OF MIXING IN
SYSTEMS OF 4-METHOXYBENZYLIDENE-4'-BUTYLANILINE-
HEPTANE AND 4-ETHOXYBENZYLIDENE-4'-BUTYLANILINE-
HEPTANE
- 140 CHUVYROV AN LACHINOV AN
ZH EKSP TEO 74 1431 78
(RS) INVESTIGATION OF NATURE OF HOMEOTROPIC
ORIENTATION OF NEMATIC LIQUID-CRYSTAL MOLECULES -
FEASIBILITY OF APPLICATION IN MODULATION
SPECTROSCOPY
- 141 CHUVYROV AN
KRISTALLOGR 23 999+ 78
(RS) DIFFRACTION OF LIGHT BY 3-DIMENSIONAL DOMAIN-
STRUCTURES OF NEMATIC LIQUID-CRYSTALS
- 142 CHWASTIA.S LEWIS IC
CARBON 16 156 78
SOLUBILITY OF MESOPHASE PITCH
- 143 CLADIS PE
B AM PHYS S 23 265 78
RE-ENTRANT NEMATIC-SMECTIC-A TRANSITION
- 144 CLADIS PE BOGARDUS RK AADSEN D
PHYS REV A 18 2292 78
HIGH-PRESSURE INVESTIGATION OF REENTRANT NEMATIC
BILAYER SMECTIC-A TRANSITION
- 145 CLARK MG LESLIE FM
P ROY SOC A 361 463 78
CALCULATION OF ORIENTATIONAL RELAXATION IN NEMATIC
LIQUID-CRYSTALS

- 146 CLARK NA
PHYS REV L 40 1663 78
OBSERVATION OF EXTENDED BOUNDARY-LAYERS IN
PERMEATIVE FLOW OF A SMECTIC-A LIQUID-CRYSTAL
AROUND AN OBSTACLE
- 147 CLARK NA
B AM PHYS S 23 353 78
UNDULATION INSTABILITY IN A FERROELECTRIC SMECTIC-
C LIQUID-CRYSTAL
- 148 CLOUGH SB BLUMSTEI.A DEVRIES A
ACS SYMP S 1978 1 78
X-RAY-DIFFRACTION FROM POLYMERS WITH MESOMORPHIC
ORDER
- 149 COATES D GRAY GW
MOLEC CRYST 41 119 78
SYNTHESIS AND LIQUID-CRYSTAL PROPERTIES OF SOME 4-
N-ALKYLPHENYL 2'-CHLORO-4'-(6-N-ALKYL-2-
NAPHTHOYLOXY)BENZOATES
- 150 COATES D GRAY GW
MOLEC CRYST 41 197 78
LIQUID-CRYSTAL PROPERTIES OF SOME AROMATIC ESTERS
DERIVED FROM NAPHTHALENE
- 151 COATES D CROSSLAN.WA MORRISSY JH NEEDHAM B
ANN PHYSIQ 3 325 78
ELECTRICALLY INDUCED SCATTERING TEXTURES IN
SMECTIC-A PHASES AND THEIR ELECTRICAL REVERSAL
- 152 COATES D CROSSLAN.WA MORRISSY JH NEEDHAM B
J PHYS D 11 2025 78
ELECTRICALLY INDUCED SCATTERING TEXTURES IN
SMECTIC-A PHASES AND THEIR ELECTRICAL REVERSAL
- 153 COATES D
MOLEC CRYST 49 83 78
SMECTIC-A PHASE OF POSITIVE AND NEGATIVE
DIELECTRIC ANISOTROPY
- 154 COGNARD J GANGUILL.C
MOLEC CRYST 49 33 78
GLASSY TRANSITION IN LIQUID-CRYSTAL EUTECTIC
MIXTURES
- 155 COGNE A ROBERT JE WIESENFE.L
CHEM P LETT 57 627 78
N-15 AND P-31 MAGNETIC-RESONANCE SPECTRA OF
P(N(CH₃)₂)₃ IN LIQUID-CRYSTAL - GEOMETRY AND
PHOSPHORUS CHEMICAL-SHIFT ANISOTROPY

- 156 COLE HS AFTERGUT S
J CHEM PHYS 68 896 78
ABSORPTION AND PITCH RELATIONSHIPS IN DICHOIC
GUEST-HOST LIQUID-CRYSTAL SYSTEMS
- 157 COLES HJ
MOLEC CRYST 41 281 78
GUEST-HOST INTERACTION IN LIQUID-CRYSTALS .1. NEW
FAST DICHOIC SHUTTER
- 158 COLES HJ
MOLEC CRYST 49 13 78
GUEST-HOST INTERACTION IN LIQUID-CRYSTALS .2. NEW
FAST FLUORESCENT SHUTTER
- 159 COLLETT GW RAND B
FUEL 57 162 78
RHEOLOGICAL INVESTIGATION OF COAL-TAR PITCH DURING
ITS TRANSFORMATION TO MESOPHASE
- 160 COLLETT GW RAND B
CARBON 16 477 78
THIXOTROPIC CHANGES OCCURING ON REHEATING A COAL-
TAR PITCH CONTAINING MESOPHASE
- 161 COLLINGS PJ MCCOLL JR
J CHEM PHYS 69 3371 78
NUCLEAR MAGNETIC-RESONANCE SPECTROSCOPY IN
CHOLESTERIC LIQUID-CRYSTALS .2. BLUE PHASE
- 162 COLLINGS PJ MCCOLL JR
SOL ST COMM 28 997 78
COMPARISON OF ORIENTATIONAL ORDER MEASUREMENTS IN
CHOLESTERIC AND NEMATIC LIQUID-CRYSTALS
- 163 CONRAD HM STILLER HH FRISCHKO.CG RICHARDS.RM
SOL ST COMM 26 801 78
DYNAMIC CRITICAL SCATTERING NEAR SMECTIC-A-NEMATIC
PHASE-TRANSITION IN CBOOA
- 164 CONRAD HM STILLER HH
ANN PHYSIQ 3 359 78
CRITICAL NEUTRON-SCATTERING AT NEMATIC-SMECTIC-A
PHASE-TRANSITION IN CBOOA
- 165 COTTER MA WACKER DC
PHYS REV A 18 2669 78
VANDERWAALS THEORY OF NEMATOGENTIC SOLUTIONS .1.
DERIVATION OF THE GENERAL EQUATIONS

- 166 COTTER MA WACKER DC
PHYS REV A 18 2676 78
VANDERWAALS THEORY OF NEMATOGENIC SOLUTIONS .2.
APPLICATION TO BINARY-SOLUTIONS WITH SPHERICAL
SOLUTES AND RODLIKE SOLVENTS
- 167 COX RW JOHNSON JF
IBM J RES 22 51 78
PHASE-EQUILIBRIA IN LIQUID-CRYSTAL MIXTURES
- 168 CSER F NYITRAI K HARDY G
ACS SYMP S 1978 95 78
POLYMERIZATION IN LIQUID-CRYSTALLINE STATE -
MONOMER-POLYMER INTERACTIONS
- 169 CUCULESC.I MOTOC C
STU CER FIZ 30 3 78
(RM) INFLUENCE OF EXTERNAL FIELDS ON CHOLESTERIC
LIQUID-CRYSTAL MIXTURES WITH POSITIVE DIELECTRIC
ANISOTROPY
- 170 CVIKL B
PHYS ST S-B 88 25 78
COHERENT NEUTRON-DIFFRACTION IN NEMATIC LIQUID-
CRYSTALS
- 171 DABROWSK.R BARAN JW KEDZIERS.J STOLARZ Z
RASZEWSK.Z
ACT CRYST A 34 S190 78
LIQUID-CRYSTAL PROPERTIES UNSYMMETRICAL 4,4'-
DIALKYLAZOBENZENES AND 4,4'-DIALKYLAZOXYBENZENES
- 172 DANIEL MF LEADBETT.AJ MEADS RE PARKER WG
J CHEM S F2 74 456 78
STRUCTURE OF FERROCENE CARBOXALDEHYDE MESOPHASE BY
X-RAY-DIFFRACTION AND MOSSBAUER-SPECTROSCOPY
BULGARIA
- 173 DAVE JS PATEL NR PRAJAPAT.AP
CURRENT SCI 47 425 78
MESOMORPHIC BEHAVIOR OF SOME SCHIFF-BASE ESTERS
PARA(PARA'-NORMAL-ALKOXYBENZOYLOXY) BENZYLIDENE-
PARA''-PHENETIDINES
- 174 DAVE JS PATEL NR
I J CHEM A 16 893 78
EFFECT OF STRUCTURE ON MESOMORPHISM OF SOME
SCHIFF-BASE ESTERS - PARA-(PARA'-NORMAL-
ALKOXYBENZOYLOXY)-BENZYLIDENE-PARA''-ETHYLANILINES

- 175 DELAYE M
ANN PHYSIQ 3 387 78
RAYLEIGH-SCATTERING NEAR A 2ND-ORDER SMECTIC-A TO
SMECTIC-C TRANSITION
- 176 DEMICHEL.F REFIOREN.S TARTAGLI.A
NUOV CIM B 43 366 78
QUASI-ELASTIC AND INELASTIC 10-A NEUTRON
SCATTERING BY NEMATIC MBBA
- 177 DENIS R
ULTRASONICS 16 37 78
CHARACTERIZATION OF ULTRASONIC TRANSDUCERS USING
CHOLESTERIC LIQUID-CRYSTALS
- 178 DERZHANS.AI PETROV AG MITOV MD
J PHYSIQUE 39 273 78
ONE-DIMENSIONAL DIELECTRIC-FLEXOELECTRIC
DEFORMATIONS IN NEMATIC LAYERS
- 179 DERZHANS.AI NAIDENOV.SB TANEVA B
DAN BOLG 31 517 78
ORIENTING ACTION OF DIFFERENT SUBSTRATES ON
CHOLESTERIC LIQUID-CRYSTAL LAYERS
- 180 DERZHANS.AI ZHELIASK.AG NIKOLOV SM
DAN BOLG 31 957 78
MOLECULAR-MOTION IN SOLID-PHASE OF SOME
NEMATOTGENIC SUBSTANCES
- 181 DEUTSCHE.HJ LAASER B DOLLING W SCHUBERT H
J PRAK CHEM 320 191 78
(GE) LIQUID-CRYSTALLINE PHENYL-TRANS-4-N-
ALKYLCYCLOHEXANECARBOXYLATES
- 182 DEWEY AG JACOBS JT HUTH BG
P SID 19 1 78
LASER-ADDRESSED LIQUID-CRYSTAL PROJECTION DISPLAYS
- 183 DIANOUX AJ VOLINO F
ANN PHYSIQ 3 191 78
ORIENTATIONAL ORDER IN BIAXIAL SMECTIC TBBA
- 184 DIEHL P KUNWAR AC BOSIGER H
J ORGMET CH 145 303 78
NMR-STUDIES ON DIMETHYL SELENIDE AND DIMETHYL
TELLURIDE ORIENTED IN NEMATIC PHASE OF A LIQUID-
CRYSTAL
- 185 DIEHL P KUNWAR AC
OMR-ORG MAG 11 47 78
PROTON SPECTRUM INCLUDING C-13-SATELLITES OF PI-
BENZENECHROMIUM TRICARBONYL IN A NEMATIC SOLVENT

- 186 DIEHL P KUNWAR AC ZIMMERMAN H
J MAGN RES 30 621 78
H-1, SN-115, SN-117 AND SN-119 NMR-STUDIES ON
TETRAMETHYLITIN IN NEMATIC AND ISOTROPIC PHASES
- 187 DIELE S
ACT CRYST A 34 S191 78
THERMODYNAMIC SYSTEM OF LIQUID-CRYSTALS AND ITS
STRUCTURAL BACKGROUND
- 188 DION JL
CR AC SCI B 286 383 78
(FR) ULTRASONIC ANISOTROPY AND MOLECULAR-
REORIENTATION IN A NEMATIC LIQUID-CRYSTAL - NEW
EVIDENCE
- 189 DOLGANOV VK BOLOTIN BM
MOLEC CRYST 47 179 78
DETERMINATION OF MOLECULAR ARRANGEMENT IN LIQUID-
CRYSTALS BY POLARIZATION OF FLUORESCENCE
- 190 DONG RY TOMCHUK E
PHYS REV A 17 2062 78
NUCLEAR MAGNETIC-RESONANCE STUDY OF SOFT-MODE
DYNAMICS IN NEMATIC PHASE OF PARA-AZOXYANISOLE
- 191 DONG RY LEWIS J TOMCHUK E BOCK E
J CHEM PHYS 69 5314 78
DEUTERIUM NMR-STUDY OF MOLECULAR ORDER AND
REORIENTATION IN NEMATIC PHASE OF P-METHOXY-D3-
BENZYLIDENE-D1-P-N-BUTYL-D9-ANILINE
- 192 DOUCET J LEVELUT AM LAMBERT M
ANN PHYSIQ 3 157 78
(FR) STRUCTURE AND DYNAMICS OF ORDERED SMECTIC
PHASES
- 193 DOUCET J
ACT CRYST A 34 S191 78
STRUCTURE AND DYNAMICS OF THE ORDERED SMECTIC
PHASES
- 194 DOUY A GALLOT B
ACS SYMP S 1978 165 78
MESOMORPHIC ORDER IN BLOCK COPOLYMERS FROM ALPHA-
AMINO-ACIDS AND OTHER MONOMERS AND IN COPOLYMERS
FROM ALPHA-AMINO-ACIDS
- 195 DOWELL F MARTIRE DE
J CHEM PHYS 68 1088 78
LATTICE MODEL STUDIES OF EFFECT OF CHAIN
FLEXIBILITY ON NEMATIC-ISOTROPIC TRANSITION .1.
RIGID CORES HAVING COMPLETELY FLEXIBLE TAILS

- 196 DOWELL F MARTIRE DE
J CHEM PHYS 68 1094 78
LATTICE MODEL STUDIES OF EFFECT OF CHAIN
FLEXIBILITY ON NEMATIC-ISOTROPIC TRANSITION .2.
RIGID CORES HAVING SEMI-FLEXIBLE TAILS
- 197 DOWELL F MARTIRE DE
J CHEM PHYS 69 2332 78
LATTICE MODEL STUDIES OF EFFECT OF CHAIN
FLEXIBILITY ON NEMATIC-ISOTROPIC TRANSITION .3.
COMPLETELY FLEXIBLE CHAIN SOLUTES IN RIGID ROD
SOLVENTS
- 198 DOWELL F
J CHEM PHYS 69 4012 78
LATTICE MODEL STUDIES OF EFFECT OF CHAIN
FLEXIBILITY ON NEMATIC-ISOTROPIC TRANSITION .4.
SEMIFLEXIBLE CHAIN SOLUTES IN SOLVENT MOLECULES
COMPOSED OF RIGID CORES AND SEMIFLEXIBLE TAILS
- 199 DOZOV IN PENCHEV II
ACT PHY P A 54 649 78
TEMPERATURE-DEPENDENCE OF THE ORDERING OF SOME
NEMATIC LIQUID-CRYSTALS
- 200 DUBAULT A CASAGRAN.C VEYSSIE M
MOLEC CRYST 41 239 78
SOLUBILIZATION OF A POLYMER-CHAIN IN A NEMATIC
PHASE - EFFECT ON TWIST VISCOSITY
- 201 DUBOIS JC LAVENU JC ZANN A.
ACS SYMP S 1978 86 78
NEW SERIES OF MESOMORPHIC MONOMERS - BULK
POLYMERIZATION OF 4-CYANO-4'-BIPHENYL (N + 2)-
ALKENOATES
- 202 DUBOIS JC
ANN PHYSIQ 3 131 78
(FR) NEW MESOMORPHIC MATERIALS AND APPLICATIONS
- 203 DUBOIS JC BEGUIN A
MOLEC CRYST 47 193 78
INFLUENCE OF LATERAL SUBSTITUTION ON MESOMORPHIC
PROPERTIES OF PHENYL 4-BENZOYLOXYBENZOATE
DERIVATIVES
- 204 DUBOISVI.E ROTHEN F
J PHYSIQUE 39 1039 78
INSTABILITY OF A HOMEOTROPIC NEMATIC SUBJECTED TO
AN ELLIPTICAL SHEAR - THEORY

- 100 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 205 DUBOISVI.E MANNEVIL.P
J FLUID MEC 89 273 78
STABILITY OF COUETTE-FLOW IN NEMATIC LIQUID-CRYSTALS
- 206 DUNMUR DA MANTERFI.MR MILLER WH DUNLEAVY JK
MOLEC CRYST 45 127 78
DIELECTRIC AND OPTICAL-PROPERTIES OF HOMOLOGOUS
SERIES OF CYANO-ALKYL-BIPHENYL LIQUID-CRYSTALS
- 207 DUTCHAK YI MIKITYUK ZM FEDYSHIN MI
KRISTALLOGR 23 995 78
(RS) INVESTIGATION OF LIQUID-CRYSTALS OF
CHOLESTERIC TYPE BY SMALL-ANGLE X-RAY-SCATTERING
METHOD
- 208 EASTMAN MP BRUNO GV GUTIERRE.AR MCGUYER CA
POLNASZE.CF
CHEM P LETT 56 377 78
EPR STUDIES OF ION-PAIRING IN NEMATIC BUTYL P-(P-
ETHOXYPHENOXY CARBONYL)-PHENYL CARBONATE
- 209 EIDENSCH.R ERDMANN D KRAUSE J POHL L
ANGEW CHEM 17 133 78
SUBSTITUTED BICYCLOHEXYLS - NEW CLASS OF NEMATIC
LIQUID-CRYSTALS
- 210 EMSLEY JW LUCKHURS.GR GRAY GW MOSLEY A
MOLEC PHYS 35 1499 78
DETERMINATION OF ORDERING MATRIX FOR 4-CYANO-4'-
PENTYL-D11-2',3',5',6'-D4-BIPHENYL FROM PROTON
DIPOLAR COUPLINGS
- 211 EMSLEY JW EXON CM SLACK SA GIROUD AM
J CHEM S P2 1978 928 78
CONFORMATION OF 2,6-DICHLOROANISOLE AND 3,5-
DICHLOROANISOLE FROM H-1 AND H-2 NUCLEAR MAGNETIC-
RESONANCE STUDIES ON LIQUID-CRYSTALLINE SOLUTIONS
- 212 EMSLEY JW EVANS J
J CHEM S DA 1978 1355 78
STRUCTURE OF AC-DICHLORO-B-ETHYLENE-D-
PYRIDINEPLATINUM(II) FROM H-1 AND H-2 NUCLEAR
MAGNETIC-RESONANCE SPECTRA OF LIQUID-CRYSTAL
SOLUTIONS
- 213 ENGELEN B HEPPKE G HOPF R SCHNEIDE.F
ANN PHYSIQ 3 403 78
INDUCED SMECTIC PHASES

- 214 ENGELN B SCHNEIDE.F
Z NATURFO A 33 1077 78
(GE) PHASE-DIAGRAMS AND X-RAY STUDIES OF INDUCED
SMECTIC PHASES OF LIQUID-CRYSTAL MIXTURES
- 215 ERICKSEN JL
J RHEOL 22 295 78
FLOW ORIENTATION IN NEMATIC LIQUID-CRYSTALS
- 216 ERINGEN AC
RHEOL ACT 17 105 78
COMMENTS ON STRESS TENSOR IN NEMATIC LIQUID-
CRYSTALS
- 217 EVANS GJ REID CJ EVANS MW
J CHEM S F2 74 343 78
FAR INFRARED-ABSORPTION OF CH₂CL₂ IN ISOTROPIC AND
CHOLESTERIC SOLVENTS
- 218 EVANS GJ EVANS MW
J CHEM S CH 1978 267 78
FAR INFRARED-SPECTRA OF NEMATIC 4-CYANO-4'-NORMAL-
HEPTYLBIPHENYL ALIGNE WITH ELECTRIC-FIELDS
- 219 EVANS GJ EVANS MW
INFRAR PHYS 18 863 78
FAR-INFRARED SPECTROSCOPY OF LIQUID-CRYSTALS
- 220 FAETTI S FRONZONI L
SOL ST COMM 25 1087 78
MOLECULAR-ORIENTATION IN NEMATIC LIQUID-CRYSTAL
FILMS WITH 2 FREE SURFACES
- 221 FAHEY PF WEBB WW
BIOCHEM 17 3046 78
LATERAL DIFFUSION IN PHOSPHOLIPID BILAYER
MEMBRANES AND MULTILAMELLAR LIQUID-CRYSTALS
- 222 FANSLOW GE STEPHENS.DT
J MICROW P 13 219 78
RADIATION RESPONSE CHARACTERISTICS OF LIQUID-
CRYSTAL RADIATION MONITOR
- 223 FEDOSEEV SD BUKHAROV BN
J APPL CHEM 51 391 78
KINETICS OF FORMATION OF MESOPHASES ON THERMAL-
DEGRADATION OF COMPONENTS OF PYROLYZED PETROLEUM
RESINS
- 224 FELSTEIN.J CABIB D FRIEDMAN Z
PHYS REV A 18 1261 78
MOLECULAR ORDERING IN SMECTIC-E PHASE IN
MOLECULAR-FIELD APPROXIMATION

- 102 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 225 FERGASON JL
OPT SPECTRA 12 54 78
LIQUID-CRYSTALS - BIG CASE FOR DISPLAY .1.
- 226 FERGASON JL
OPT SPECTRA 12 42+ 78
LIQUID-CRYSTALS - BIG CASE FOR DISPLAY .2.
- 227 FERNANDE.JR VENUGOPA.S
CHEM P LETT 53 407 78
DIFFERENTIAL DICHROIC SPECTROSCOPY IN LIQUID-
CRYSTALS USING UNPOLARIZED RADIATION
- 228 FILAS RW
J PHYSIQUE 39 49 78
TACTOIDAL SHELL DEFECTS IN POLY (GAMMA-BENZYL-D-
GLUTAMATE) LIQUID-CRYSTALS
- 229 FILAS RW
ACS SYMP S 1978 157 78
MAGNETIC REORIENTATION AND COUNTERROTATION IN
POLY(GAMMA-BENZYL GLUTAMATE) LIQUID-CRYSTALS
- 230 FILEV VM
JETP LETTER 27 591 78
OPTICAL METHOD OF DETERMINING CRITICAL EXPONENTS
OF PHASE-TRANSITION FROM AN ISOTROPIC LIQUID TO A
NEMATIC CRYSTAL
- 231 FILIPPIN.JC POGGI Y
PHYS LETT A 65 30 78
TEMPERATURE-DEPENDENCE OF KERR EFFECT REPOSE-
TIME OF NEMATOGENIC LIQUIDS
- 232 FILIPPIN.JC POGGI Y
ACT PHY P A 54 659 78
PHYSICAL PROPERTIES OF NEMATOGENIC LIQUIDS -
APPLICATION TO KERR CELLS
- 233 FINKELMA.H RINGSDOR.H WENDORFF JH
MAKROM CHEM 179 273 78
MODEL CONSIDERATIONS AND EXAMPLES OF ENANTIOTROPIC
LIQUID-CRYSTALLINE POLYMERS - POLYREACTIONS IN
ORDERED SYSTEMS .14.
- 234 FINKELMA.H RINGSDOR.H SIOL W WENDORFF JH
MAKROM CHEM 179 829 78
SYNTHESIS OF CHOLESTERIC LIQUID-CRYSTALLINE
POLYMERS - POLYREACTIONS IN ORDERED SYSTEMS .15.

- 235 FINKELMA.H HAPP M PORTUGAL.M RINGSDOR.H
SIOL W WENDORFF JH
CHEM ZEITUN 102 226 78
(GE) SYNTHESIS AND STRUCTURE OF LIQUID-CRYSTALLINE
POLYMERS
- 236 FINKELMA.H RINGSDOR.H SIOL W WENDORFF JH
ACS SYMP S 1978 22 78
ENANTIOTROPIC (LIQUID-CRYSTALLINE) POLYMERS -
SYNTHESIS AND MODELS
- 237 FINKELMA.H PORTUGAL.M RINGSDOR.H
ABS PAP ACS 176 50 78
INFLUENCE OF SUBSTITUENTS ON TO LIQUID-CRYSTALLINE
POLYMER PHASES
- 238 FINKELMA.H HAPP M PORTUGAL.M RINGSDOR.H
MAKROM CHEM 179 2541 78
LIQUID-CRYSTALLINE POLYMERS WITH BIPHENYL-MOETIES
AS MESOGENIC GROUP
- 239 FINKELMA.H KOLDEHOF.J RINGSDOR.H
ANGEW CHEM 17 935 78
SYNTHESIS AND CHARACTERIZATION OF LIQUID-
CRYSTALLINE POLYMERS WITH CHOLESTERIC PHASE
(TECHNICAL NOTE)
- 240 FINKELMA.H STEGEMEY.H
BER BUN GES 82 1302 78
TEMPERATURE-DEPENDENCE OF THE INTRINSIC PITCH IN
INDUCED CHOLESTERIC SYSTEMS
- 241 FLANDERS DC SHAVER DC SMITH HI
APPL PHYS L 32 597 78
ALIGNMENT OF LIQUID-CRYSTALS USING SUBMICROMETER
PERIODICITY GRATINGS
- 242 FRACKOWI.D
ACT PHY P A 54 757 78
POLARIZATION OF BACTERIOCHLOROPHYLL ABSORPTION IN
LIQUID-CRYSTAL CELL
- 243 FRAY AF HILSUM C JONES D
INFRAR PHYS 18 35 78
SOME PROPERTIES OF LIQUID-CRYSTALS AS INFRARED
MODULATORS
- 244 FREIDZON YS SHIBAEV VP AGRANOVI.IM PAUTOV VD
ANUFRIEV.EV PLATE NA
VYSO SOED A 20 2601 78
(RS) STRUCTURING IN CHOLESTEROL-CONTAINING LIQUID-
CRYSTALLINE POLYMERS

- 104 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 245 FUJIWARA FY REEVES LW
CAN J CHEM 56 2178 78
LIQUID-CRYSTAL GLASS INTERFACE EFFECTS ON
ORIENTATION OF LYOTROPIC LIQUID-CRYSTALS IN
MAGNETIC-FIELDS
- 246 FUNCK T EGGERS F
BER BUN GES 82 927 78
THERMOTROPIC PHASE-TRANSITION AND ULTRASONIC-
ABSORPTION IN LECITHIN BILAYER VESICLE
PREPARATIONS
- 247 FYFE CA LYERLA JR YANNONI CS
J MAGN RES 31 315 78
C-13 SPECTRA OF LIQUID-CRYSTALS AND NONRIGID
SOLIDS USING A HIGH-RESOLUTION SPECTROMETER
- 248 GALERNE Y
ANN PHYSIQ 3 399 78
SIMPLE MEAN FIELD MODEL AT A SMECTIC-A PHASE TO
-C PHASE TRANSITION
- 249 GALERNE Y
J PHYSIQUE 39 1311 78
REFRACTIVE-INDEX MEASUREMENTS AT A 2ND ORDER
SMECTIC A-PHASE TO C-PHASE TRANSITION
- 250 GANNON MGJ FABER TE
PHIL MAG A 37 117 78
SURFACE-TENSION OF NEMATIC LIQUID-CRYSTALS
- 251 GARA AD
APPL OPTICS 17 3696 78
PHASE RESPONSE OF A LIQUID-CRYSTAL IMAGE
TRANSDUCER
- 252 GAROFF S BARAKAT R MEYER RB
B AM PHYS S 23 353 78
KINEMATIC AND DYNAMIC LIGHT-SCATTERING FROM
PERIODIC STRUCTURE OF A CHIRAL SMECTIC-C LIQUID-
CRYSTAL
- 253 GAROFF S MEYER RB BARAKAT R
J OPT SOC 68 1217 78
KINEMATIC AND DYNAMIC LIGHT-SCATTERING FROM
PERIODIC STRUCTURE OF A CHIRAL SMECTIC-C LIQUID-
CRYSTAL
- 254 GAROFF S MEYER RB
PHYS REV A 18 2739 78
REPLY TO 'BEHAVIOR OF ELECTRIC SUSCEPTIBILITY AND
ELECTRO-CLINIC COEFFICIENT NEAR THE CHIRAL
SMECTIC-A-C-STAR TRANSITION'

- 255 GAUSS W KRONENBI.J LUTZ O NOLLE A
SIEGLOCH GE
Z NATURFO A 33 105 78
QUADRUPOLE SPLITTING OF ALKALI NMR SIGNALS IN
DECYLAMMONIUMCHLORIDE MESOPHASES
- 256 GEVORKYA.EV
ZH FIZ KHIM 52 1056 78
(RS) ORIENTATIONAL ORDER IN SYSTEMS WITH ONE-
DIMENSIONAL PERIODICITY (SMECTIC LIQUID-CRYSTALS)
- 257 GIROUD AM
ANN PHYSIQ 3 147 78
MESOMORPHIC TRANSITION-METALS COMPLEXES
- 258 GOODBY JW GRAY GW MOSLEY A
MOLEC CRYST 41 183 78
SMECTIC-F PHASES IN TEREPHTHALYLIDENE-BIS-4-N-
ALKYLANILINES
- 259 GOODBY JW GRAY GW
MOLEC CRYST 48 127 78
NATURAL PROGRESSION FROM SMECTIC-C TO TILTED
SMECTIC-B PROPERTIES IN THE N-ALKYL 4'-N-
ALKOXYBIPHENYL-4-CARBOXYLATES
- 260 GORODETS.EE ZAPRUDSK.VM
ZH EKSP TEO 74 202 78
(RS) POSSIBILITY OF A TRANSITION OF 2ND KIND ON
LIQUID-CRYSTAL ORDERING
- 261 GOUNDER RN
ACS SYMP S 1978 108 78
APPLICATIONS OF THERMOTROPIC MESOPHASE REACTIONS
- 262 GOVORKOV VG INDENBOM VL CHISTYAK.IG SIZOVA NL
GORINA II PETUKHOV BV
ACT CRYST A 34 S273 78
(RS) EXPERIMENT ON THE APPLICATION OF LIQUID-
CRYSTALS FOR THE STUDIES OF THERMAL FIELDS,
APPEARING AT PLASTIC-DEFORMATION OF CRYSTALS
- 263 GRACHEVA NP ZHDANOV SI
SOV ELEC 14 590 78
LIQUID-CRYSTAL ELECTROCHEMISTRY - OXIDATION OF P,
P'-PHENYL BENZOATES AT THE ROTATING PLATINUM-
ELECTRODE
- 264 GRANT B
MOLEC CRYST 48 175 78
DIACETYLENIC LIQUID-CRYSTALS - SYNTHESIS AND
PRELIMINARY CHARACTERIZATION OF 4,4'-DIALKYL AND
4,4'-DIALKOXY DERIVATIVES OF DIPHENYLDIACETYLENE

- 106 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 265 GRAY GW GOODBY JW
ANN PHYSIQ 3 123 78
NEW DATA ON SMECTIC MATERIALS
- 266 GRAY GW MCDONNEL.DG
MOLEC CRYST 48 37 78
SOME CHOLESTERIC DERIVATIVES OF S-(+)-4-(2'-
METHYLBUTYL) PHENOL
- 267 GRIBANOV AV KOLTZOV AI
VYSO SOED B 20 691 78
(RS) PROTONATION OF AROMATIC POLYAMIDES IN LIQUID-
CRYSTALLINE SULFURIC SOLUTIONS
- 268 GRIFFIN AC WERTZ DL
MOLEC CRYST 44 267 78
EFFECT OF MOLECULAR-STRUCTURE ON MESOMORPHISM .5.
COMPARISON OF METHYL AND TRIFLUOROMETHYL AS
LATERAL SUBSTITUENTS IN SOLID AND NEMATIC PHASES
- 269 GRIFFIN AC FISHER RF HAVENS SJ
J AM CHEM S 100 6329 78
EFFECT OF MOLECULAR-STRUCTURE ON MESOMORPHISM .7.
ENHANCEMENT OF SMECTIC-ISOTROPIC TRANSITION-
TEMPERATURES IN BINARY-MIXTURES OF A NEW LIQUID-
CRYSTAL SERIES - 4-NITROPHENYL-4'-N-
ALKOXYBENZOATES
- 270 GROZHIK VA ADOMENAS PV
OPT SPECTRO 44 1023 78
(RS) OPTICAL ANISOTROPY OF LIQUID-CRYSTALS OF
SERIES OF 4-CYAN-PHENYL ESTERS OF 4'-N-
ALKOXYCINNAMIC ACIDS
- 271 GROZHIK VA ADOMENAS PV
KRISTALLOGR 23 1087 78
(RS) BIREFRINGENCE ON LIQUID-CRYSTAL 4'-
CYANPHENYL-ESTERS OF 4'-NORMAL-ALKYLCINNAMIC ACIDS
- 272 GUILLON D CLADIS PE STAMATOF.J
B AM PHYS S 23 353 78
X-RAY INVESTIGATION OF RE-ENTRANT NEMATIC PHASE
- 273 GUILLON D CLADIS PE STAMATOF.J
PHYS REV L 41 1598 78
X-RAY STUDY AND MICROSCOPIE STUDY OF REENTRANT
NEMATIC PHASE
- 274 GUILLON D SKOULIOS A
MOLEC CRYST 49 119 78
(FR) THERMOTROPIC SMECTIC-B MESOPHASE OF POLY-
SCHIFF BASE

- 275 GUPTA GK AGARWAL VK BAHADUR B
NATL ACAD S 1 302 78
DIELECTRIC BEHAVIOR OF LIQUID-CRYSTAL CHOLESTERYL
LINOLEATE
- 276 HALLE GP
Z CHEM 18 39 78
(GE) 2ND CONFERENCE OF SOCIALIST COUNTRIES ON
LIQUID-CRYSTALS, SEPTEMBER 27-30, SLANCHEV-BRJEG,
- 277 HARDOUIN F SIGAUD G ACHARD MF GASPAROU.H
ANN PHYSIQ 3 381 78
BINARY DIAGRAMS OF MESOMORPHOUS COMPOUNDS
EXHIBITING SINGULAR POINTS
- 278 HARENG M LEBERRE S
ANN PHYSIQ 3 317 78
(FR) PRESENT RESEARCH ON APPLICATIONS OF LIQUID-
CRYSTALS
- 279 HATTA A NOHARA H SUETAKA W
B CHEM S J 51 967 78
APPLICATION OF INFRARED ATR SPECTROSCOPY TO
LIQUID-CRYSTALS .2. SURFACE-INDUCED ORIENTATION OF
NEMATIC MBBA AND REORIENTATION IN ELECTRIC-FIELD
- 280 HAYASHI H
J ELEC MICR 27 71 78
HIGH-VOLTAGE ELECTRON-MICROSCOPIC OBSERVATION OF
PROTEIN LIQUID-CRYSTAL, NEWT YOLK GRANULES
- 281 HAYES CF
J ACOUST SO 64 S61 78
ULTRASONIC EXCITATION OF A THIN NEMATIC DISK
- 282 HEINZE E GRANDE S LOSCHE A
ANN PHYSIK 35 145 78
(GE) INVESTIGATION OF PROTON-SPIN-LATTICE
RELAXATION IN SMECTIC-C AND NEMATIC PHASES OF
LONG-CHAIN HOMOLOGS OF PAA
- 283 HEINZE E GRANDE S
CHEM P LETT 58 87 78
NUCLEAR-SPIN-LATTICE RELAXATION AND MOLECULAR
MOTIONS IN THERMOTROPIC MESOPHASES OF PARA-
ALKOXYBENZYLIDENE-PARA-NORMAL-ALKYLANILINES
- 284 HELFRICH W
J PHYSIQUE 39 1199 78
DEFECT MODEL OF SMECTIC A-NEMATIC PHASE-TRANSITION

- 108 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 285 HEPPKE G RICHTER EJ
Z NATURFO A 33 185 78
(GE) INDUCTION OF SMECTIC PHASES IN BINARY-
MIXTURES OF NEMATIC LIQUID-CRYSTALS
- 286 HEPPKE G OESTREIC.F
MOLEC CRYST 41 245 78
DETERMINATION OF CHOLESTERIC SCREW SENSE
- 287 HERMAN RM SERINKO RJ WIGGINS TA
J OPT SOC 68 1624 78
NON-LINEAR OPTICAL BIREFRINGENCE GRATINGS IN
NEMATIC LIQUID-CRYSTALS AT FREEDERICKSZ
TRANSITIONS
- 288 HERVET H URBACH W RONDELEZ F
J CHEM PHYS 68 2725 78
MASS DIFFUSION MEASUREMENTS IN LIQUID-CRYSTALS BY
A NOVEL OPTICAL METHOD
- 289 HERVET H RONDELEZ F URBACH W
ANN PHYSIQ 3 203 78
EXPERIMENTAL-STUDY OF THERMAL-DIFFUSIVITY IN
NEMATIC AND SMECTIC PHASES
- 290 HILSUM C HOLDEN RJ RAYNES EP
ELECTR LETT 14 430 78
NOVEL METHOD OF TEMPERATURE COMPENSATION FOR
MULTIPLEXED LIQUID-CRYSTAL DISPLAYS
- 291 HILTROP K STEGEMEY.H
MOLEC CRYST 49 61 78
CONTACT ANGLES AND ALIGNMENT OF LIQUID-CRYSTALS ON
LECITHIN MONOLAYERS
- 292 HILTROP K STEGEMEY.H
BER BUN GES 82 884 78
ALIGNMENT OF LIQUID-CRYSTALS BY AMPHIPHILIC
MONOLAYERS
- 293 HO JT LIM KC
B AM PHYS S 23 352 78
HIGH-RESOLUTION BIREFRINGENCE STUDY NEAR A
NEMATIC-SMECTIC-A TRANSITION
- 294 HOFFMANN J KUCZYNSK.W MALECKI J
MOLEC CRYST 44 287 78
DIELECTRIC STUDY OF FERROELECTRIC PROPERTIES IN
CHIRAL SMECTIC-C

- 295 HOFFMANN S WITKOWSK.W
ACS SYMP S 1978 178 78
BIOMESOGENS AND THEIR MODELS - POSSIBILITIES OF
MESOMORPHIC ORDER IN POLYNUCLEOTIDE ANALOGS
- 296 HOLZBACH RT CORBUSIE.C
BIOC BIOP A 528 436 78
LIQUID-CRYSTALS AND CHOLESTEROL NUCLEATION DURING
EQUILIBRATION IN SUPERSATURATED BILE ANALOGS
- 297 HONDA T SASADA T KUROSAWA K
JPN J A PHY 17 1525 78
ELECTROVISCOUS EFFECT IN MBBA LIQUID-CRYSTAL
- 298 HORN RG
J PHYSIQUE 39 105 78
REFRACTIVE-INDEXES AND ORDER PARAMETERS OF 2
LIQUID-CRYSTALS
- 299 HORN RG
J PHYSIQUE 39 167 78
HIGH-PRESSURE MEASUREMENTS OF REFRACTIVE-INDEXES
OF 2 NEMATIC LIQUID-CRYSTALS
- 300 HORN RG KLEMAN M
ANN PHYSIQ 3 229 78
OBSERVATIONS ON SHEAR-INDUCED TEXTURES AND
RHEOLOGY OF A SMECTIC-A PHASE
- 301 HSI S ZIMMERMA.H LUZ Z
J CHEM PHYS 69 4126 78
DEUTERIUM MAGNETIC-RESONANCE OF SOME POLYMORPHIC
LIQUID-CRYSTALS - CONFORMATION OF ALIPHATIC END
CHAINS
- 302 HUANG CT PINDAK RS HO JT
SOL ST COMM 25 1015 78
EFFECT OF IMPURITY ON NEMATIC-SMECTIC-A TRANSITION
- 303 HUEY MW PUFFER HW
P WEST PH S 21 245 78
USE OF CHOLESTEROL ESTERS (LIQUID-CRYSTALS) FOR
DETECTION OF INTERNAL HEMORRHAGE
- 304 HUMPHRIE.RL LUCKHURS.GR
MOLEC PHYS 35 1201 78
SPATIAL DISORDER IN A SMECTIC-A MESOPHASE
- 305 HUTTON H BOCK E TOMCHUK E DONG RY
J CHEM PHYS 68 940 78
HIGH-RESOLUTION C-13 SPIN-LATTICE RELAXATION STUDY
OF NEMATOGEN PARA-METHOXYBENZYLIDENE-PARA-NORMAL-
BUTYLANILINE

- 110 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 306 IIZUKA E
POLYM J 10 235 78
ORIENTATION OF LIQUID-CRYSTALS OF
POLYRIBONUCLEOTIDE COMPLEXES IN A STATIC MAGNETIC-
FIELD
- 307 IIZUKA E
POLYM J 10 293 78
PROPERTIES OF CHOLESTERIC LIQUID-CRYSTALS OF
POLYRIBONUCLEOTIDE COMPLEXES
- 308 ILCHISHI,IP TIKHONOV EA TISHCHEN.VG SHPAK MT
KVAN ELEKTR 5 2637 78
(RS) FREQUENCY TUNING IN A DYE-LASER WITH A BRAGG
MIRROR UTILIZING A CHOLESTERIC LIQUID-CRYSTAL
- 309 IMAMURA T YAMADA Y OI S HONDA H
CARBON 16 481 78
ORIENTATION BEHAVIOR OF CARBONACEOUS MESOPHASE
SPHERULES HAVING A NEW MOLECULAR ARRANGEMENT IN A
MAGNETIC-FIELD
- 310 IMAMURA T NAKAMIZO M HONDA H
CARBON 16 487 78
FORMATION OF CARBONACEOUS MESOPHASE AT LOWER
TEMPERATURE
- 311 ISHII Y UCHIDA T WADA M
IEEE DEVICE 25 323 78
EFFECTS OF DIELECTRIC ANISOTROPY ON DSM-TYPE
DISPLAY DEVICES
- 312 JAHNIG F
ANN PHYSIQ 3 291 78
LONG-RANGE ORDER IN LIPID BILAYERS
- 313 JANIK JA
ACT PHY P A 54 513 78
FAST STOCHASTIC REORIENTATIONS OF LIQUID-CRYSTAL
MOLECULES
- 314 JANOSSY I
ANN PHYSIQ 3 345 78
PRELIMINARY EXPERIMENT ON SHEAR-FLOW OF
CHOLESTERIC
- 315 JANOSSY I BATA L
ACT PHY P A 54 643 78
STUDY OF ELASTIC PROPERTIES NEAR A NEMATIC-
SMECTIC-A TRANSITION

- 316 JASINSKI A MORRIS PG MANSFIEL.P
MOLEC CRYST 45 183 78
F-19 MULTIPULSE NMR-STUDY OF SOME AMPHIPHILIC
LIQUID-CRYSTALS
- 317 JENKINS JT
ANN R FLUID 10 197 78
FLOWS OF NEMATIC LIQUID-CRYSTALS
- 318 JEU WH DE CLAASSEN WA
J CHEM PHYS 68 102 78
PHYSICAL STUDIES OF NEMATIC AZOXYBENZENES .1.
MAGNETIC-SUSCEPTIBILITIES AND ORDER PARAMETER
- 319 JEU WH DE BORDEWIJ.P
J CHEM PHYS 68 109 78
PHYSICAL STUDIES OF NEMATIC AZOXYBENZENES .2.
REFRACTIVE-INDEXES AND INTERNAL FIELD
- 320 JEU WH DE LEENHOUT.F
J PHYSIQUE 39 869 78
PHYSICAL-PROPERTIES OF NEMATIC P,P'-
DIHEPTYLAZOBENZENE
- 321 JEU WH DE
PHYS LETT A 69 122 78
VISCOSITY COEFFICIENTS OF NEMATIC MBBA AND
VALIDITY OF ONSAGER-PARODI RELATION
- 322 JOHNSON DL HAYES CF DEHOFF RJ SCHANTZ CA
PHYS REV B 18 4902 78
SPECIFIC-HEAT NEAR THE NEMATIC-SMECTIC-A
TRANSITION OF OCTYLOXYCYANOBIPHENYL
- 323 JOSEPH BW GARA AD
APPL OPTICS 17 1987 78
RESPONSE-TIME OF A LIQUID-CRYSTAL IMAGE TRANSDUCER
- 324 JOST SR
J APPL PHYS 49 5332 78
NEW LIGHT-MODULATED LIQUID-CRYSTAL LIGHT VALVE
- 325 JOURNEAU.R VIOVY R
PHOTOCHEM P 28 243 78
ORIENTATION OF CHLOROPHYLLS IN LIQUID-CRYSTALS
- 326 KACHINSK.VN IVANOV VA ZISMAN AN STISHOV SM
ZH EKSP TEO 75 545 78
(RS) THERMODYNAMICS OF NEMATIC LIQUID-CRYSTAL -
ISOTROPIC LIQUID-PHASE TRANSITION AT HIGH-
PRESSURES

- 112 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 327 KAMENSKY VG KATS EI
OPT SPEKTRO 45 1106 78
(RS) EFFECT OF SPATIAL-DISPERSION ON OPTICAL-
PROPERTIES OF CHOLESTERIC
- 328 KANEKO E KAWAKAMI H HANMURA H
P SID 19 49 78
LIQUID-CRYSTAL TELEVISION DISPLAY
- 329 KAPUSTIN.OA LUPANOV VN CHILAYA GS
SOV PH AC R 24 76 78
ACOUSTIC STORAGE EFFECT IN LIQUID-CRYSTALS
- 330 KAPUSTIN.OA
SOV PH AC R 24 262 78
2ND SYMPOSIUM OF SOCIALIST NATIONS ON LIQUID-
CRYSTALS (EDITORIAL)
- 331 KATS EI
ZH EKSP TEO 74 3220 78
(RS) OPTICAL-ACTIVITY IN MIXTURES OF CHOLESTERIC
LIQUID-CRYSTALS
- 332 KAVALIUN.DR FRANK SG
J COLL I SC 66 586 78
LIQUID-CRYSTAL STABILIZATION OF MULTIPLE EMULSIONS
- 333 KAWACHI M KOGURE O KATO K
JPN J A PHY 17 391 78
NUCLEATION OF FOCAL-CONIC DOMAINS IN FIELD-INDUCED
NEMATIC TEXTURE OF A CHOLESTERIC LIQUID-CRYSTAL
- 334 KAWACHI M KATO K KOGURE O
JPN J A PHY 17 1245 78
LIGHT-SCATTERING CHARACTERISTICS IN NEMATIC-
CHOLESTERIC MIXTURES WITH POSITIVE DIELECTRIC
ANISOTROPY
- 335 KAWAMURA H ISHIBASH.S INAGAKI Y
DENKI KAG 46 513 78
(JA) ELECTRICAL-CONDUCTION AND ELECTRIC-FIELD
EFFECTS IN MBBA NEMATIC LIQUID-CRYSTAL
- 336 KAYSER RF RAVECHE HJ
PHYS REV A 17 2067 78
BIFURCATION IN ONSAGERS MODEL OF THE ISOTROPIC-
NEMATIC TRANSITION
- 337 KELLER P
ANN PHYSIQ 3 139 78
SYNTHESIS OF NEW FERROELECTRIC LIQUID-CRYSTALS

- 338 KERLLENE.B COCHE A
RADIAT EFF 39 103 78
GAMMA-IRRADIATION OF CHOLESTERIC PRODUCTS - EFFECT
OF THE PRESENCE OF ORGANIC-SOLVENTS
- 339 KERN F
CR AC SCI B 286 279 78
(FR) CONTRIBUTION TO STUDY OF NEMATOGENIC
MOLECULES
- 340 KEYES PH AJGAONKA.DB
B AM PHYS S 23 548 78
LIGHT-SCATTERING AT ISOTROPIC - CHOLESTERIC
TRANSITION
- 341 KEYES PH
PHYS LETT A 67 132 78
TRICRITICAL BEHAVIOR AT ISOTROPIC-NEMATIC
TRANSITION
- 342 KEYSER S KURMER J RAYMOND C LORD AE
SOL ST COMM 28 671 78
ULTRASONIC-ATTENUATION NEAR CHOLESTERIC - SMECTIC
A TRANSITION
- 343 KHATAEVI.VI ZEINALLY AK
JETP LETTER 27 408 78
DISSIPATIVE STRUCTURE IN TURBULENT MOTION OF
LIQUID-CRYSTALS
- 344 KHODZHAЕ.VL SHISHKIN.MV DEMUS D KONSTANT.II
ZH FIZ KHIM 52 2499 78
(RS) SPECTRAL AND ORIENTATIONAL PROPERTIES OF SOME
LIQUID-CRYSTALLINE AZOBENZENES AND AZOXYBENZENES
- 345 KHOKHLOV AR
PHYS LETT A 68 135 78
LIQUID-CRYSTALLINE ORDERING IN SOLUTION OF SEMI-
FLEXIBLE MACROMOLECULES
- 346 KIM Y PINCUS P
ACS SYMP S 1978 127 78
NEMATIC POLYMERS - EXCLUDED VOLUME EFFECTS
- 347 KINI UD
PRAMANA 10 143 78
HOMOGENEOUS INSTABILITIES IN NEMATIC LIQUID-
CRYSTALS
- 348 KIRJANOV SV
V MOSK FIZ 19 83 78
(RS) SPATIAL FLUCTUATIONS IN SMECTIC LIQUID-
CRYSTAL (TECHNICAL NOTE)

- 349 KIROV N SIMOVA P RATAJCZA.H
J MOL STRUC 46 487 78
INFLUENCE OF AC ELECTRIC-FIELD ON IR-SPECTRA OF
SOME NEMATIC LIQUID-CRYSTALS WITH POSITIVE AND
NEGATIVE DIELECTRIC ANISOTROPY
- 350 KIRY F MARTINOT.P
J PHYSIQUE 39 1019 78
ULTRASONIC-ATTENUATION IN CBOOA NEAR NEMATIC-
SMECTIC-A TRANSITION
- 351 KIRY F MARTINOT.P
ANN PHYSIQ 3 369 78
DYNAMIC PROPERTIES NEAR NEMATIC-SMECTIC-A
TRANSITION BY ULTRASONIC-ABSORPTION
- 352 KISE H SENO M
J SYN ORG J 36 937 78
(JA) CHEMICAL-REACTIONS IN LIQUID-CRYSTALLINE
PHASE
- 353 KISE H NISHISAK.Y ASAHARA T SENO M
CHEM LETT 1978 1235 78
MESOMORPHIC PROPERTIES OF N-(4-ETHYLPYRIDINIO)-4-
ALKOXYBENZAMIDATES - YLIDE AS A LIQUID-CRYSTAL
- 354 KISHORE PR RAO NVS SARMA PBK RAJ TFS
AVADHANL.MN MURTY CRK
MOLEC CRYST 45 231 78
FIELD AND FREQUENCY EFFECTS IN A NEMATIC MIXTURE
OF NEGATIVE AND POSITIVE DIELECTRIC ANISOTROPY
- 355 KLEINERT H
FORTSCHR PH 26 565 78
COLLECTIVE QUANTUM FIELDS
- 356 KLEMAN M MICHEL L
J PHYS LETT 39 L29 78
CLASSIFICATION OF DEFECTS IN SMECTIC PHASES SM A
AND SM C
- 357 KLEMAN M MICHEL L
PHYS REV L 40 1387 78
SPONTANEOUS BREAKING OF EUCLIDEAN INVARIANCE AND
CLASSIFICATION OF TOPOLOGICALLY STABLE DEFECTS AND
CONFIGURATIONS OF CRYSTALS AND LIQUID-CRYSTALS
- 358 KLEMAN M
ANN PHYSIQ 3 265 78
ELASTICITY AND DEFECTS IN A SMECTIC-C PHASE

- 359 KLEMAN M
J MICROSC S 3 357 78
(FR) DEFECTS IN MESOMORPHIC PHASES - THEORETICAL ASPECTS
- 360 KLOSE G HEMPEL G ZGLINICK.TV
CHEM PHYS L 21 261 78
NUCLEAR MAGNETIC-RESONANCE AND LIGHT-SCATTERING STUDIES OF AGGREGATION OF DIPALMITOYL-PHOSPHATIDYLCHOLINE-BENZENE SYSTEMS
- 361 KLYUKIN LN SONIN AS STEPANOV BM
MEAS TECH R 21 1421 78
INSTRUMENTS FOR VISUALIZING INFRARED AND UHF RADIATION BY MEANS OF CHOLESTERIC LIQUID-CRYSTALS
- 362 KOHNO T MIIKE H EBINA Y
J PHYS JPN 44 1678 78
INSTABILITY OF PLANAR TEXTURE IN CHOLESTERIC AND NEMATIC MIXTURE WITH NEGATIVE DIELECTRIC ANISOTROPY
- 363 KON SH
MED HYPOTH 4 559 78
BIOLOGICAL AUTOOXIDATION .2. CHOLESTEROL ESTERS AS INERT BARRIER ANTIOXIDANTS - SELF-ASSEMBLY OF POROUS MEMBRANE SACS - HYPOTHESIS
- 364 KONARSKI P PYZUK W KRUPKOWS.T
MOLEC CRYST 47 105 78
DIELECTRIC STUDIES OF ORDERING DUE TO AN EXTERNAL DC ELECTRIC-FIELD IN NEMATIC 4,4'-DI-NORMAL-HEXYLOXYAZOXYBENZENE
- 365 KONDO Y UKAI Y IIZUKA E
POLYM J 10 631 78
FORMATION OF LIQUID-CRYSTALS OF POLY(L-LYSINEHYDROBROMIDE) IN AQUEOUS-SOLUTION (TECHNICAL NOTE)
- 366 KONSTANT.VP TICHOMIR.NA GLOGAROV.M
FERROELECTR 20 259 78
ALIGNMENT OF NEMATIC LIQUID-CRYSTALS ON DOMAINS OF TGS
- 367 KORTE EH
MOLEC CRYST 44 151 78
INFLUENCE OF ORIENTATIONAL ORDER ON OPTICAL-PROPERTIES OF CHOLESTERIC LIQUID-CRYSTALS

- 116 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 368 KORTE EH
APPL SPECTR 32 568 78
DISCRIMINATION OF ENANTIOMERS AT MICROGRAM LEVEL
USING LIQUID-CRYSTALLINE SOLUTIONS
- 369 KORTE EH SCHRADER B BUALEK S
J CHEM R-S 1978 236+ 78
NEW METHOD FOR THE STUDY OF MOLECULAR CHIRALITY -
INFRARED ROTATORY-DISPERSION OF INDUCED
CHOLESTERIC SOLUTIONS
- 370 KOSHKIN NI CHUMAKOV.SV
KRISTALLOGR 23 432 78
(RS) DETERMINATION OF VISCOSITY COEFFICIENTS OF
NEMATIC LIQUID-CRYSTALS BY TORSIONAL OSCILLATIONS
METHOD
- 371 KOTHE G OHMES E
J MOL STRUC 46 481 78
STRUCTURE AND MOLECULAR-DYNAMICS IN LIQUID-
CRYSTALS - ESR STUDY USING TRI-RADICALS AS SPIN
PROBES
- 372 KOVAC CA LEWIS IC
CARBON 16 433 78
MAGNETIC ORIENTATION STUDIES OF SYNTHETIC
MESOPHASE PITCHES
- 373 KOZAWAGU.H WADA M
MOLEC CRYST 44 97 78
DEPENDENCE OF HELICAL PITCH ON COMPOSITION IN
MIXTURES OF NEMATIC AND CHOLESTERIC LIQUID-
CRYSTALS
- 374 KOZAWAGU.H WADA M
MOLEC CRYST 45 55 78
HELICAL SENSE AND PITCH OF CHOLESTERIC LIQUID-
CRYSTALS
- 375 KOZHEVNI.EN CHABAN IA
SOV PH AC R 24 203 78
SOUND-PROPAGATION IN A NEMATIC LIQUID-CRYSTAL NEAR
ITS TRANSITION TO AN ISOTROPIC LIQUID
- 376 KRABBE HJ HEGGEMEI.H SCHRADER B KORTE EH
J CHEM R-S 1978 238+ 78
DETERMINATION OF THE ABSOLUTE-CONFIGURATION OF
CHIRAL MOLECULES FROM THE INFRARED ROTATORY-
DISPERSION OF THEIR LIQUID-CRYSTALLINE SOLUTIONS

- 377 KRAMAREN.NL KURNOSOV IV NABOIKIN YV
MOLEC CRYST 47 7 78
SOME PECULIARITIES OF CHOLESTERIC-TO-NEMATIC
TRANSITION IN CHOLESTERIC LIQUID-CRYSTAL MIXTURES
- 378 KRAUS G KOLBE A
J CHROMAT 147 17 78
CORRELATION BETWEEN GAS-CHROMATOGRAPHIC AND
INFRARED SPECTROSCOPIC BEHAVIOR IN SMECTIC PHASES
- 379 KRESSE H KONIG S DEMUS D
Z CHEM 18 152 78
(GE) DIELECTRIC PROPERTIES OF PSEUDOBINARY MIXTURE
OF LIQUID-CRYSTALS
- 380 KRESSE H RETTIG R DEUTSCHE.HJ
Z CHEM 18 182 78
(GE) DIELECTRIC BEHAVIOR OF LIQUID-CRYSTALLINE
TRANS-4-N-ALKYLCYCLOHEXANE-CARBOXYLIC ACID
- 381 KRESSE H PIETSCHKE.J DEUTSCHE.HJ DEMUS D
WEISSFLO.W
Z PHYS CH L 259 779 78
(GE) DIELECTRIC-RELAXATION OF LIQUID-CRYSTALS OF
4-METHOXYBENZOIC ACID (4-ALKYLOXYPHENYLESTER) IN
MHZ RANGE
- 382 KRESSE H SELBMANN C
Z PHYS CH L 259 897 78
(GE) DIELECTRIC STUDIES ON BINARY-SYSTEM FROM 2
NEMATIC LIQUID-CRYSTAL MATERIALS
- 383 KRESSE H DEMUS D WIEGELEB.A
PHYS ST S-A 50 K181 78
DIELECTRIC-RELAXATION OF LIQUID-CRYSTALS WITH
NEMATIC, SMECTIC-A AND SMECTIC-C PHASES
- 384 KRIGBAUM WR SALARIS F
J POL SC PP 16 883 78
THERMODYNAMICS OF NEMATIC PHASES FORMED FROM SEMI-
FLEXIBLE CHAIN POLYMERS
- 385 KRONBERG B BASSIGNA.I PATTERSON.D
J PHYS CHEM 82 1714 78
PHASE-DIAGRAMS OF LIQUID-CRYSTAL + POLYMER SYSTEMS
- 386 KRONBERG B BASSIGNA.I PATTERSON.D
J PHYS CHEM 82 1719 78
EFFECT OF SOLUTE SIZE AND SHAPE ON NEMATIC-
ISOTROPIC PHASE-EQUILIBRIA IN EBBA + AROMATIC
HYDROCARBON SYSTEMS

- 118 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 387 KRUGER GJ SPIESECK.H
ANN PHYSIQ 3 193 78
DIFFUSION OF PHASE AND IMPURITY MOLECULES IN A
SMECTIC SYSTEM
- 388 KRUPKOWS.T RUSZKIEW.W
MOLEC CRYST 49 47 78
EVIDENCE FOR ANISOTROPIC EXPANSION OF SECONDARY
DYNAMIC SCATTERING
- 389 KTORIDES PI DSIDOCKY R FISHEL DL UHRICH DL
B AM PHYS S 23 970 78
MOSSBAUER STUDY OF 2 SN-BEARING LIQUID-CRYSTALS
AND A SOLUTION OF 1,1'-DIACETYLFERROCENE IN ONE OF
THEM
- 390 KUBISTA E KUCERA H
WIEN MED W 128 307 78
(GE) FUNDAMENTALS OF LIQUID-CRYSTAL THERMOGRAPHY
AND ITS APPLICATION IN GYNECOLOGY
- 391 KUBITZ A
Z PHYS CH L 259 265 78
(GE) NUCLEAR-SPIN LATTICE-RELAXATION STUDIES IN
LIQUID-CRYSTALLINE PHASES OF OCTYLOXYBENZOIC ACID-
4-NITROPHENYLESTER
- 392 KUDRYASH.TP LISETSKI.LN CHISTYAK.IG
ZH FIZ KHIM 52 2194 78
(RS) THEORETICAL-ANALYSIS OF NEMATIC-CHOLESTERIC
MIXTURES, BASED ON PRESENTATIONS OF INTER-
MOLECULAR ASSOCIATES
- 393 KUKHTARE.NV
KVAN ELEKTR 5 1360 78
(RS) A CHOLESTERIC LIQUID-CRYSTAL DISTRIBUTED-
FEEDBACK LASER
- 394 KUMANOVA M KANETI H
MOLEC CRYST 41 177 78
EFFECT OF PAA MOLECULAR-STRUCTURE ON NEMATIC
LIQUID-CRYSTAL PHASE
- 395 KURDYUMO.GM MOLOCHKO VA CHERNOVA OP
J APPL CHEM 51 167 78
SELECTION OF LOW-MELTING LIQUID-CRYSTAL
COMPOSITIONS HAVING HIGH MESOPHASE STABILITY
- 396 KURDYUMO.GM MOLOCHKO VA CHERNOVA OP
J APPL CHEM 51 196 78
PHASE-EQUILIBRIA IN LIQUID-CRYSTAL SYSTEMS FORMED
BY CERTAIN AROMATIC ESTERS

- 397 KWIATKOW.JH SAMULSKI ET
B AM PHYS S 23 354 78
SIDE-CHAIN ORDER PARAMETERS VIA H-2 NMR IN
POLYPEPTIDE LIQUID-CRYSTALS
- 398 KWOK SK LIAO Y
J APPL PHYS 49 3970 78
TRANSIENT PHENOMENA OF RELAXATION FROM ELECTRIC-
FIELD-INDUCED NEMATIC PHASE TO CHOLESTERIC PHASE
- 399 LAGGNER P KOSTNER GM
EUR J BIOCH 84 227 78
THERMOTROPIC CHANGES IN SURFACE-STRUCTURE OF
LIPOPROTEIN-B FROM HUMAN PLASMA LOW-DENSITY
LIPOPROTEINS - SPIN-LABEL STUDY
- 400 LAL HB
NATL ACAD S 1 421 78
ELECTRICAL-CONDUCTIVITY AND DIELECTRIC-CONSTANT OF
HBT, OBT AND NPOB IN SOLID-PHASE
- 401 LAPRICE WJ UHRICH DL
B AM PHYS S 23 970 78
MOSSBAUER TEMPERATURE AND ORIENTATION STUDY OF A
SUPERCOOLED NEMATIC LIQUID CRYSTAL-NEMATIC GLASS-
TRANSITION
- 402 LARSSON K
ANN PHYSIQ 3 285 78
LYOTROPIC AND MULTILAMELLAR SYSTEMS
- 403 LAWTON EL CATES DM
TEXT RES J 48 478 78
ABNORMAL DENSITIES OBTAINED BY LIQUID
CRYSTALLIZATION OF THIN POLY(ETHYLENE-
TEREPHTHALATE) FILMS
- 404 LEADBETT.AJ RICHARDS.RM
MOLEC PHYS 35 1191 78
MOLECULAR MOTIONS IN A SMECTIC-A PHASE BY
INCOHERENT QUASI-ELASTIC NEUTRON-SCATTERING
- 405 LEBEDEV VI LEBEDEV VA
SOV J OPT T 45 135 78
ANGULAR-DEPENDENCE OF THE LIGHT TRANSMISSION OF A
LIQUID-CRYSTAL T-CELL
- 406 LEBEDEV VP
USP KH 47 127 78
(RS) STRUCTURE OF AMORPHIC POLYMERS

- 120 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 407 LEBERRE S HARENG M
ANN PHYSIQ 3 327 78
ELECTRIC-FIELD EFFECTS IN SMECTIC-A PHASE
- 408 LECOIN D HOCHAPPE.A PERRON R PETIT J
MOLEC CRYST 44 163 78
(FR) CRYSTALLINE POLYMORPHISM OF NEW LIQUID-
CRYSTALS BY DIFFERENTIAL CALORIMETRY
- 409 LEE AG
BIOC BIOP A 507 433 78
CALCULATION OF PHASE-DIAGRAMS FOR NON-IDEAL
MIXTURES OF LIPIDS, AND A POSSIBLE NONRANDOM
DISTRIBUTION OF LIPIDS IN LIPID MIXTURES IN
LIQUID-CRYSTALLINE PHASE
- 410 LEENHOUT.F VANDERWO.F
J PHYS LETT 39 L249 78
SIMPLE METHOD OF DETERMINING BIREFRINGENCE OF
NEMATIC LIQUID-CRYSTALS
- 411 LEES DE ATKINSON ER MACNAMAR.TE SCHUETTE W
BULL JM WHANGPEN.J
ANESTH ANAL 57 669 78
EVALUATION OF LIQUID-CRYSTAL THERMOMETRY AS A
SCREENING DEVICE FOR INTRAOPERATIVE HYPERTHERMIA
- 412 LEISS O EGGE H MURAWSKI U
H-S Z PHYSL 359 293 78
(GE) LECITHIN-CHOLESTERIN-ACYL TRANSFERASE ACTIVITY
DEPENDENT UPON DIFFERENT LIPOPROTEIN PARAMETERS
- 413 LEKKERKE.HN DEBRUYNE J VANDERHA.R LUYCKX R
PHYSICA A 94 465 78
CLUSTER VARIATION THEORY FOR ISOTROPIC-NEMATIC
PHASE-TRANSITION
- 414 LEMBRIKO.BI
ZH TEKH FIZ 48 254 78
(RS) ELECTRODYNAMIC NEMATIC CRYSTALS
- 415 LESTER R
J CHROMAT 156 55 78
SMECTIC LIQUID-CRYSTAL FOR GAS-LIQUID-
CHROMATOGRAPHIC SEPARATION OF LEPISOPTEROUS SEX-
PHEROMONES AND RELATED ISOMERIC OLEFINS
- 416 LETCHER S LEBRUN J CANDAU S
J ACOUST SO 63 55 78
ACOUSTOOPTIC EFFECT IN NEMATIC LIQUID-CRYSTALS

- 417 LEVY Y RIVIERE D IMBERT C BOIX M
OPT COMMUN 26 225 78
(FR) DETERMINATION OF ANGLES OF OBLIQUITY OF A
LIQUID-CRYSTAL IN NEMATIC PHASE NEAR A SURFACE
- 418 LEWIS IC KOVAC CA
CARBON 16 425 78
ROLE OF FREE-RADICALS AND MOLECULAR-SIZE IN
MESOPHASE PITCH
- 419 LEWIS IC
CARBON 16 503 78
THERMOTROPIC MESOPHASE PITCH
- 420 LIM KC HO JT
PHYS REV L 40 944 78
COUPLING BETWEEN ORIENTATIONAL AND TRANSLATIONAL
ORDER IN A LIQUID-CRYSTAL
- 421 LIM KC HO JT
MOLEC CRYST 47 173 78
APPARATUS FOR HIGH-RESOLUTION BIREFRINGENCE
MEASUREMENT IN LIQUID-CRYSTALS
- 422 LIN WJ KEYES PH DANIELS WB
B AM PHYS S 23 548 78
TURBIDITY MEASUREMENTS IN LIQUID-CRYSTALS AT HIGH-
PRESSURES
- 423 LINDBLOM G LINDMAN B TIDDY GJT
J AM CHEM S 100 2299 78
ION BINDING STUDIED USING QUADRUPOLE SPLITTINGS OF
NA-23+ IONS IN LYOTROPIC LIQUID-CRYSTALS -
DEPENDENCE ON SURFACTANT TYPE
- 424 LISETSKI.LN TOLMACHE.AV TISHCHEN.VG
JETP LETTER 27 191 78
EFFECT OF ORIENTATION ORDER ON HELICAL TWIST OF
CHOLESTERIC LIQUID-CRYSTALS
- 425 LIVINGST.CJ SCHACHTE.D
CLIN RES 26 A499 78
LIPID FLUIDITY OF HEPATOCYTE PLASMA-MEMBRANES -
EVIDENCE FOR A THERMOTROPIC TRANSITION
- 426 LOBASTOV.SA SONIN AS CHUVYROV AN
KRISTALLOGR 23 327 78
(RS) ELECTROOPTICAL PROPERTIES OF NEMATIC LIQUID-
CRYSTALS OF SERIES P-N-ALKOXYBENZOIC ACID LIQUID-
CRYSTALS

- 122 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 427 LOEWENST.A BRENMAN M SCHWARZM.R
J PHYS CHEM 82 1744 78
NUCLEAR MAGNETIC-RESONANCE STUDIES OF CATIONS AND
WATER IN LYOTROPIC SYSTEMS
- 428 LOEWENST.A BRENMAN M
CHEM P LETT 58 435 78
NUCLEAR MAGNETIC-RESONANCE OF XE-131 IN A POLY-
GAMMA-BENZYL-L-GLUTAMATE LIQUID-CRYSTALLINE
SOLUTION
- 429 LOHMAN JAB MACLEAN C
CHEM PHYS 35 269 78
ALIGNMENT EFFECTS ON HIGH-RESOLUTION NMR-SPECTRA,
INDUCED BY THE MAGNETIC-FIELD
- 430 LOPATNIK.SL NAMIOT VA
ZH EKSP TEO 75 361 78
(RS) INTERACTION OF MACROMOLECULES INJECTED IN A
LIQUID-CRYSTAL
- 431 LOSEVA MV OSTROVSK.BI RABINOV.I.AZ SONIN AS
STRUKOV BA CHERNOVA NI
JETP LETTER 28 374 78
FERROELECTRICITY IN ESTER-GROUP LIQUID-CRYSTAL
- 432 LUBENSKY TC CHEN JH
PHYS REV B 17 366 78
ANISOTROPIC CRITICAL PROPERTIES OF DE GENNES MODEL
FOR NEMATIC TO SMECTIC-A PHASE-TRANSITION
- 433 LUBENSKY TC
B AM PHYS S 23 265 78
THEORETICAL OVERVIEW OF NEMATIC TO SMECTIC PHASE-
TRANSITIONS
- 434 LUIPPOLD DA
J AM OIL CH 55 A264 78
FLEXOELECTRIC EXPERIMENTS ON LIPID-WATER SMECTIC
LIQUID-CRYSTALS
- 435 LUNAZZI L
J MOL STRUC 46 421 78
MOLECULAR-STRUCTURES AND CONFORMATIONS BY NMR-
SPECTROSCOPY IN LIQUID-CRYSTALS
- 436 LUO FC HESTER WA BRODY TP
P SID 19 63 78
ALPHANUMERIC AND VIDEO PERFORMANCE OF A
6INCHESX6INCHES 30 LINES PER INCH THIN-FILM
TRANSISTOR LIQUID-CRYSTAL DISPLAY PANEL

- 437 LYUKSYUT.IF
ZH EKSP TEO 75 760 78
(RS) SCATTERING OF LIGHT IN SMECTIC-A
- 438 MACDONAL.AG
BIOC BIOP A 507 26 78
DILATOMETRIC INVESTIGATION OF EFFECTS OF GENERAL-
ANESTHETICS, ALCOHOLS AND HYDROSTATIC-PRESSURE ON
PHASE-TRANSITION IN SMECTIC MESOPHASE OF
DIPALMITOYL PHOSPHATIDYLCHOLINE
- 439 MAGALINS.VB
IVUZ FIZ 1978 150 78
(RS) TENSOR FIELDS OF WEAKLY INHOMOGENEOUS
ORIENTATION ORDERING IN THEORY OF LIQUID-CRYSTALS
- 440 MAGALINS.VB
IVUZ FIZ 1978 104 78
(RS) FREE-ENERGY OF LIQUID-CRYSTALS WITH SLOW-
VARYING PARAMETERS OF ORIENTATION ORDER
- 441 MAJOROS S JOHNSON DL
B AM PHYS S 23 352 78
SEARCH FOR NONLINEAR MAGNETIC-FIELD INDUCED
DISTORTIONS ABOVE NEMATIC-SMECTIC-A PHASE-
TRANSITION
- 442 MAKOV DM SANDERS CL
NATURE 276 48 78
ADDITIVE COLOR PROPERTIES AND COLOR GAMUT OF
CHOLESTERIC LIQUID-CRYSTALS
- 443 MALRAISO.B
CR AC SCI B 286 307 78
(FR) QUENCHING OF ORIENTATIONAL FLUCTUATIONS IN A
NEMATIC LIQUID-CRYSTAL USING HIGH MAGNETIC-FIELDS
- TEMPERATURE-DEPENDENCE STUDY
- 444 MALTESE P OTTAVI CM
ANN PHYSIQ 3 347 78
TRANSVERSAL INSTABILITIES AND REGULAR ARRANGEMENTS
OF UMBILICS IN DYNAMICALLY EXCITED NEMATIC LIQUID-
CRYSTAL LAYERS
- 445 MALTESE P OTTAVI CM
ALTA FREQ 47 664 78
IMPROVED CONSTRUCTION OF LIQUID-CRYSTAL CELLS
- 446 MANDHAR C KELKAR VK YAKHMI JV
MOLEC CRYST 49 99 78
THEORY OF NEMATIC TO ISOTROPIC TRANSITION IN
LIQUID-CRYSTALS FORMING DIMERS

- 124 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 447 MANNEVIL.P
J PHYSIQUE 39 911 78
NONLINEARITIES AND FLUCTUATIONS AT TRESHOLD OF A
HYDRODYNAMIC INSTABILITY IN NEMATIC LIQUID-
CRYSTALS
- 448 MANOHAR C KELKAR VK YAKHMI JV
MOLEC CRYST 48 165 78
SMECTIC-C TO NEMATIC TRANSITION IN P-N-
HEPTYLOXYBENZYLIDENE-P-AMINO-BENZOIC ACID
- 449 MARCEROU JP PROST J
PHYS LETT A 66 218 78
FLEXOELECTRICITY IN ISOTROPIC PHASES
- 450 MARCEROU JP PROST J
ANN PHYSIQ 3 269 78
RELAXATIONAL BEHAVIOR OF FLEXOELECTRICITY
- 451 MARGINAN J MALET G
ANN PHYSIQ 3 221 78
PLASTICITY OF SMECTICS-A
- 452 MARRIS AW
ARCH R MECH 67 251 78
UNIVERSAL SOLUTIONS IN HYDROSTATICS OF NEMATIC
LIQUID-CRYSTALS
- 453 MARTIN CE KING GP THOMPSON GA
J CELL BIOL 79 A226 78
THERMOTROPIC PROPERTIES OF MEMBRANE LIPIDS FROM
TETRAHYMENA
- 454 MARTINS AF DIOGO AC VAZ NP
ANN PHYSIQ 3 361 78
CRITICAL BEHAVIOR OF TWIST VISCOSITY GAMMA-I(T)
ABOVE SMECTIC-A NEMATIC TRANSITION
- 455 MATSUKAW.F ARAI H KURAHASH.K
FERROELECTR 19 168 78
EFFECTS OF PHYSICAL-PROPERTIES FOR OPTICAL
THERESHOLD VOLTAGE OF TWISTED NEMATIC LIQUID-
CRYSTALS
- 456 MATSUMUR. H
MOLEC CRYST 49 105 78
FERROELECTRICITY IN THE MIXTURES OF CHIRAL WITH
NON-CHIRAL SMECTIC-C
- 457 MATSUMUR. H
MOLEC CRYST 49 113 78
MAGNETIC FIELD-SWEEPING RATE DEPENDENCE OF
MOLECULAR-ORIENTATION IN THE CHOLESTERIC-NEMATIC
TRANSITION

- 458 MAZE C
MOLEC CRYST 48 273 78
DETERMINATION OF NEMATIC LIQUID-CRYSTAL ELASTIC
AND DIELECTRIC PROPERTIES FROM THE SHAPE OF A
CAPACITANCE-VOLTAGE CURVE
- 459 MCINTYRE P
J OPT SOC 68 869 78
TRANSMISSION OF LIGHT THROUGH A TWISTED NEMATIC
LIQUID-CRYSTAL LAYER
- 460 MEHTA AI
PHYS LETT A 69 47 78
STRUCTURE OF SMECTIC SH AND SM PHASES OF HXBPA
- 461 MEYER RB STEBLER B LAGERWAL ST
PHYS REV L 41 1393 78
OBSERVATION OF EDGE DISLOCATIONS IN SMECTIC
LIQUID-CRYSTALS
- 462 MICCIANC.S RONDELEZ F
J PHYS LETT 39 L5 78
EVIDENCE FOR SHEAR-INDUCED BIAXIALITY IN L-ALPHA
LECITHINS CLOSE TO SOLID-SURFACES
- 463 MICHELSON.A BENGUIGU.L
PHYS REV A 18 2736 78
BEHAVIOR OF ELECTRIC SUSCEPTIBILITY AND ELECTRO-
CLINIC COEFFICIENT NEAR THE CHIRAL SMECTIC-A-C-
TRANSITION
- 464 MIIKE H MASHIYAM.T KOGA K EBINA Y
J PHYS JPN 44 693 78
ANOMALOUS SPECTRA OF CURRENT INDUCED NOISE IN
NEMATIC MBBA UNDER HIGH DC-FIELD
- 465 MIIKE H OKAZAKI T KOHNO T EBINA Y
J PHYS JPN 45 1174 78
ANOMALOUS BEHAVIORS OF ELECTRICAL DISSIPATIVE
POWER IN CHOLESTERIC LIQUID-CRYSTAL WITH LONG
PITCH
- 466 MILLAUD B THIERRY A SKOULIOS A
MOLEC CRYST 41 269 78
(FR) ROLE OF MOLECULAR BODY IN APPEARANCE OF
THERMOTROPIC NEMATIC PHASES
- 467 MILLAUD B THIERRY A SKOULIOS A
J PHYSIQUE 39 1109 78
(FR) TEXTURE OF LYOTROPIC NEMATIC PHASES OF RIGID
MACROMOLECULES

- 126 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 468 MILLER WG
ANN R PH CH 29 519 78
STIFF CHAIN POLYMER LYOTROPIC LIQUID-CRYSTALS
- 469 MINTS RI DOBRIN VA KUZNETSO.OY
ZH TEK H FIZ 48 1759 78
(RS) ELECTRON-EMISSION UNDER MESOPHASE REACTION
CONDITIONS
- 470 MITOV MD
DAN BOLG 31 513 78
3RD AND 4TH ORDER CURVATURE ELASTICITY OF LIPID
BILAYERS
- 471 MITSUO N KUNIEDA T TAKIZAWA T
CHEM PHARM 26 1493 78
STUDIES ON TELOMERS AND OLIGOMERS OF VINYLENE
CARBONATE .10. PREPARATION OF LECITHIN-TYPE OF
PHOPHOLIPID ANALOGS AND MESOMORPHIC STATES
- 472 MIYAKAWA K AKAHOSH I S
J PHYS JPN 45 195 78
QUASI-ELASTIC LIGHT-SCATTERING NEAR INSTABILITY
POINT IN NEMATIC LIQUID-CRYSTALS .2. DIELECTRIC
REGIME
- 473 MIYANO K
J CHEM PHYS 69 4807 78
RAMAN DEPOLARIZATION RATIOS AND ORDER PARAMETERS
OF A NEMATIC LIQUID-CRYSTAL
- 474 MIYATA I KISHIMOT.H
YAKUGAKU ZA 98 689 78
(JA) THERMODYNAMIC STUDY OF LIQUID-CRYSTAL
SUBSTANCE BY GAS-LIQUID CHROMATOGRAPHY .1.EFFECT
OF LIQUID-CRYSTAL CONTENT IN STATIONARY PHASE
- 475 MIYATA I KISHIMOT.H
YAKUGAKU ZA 98 1629 78
(JA) THERMODYNAMIC STUDY OF LIQUID-CRYSTAL
SUBSTANCE BY GAS-LIQUID CHROMATOGRAPHY .2. LIQUID
CRYSTAL-SOLUTE INTERACTION
- 476 MLODOZEN.AR
J S COSM CH 29 659 78
THERMODYNAMICS AND PHYSICAL-PROPERTIES OF A
LYOTROPIC MESOPHASE (LIQUID-CRYSTAL) AND MICELLAR
SOLUTION OF AN IONIC AMPHIPHILE
- 477 MOLCHANO.YV
FIZ TVERD T 20 292 78
(RS) MAGNETIC-PROPERTIES OF LIQUID-CRYSTALLINE 4-
OCTILOXY-4'-HEPTYL ALPHA-CYANSTILBENE

- 478 MORGAN PW
J POL SCI 1978 1 78
LIQUID-CRYSTALLINE SOLUTIONS OF POLYHYDRAZIDES AND
POLY(AMIDE-HYDRAZIDES) IN SULFURIC ACIDS
- 479 MORI N
NIP KAG KAI 1978 864 78
(JA) CHOLESTERIC LIQUID-CRYSTAL INDUCED CIRCULAR-
DICHROISM IN SOLUTION OF POLYGLUTAMATES
- 480 MORI T TANAKA R TANAKA T
J APPL POLY 22 2817 78
HETEROGENEOUS NETWORK POLYMERS .4. EFFECTS OF RATE
OF SOLVENT EVAPORATION ON RESIDUAL PGA LIQUID-
CRYSTAL STRUCTURE AND ITS DYNAMIC MECHANICAL-
PROPERTIES
- 481 MORITZ E
MOLEC CRYST 49 7 78
ACOUSTICAL ACTIVITY IN LIQUID-CRYSTALS
- 482 MOUCHARA.N FRIBERG S
J AM OIL CH 55 A233 78
DISLOCATION PATTERN IN LAMELLAR LIQUID-CRYSTALS
- 483 MOUNTCAS.DB BILTONEN RL HALSEY MJ
P NAS US 75 4906 78
EFFECT OF ANESTHETICS AND PRESSURE ON THERMOTROPIC
BEHAVIOR OF MULTILAMELLAR DIPALMITOYLPHOSPHATIDYL
CHOLINE LIPOSOMES
- 484 MTSKERAD.GS ERMAKOV AA KOMPANET.IN REMEZOV VY
KVAN ELEKTR 5 209 78
(RS) INDIVIDUALLY ADDRESSABLE LIQUID-CRYSTAL
CONTROLLED TRANSPARENCY
- 485 MTSKERAD.GS DOROSHKI.AA KLIMOV II KOMPANET.IN
MAZUR AI SYOMOCHK.PN
KVAN ELEKTR 5 1471 78
(RS) HOLOGRAM RECORDING WITH USE OF A LIQUID-
CRYSTAL CONTROLLED TRANSPARENCY WITH CAPACITY OF
128X128 ELEMENTS
- 486 MUKHINA MV KOMAROV PS SOPOVA AS
ZH ORG KH 14 1564 78
(RS) LIQUID-CRYSTALLINE PROPERTIES OF BETA-
SITOSTEROL ETHERS
- 487 MULLER F
HELV PHYS A 51 483 78
(FR) OBLIQUE DEPOSITION OF THIN SIO FILMS AND
MOLECULAR-ORIENTATION IN LIQUID-CRYSTALS

- 128 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 488 MURZA MM BILDINOV KN SHCHERBA.MS
ZH ORG KH 14 544 78
(RS) LIQUID-CRYSTALLINE SUBSTANCES - SYNTHESIS OF
PERFLUOROALKANECARBOXYLIC ACID CHOLESTERYL ESTERS
- 489 NAEMURA S
APPL PHYS L 33 1 78
MEASUREMENT OF ANISOTROPIC INTERFACIAL
INTERACTIONS BETWEEN A NEMATIC LIQUID-CRYSTAL AND
VARIOUS SUBSTRATES
- 490 NAGAI S IIZUKA K
JPN J A PHY 17 723 78
EXPERIMENT ON RESOLUTION OF ACOUSTIC IMAGE
DETECTOR WITH A NEMATIC LIQUID-CRYSTAL
- 491 NAGAI S IIZUKA K
MOLEC CRYST 45 83 78
ULTRASONIC-IMAGING UTILIZING A NEMATIC LIQUID-
CRYSTAL
- 492 NAKAZAKI M YAMAMOTO K FUJIWARA K
CHEM LETT 1978 863 78
PHOTO-ASYMMETRIC SYNTHESIS OF HEXAHELICENE IN
CHOLESTERIC LIQUID-CRYSTALS
- 493 NAMOT VA LOPATNIK.SL
BIOFIZIKA 23 1110 78
(RS) THEORY OF THE BEHAVIOR OF MACROMOLECULES
INTRODUCED INTO LIQUID-CRYSTALS
- 494 NARA Y KOBAYASH.S MIYAJI A
J APPL PHYS 49 4277 78
MULTIPLEXING FOR GUEST-HOST MODE USING A NEMATIC
CHOLESTERIC MIXTURE WITH A LONG PITCH
- 495 NATALE GG
J ACOUST SO 63 1265 78
CONTRIBUTION OF ULTRASONIC MEASUREMENTS TO STUDY
OF LIQUID-CRYSTALS .1. NEMATICS
- 496 NATALE GG
IEEE SON UL 25 261 78
RECENT ULTRASONIC STUDIES OF LIQUID-CRYSTALS
- 497 NATALE GG
J ACOUST SO 63 1677 78
CONTRIBUTION OF ULTRASONIC MEASUREMENTS TO STUDY
OF LIQUID-CRYSTALS .2. SMECTICS, CHOLESTERIC, AND
MIXTURES

- 498 NAWA N NAKAMURA K
JPN J A PHY 17 219 78
OBSERVATION OF FORMING PROCESS OF BUBBLE-DOMAIN
TEXTURE IN LIQUID-CRYSTALS
- 499 NAWA N NAKAMURA K
JPN J A PHY 17 2165 78
OBSERVATION OF INTERFERENCE-FRINGS OF BUBBLE-
DOMAIN TEXTURE IN LIQUID-CRYSTALS
- 500 NERBONNE JM WEISS RG
J AM CHEM S 100 2571 78
EFFECTS OF LIQUID-CRYSTAL SOLVENTS ON PHOTO-
DIMERIZATION OF ACENAPHTHYLENE
- 501 NERBONNE JM WEISS RG
J AM CHEM S 100 5953 78
ELUCIDATION OF THERMAL-ISOMERIZATION MECHANISM FOR
AZOBENZENE IN A CHOLESTERIC LIQUID-CRYSTAL SOLVENT
- 502 NEUBERT ME LASKOS SJ MAURER LJ CARLINO LT
FERRATO JP
MOLEC CRYST 44 197 78
PREPARATION OF LIQUID-CRYSTAL INTERMEDIATES - 4-
SUBSTITUTED ALKOXYBENZENES
- 503 NEUMEIST.K BARTH I HAHNEL S NIEMIEC C
LENZ U SCHMIDT P
RAD-RADIOH 19 337 78
(GE) USE OF LIQUID-CRYSTAL THERMOGRAPHY FOR
QUANTIFICATION OF RADIATION RESPONSES OF SKIN IN
EXPERIMENTAL RADIATION-THERAPY
- 504 NEWMAN BA FROSINI V MAGAGNIN.PL
ACS SYMP S 1978 71 78
INFLUENCE OF MESOMORPHIC ORDER ON PHYSICAL-
PROPERTIES OF POLY(PARA-BIPHENYL ACRYLATE) AND
RELATED POLYMERS
- 505 NEWTIN C PAPAHAJ.D
BIOPHYS J 21 A194 78
DIVALENT-CATION INTERACTION WITH ACIDIC
PHOSPHOLIPID VESICLES .1. CATION BINDING AND
ASSOCIATED CHANGES IN THERMOTROPIC TRANSITIONS
- 506 NGUYEN PX WROBEL S
ACT PHY P A 54 109 78
PYROELECTRIC EFFECT OCCURRENCE IN SMECTIC-C PHASE
OF 4,4'-DI-N-HEPTYLOXYAZOXYBENZENE (HOAB)

- 130 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 507 NGUYEN PX URBAN S WROBEL S KRESSE H
ACT PHY P A 54 617 78
EFFECT OF SMECTIC-C STRUCTURE ON DIELECTRIC-
RELAXATION PROCESSES IN 4,4'-DI-N-HEPTYLOXYAZOXY-
BENZENE (HOAB)
- 508 NN
KEM TIDSKR 90 14 78
(SW) LIQUID-CRYSTALS CHANGE COLORS
- 509 NOEL C BILLARD J
MOLEC CRYST 41 269 78
(FR) IDENTIFICATION OF NEMATIC MESOPHASE OF A
COPOLYAZOMETHINE BY ISOMORPHISM
- 510 NOETHE L
PHYS LETT A 68 448 78
NEW PROPAGATING MODE IN A SMECTIC A LIQUID-CRYSTAL
IN AN EXTERNAL MAGNETIC-FIELD
- 511 NORDEN B
APPL AP REV 14 157 78
APPLICATIONS OF LINEAR DICHROISM SPECTROSCOPY
- 512 NORDIO PL SEGRE U
MOLEC CRYST 47 185 78
MOLECULAR ORDERING IN LIQUID-CRYSTALS FROM
INCOHERENT QUASI-ELASTIC NEUTRON-SCATTERING
- 513 NYITRAI K CSER F CSERMELY G NGOC BD
FUZES L SAMAY G HARDY G
EUR POLYM J 14 467 78
POLYMERIZATION IN LIQUID-CRYSTALS .4.
POLYMERIZATION OF CHOLESTERYL-VINYL-SUCCINATE
- 514 ODAWARA K ISHIBASH.T TORIYAMA K KOHYAMA M
SAKURADA H
P SID 19 55 78
ALPHANUMERIC LIQUID-CRYSTAL DISPLAY SYSTEM FOR
PORTABLE COMPUTER TERMINALS
- 515 OGORODNI.KZ KOSHELEV SD
KRISTALLOGR 23 414 78
(RS) MELTING OF METASTABLE HARD-CRYSTALLINE FORMS
OF NEMATIC COMPOUND OF P-ETHOXYBENZYLIDENE-P'-N-
BUTYLANILINE
- 516 OGORODNI.KZ
KRISTALLOGR 23 987 78
(RS) RELATIONSHIP BETWEEN MEASURED AND THEORETICAL
CHARACTERISTICS OF ORIENTATIONAL ORDERING OF
MOLECULES IN A NEMATIC CRYSTAL

- 517 OI S ONISHI N YAMADA Y HONDA H
CARBON 16 445 78
INFLUENCE OF ORGANIC SULFUR-COMPOUNDS AND METALS
ON MESOPHASE FORMATION
- 518 OSTROVSK.BI RABINOV.I.AZ SONIN AS STRUKOV BA
TARASKIN SA
FERROELCTR 20 189 78
FERROELECTRIC PROPERTIES OF SMECTIC LIQUID-CRYSTAL
- 519 PARMAR DS MARTINOT.P
ANN PHYSIQ 3 275 78
DIELECTRIC MEASUREMENTS ON CHIRAL SMECTIC-C
LIQUID-CRYSTALS
- 520 PARNEIX JP CHAPOTON A
ACT PHY P A 54 667 78
DEPENDENCE OF THE ANISOTROPY OF MOLECULAR
POLARIZABILITY ON ALKYL CHAIN-LENGTH IN NEMATIC
HOMOLOGOUS SERIES
- 521 PARSONS JD
PHYS REV L 41 877 78
STRUCTURAL CRITICAL-POINT AT FREE-SURFACE OF A
NEMATIC LIQUID-CRYSTAL
- 522 PECHEY OT GRAHAM AB WOOD GC
BIOCHEM J 175 115 78
PHOSPHOLIPID-DEPENDENCE OF URIDINE-DIPHOSPHATE
GLUCURONYLTRANSFERASE - TEMPERATURE-DEPENDENCE OF
MICROSOMAL-ENZYME ACTIVITY AND THERMOTROPIC
CHANGES IN MEMBRANE STRUCTURE
- 523 PELZL G LEIER C
Z CHEM 18 114 78
(GE) PHASE CONVERSIONS OF LIQUID-CRYSTAL
MODIFICATIONS BY MEANS OF PHOTO-CHEMICAL
ISOMERIZATION
- 524 PELZL G VETTERS D DEMUS D
Z CHEM 18 408 78
(GE) ORDER DETERMINATION IN NEMATIC AND SMECTIC A-
PHASE OF 4-NITROPHENYL 4-OCTYLOXYBENZOATE USING
OPTICAL MEASUREMENTS
- 525 PENZ PA
P SID 19 43 78
VIEWING CHARACTERISTICS OF THE TWISTED NEMATIC
DISPLAY

- 132 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 526 PEREZ A BRUNET M PARODI O
J PHYS LETT 39 L353 78
COFOCAL CONICS IN SMECTICS-C
- 527 PEREZ E PROUST JE TERMINAS.L
COLLOID P S 256 784 78
STRUCTURAL DISJOINING PRESSURE IN THIN-FILM OF
LIQUID-CRYSTALS .1. THERMODYNAMICS AND FREDERIKSZ
TRANSITION WITH SURFACE FIELDS
- 528 PERSHIN VK ZHUKOV VS
FIZ TVERD T 20 1138 78
(RS) SOME PECULIARITIES OF MESOMORPHOUS TRANSITION
OF MOLECULAR CRYSTAL TO SMECTIC PHASE
- 529 PERSHIN VK
ACT CRYST A 34 S189 78
MOLECULAR CRYSTAL MESOMORPHISM UNDER EXTERNAL
TENSION INFLUENCE
- 530 PETERSON MA
B AM PHYS S 23 74 78
LIGHT-SCATTERING IN CHOLESTERIC LIQUID-CRYSTALS
- 531 PETROFF B PETROV M SIMOVA P ANGELOV A
ANN PHYSIQ 3 331 78
ELECTROHYDRODYNAMIC INSTABILITIES IN SMECTIC-C
- 532 PETROV M PETROFF B SIMOVA P
DAN BOLG 31 647 78
STORAGE EFFECT IN SMECTIC-C LIQUID-CRYSTAL
- 533 PIKIN SA INDENBOM VL
USP FIZ NAU 125 251 78
(RS) THERMODYNAMIC STATES AND SYMMETRY OF LIQUID-
CRYSTALS
- 534 PIKIN SA INDENBOM VL
FERROELECTR 20 151 78
PIEZOEFFECTS AND FERROELECTRICS PHENOMENA IN
SMECTIC LIQUID-CRYSTALS
- 535 PILIPOVI.VA KOVALYEV AA NEKRASOV GL RAZVIN YV
SERAK SV
DAN BSSR 22 36 78
(RS) LIGHT-INDUCED EFFECT IN NEMATIC LIQUID-
CRYSTALS
- 536 PINCUS P GENNES PG DE
J POL SCI 1978 85 78
NEMATIC POLYMERS

- 537 PINDAK R PELCOVIT.R MEYER RB
B AM PHYS S 23 353 78
TILT ANGLE MEASUREMENTS AT CHIRAL SMECTIC-C
SMECTIC-A PHASE-TRANSITION IN FREELY SUSPENDED
LIQUID-CRYSTAL FILMS
- 538 POETI G FANELLI E BRAGHETT.M
MOLEC CRYST 45 145 78
LIQUID-CRYSTALLINE PHASES IN 4-ACETYL-4'-N-
ALKANOYLOXY-AZOBENZENES
- 539 POHL L EIDENSCH.R KRAUSE J WEBER G
PHYS LETT A 65 169 78
NEMATIC LIQUID-CRYSTALS WITH POSITIVE DIELECTRIC
AND NEGATIVE DIAMAGNETIC ANISOTROPY
- 540 POHL L EIDENSCH.R
ANALYT CHEM 50 1934 78
HIGH-RESOLUTION NUCLEAR MAGNETIC-RESONANCE
SPECTROMETRY IN THERMOTROPIC NEMATIC LIQUID-
CRYSTALS WITH NEGATIVE DIAMAGNETIC ANISOTROPY
(LETTER)
- 541 POLLMANN P SCHERER G
BER BUN GES 82 1254 78
(GE) CHANGE IN PHASE-TRANSITION ORDER IN LIQUID-
CRYSTALS AT HIGH-PRESSURES
- 542 POPONOVA RV BOLOTIN BM CHUPAKHI.MS
J ANAL CHEM 33 1413 78
MASS-SPECTROMETRIC ANALYSIS OF ORGANIC-COMPOUNDS
AND THEIR MIXTURES EXHIBITING LIQUID-CRYSTAL
PROPERTIES
- 543 PORTE G JADOT JP
J PHYSIQUE 39 213 78
PHASE TRANSITION-LIKE INSTABILITY IN A STATIC
SAMPLES OF TWISTED NEMATIC LIQUID-CRYSTAL WHEN
SURFACES INDUCE TILTED ALIGNMENTS
- 544 PRESS MJ ARROTT AS
J PHYSIQUE 39 750 78
FLOW INDUCED GRANDJEAN LINES IN CHOLESTERIC
LIQUID-CRYSTALS
- 545 PRIEST RG
MOLEC CRYST 41 223 78
RENORMALIZATION GROUP CALCULATION APPLIED TO
NEMATIC-ISOTROPIC PHASE-TRANSITION

- 546 PROST J
J PHYSIQUE 39 639 78
SHEAR ELECTRICITY IN CHOLESTERIC
- 547 PROUST JE PEREZ E TERMINAS.L
COLLOID P S 256 666 78
(FR) THIN-FILMS OF NEMATIC LIQUID-CRYSTALS ON A
LIQUID SUPPORT - STRUCTURE, SURFACE TENSIONS AND
LINE TENSION
- 548 RADLEY K SAUPE A
MOLEC CRYST 44 227 78
STRUCTURE OF LYOTROPIC NEMATIC DECYLAMMONIUMCHLORI
DE AND BROMIDE SYSTEMS BY PMR OF MONOMETHYLTIN
COMPLEXES AND BY MICROSCOPIC STUDIES
- 549 RADLEY K SAUPE A
MOLEC PHYS 35 1405 78
CHOLESTERIC STATES OF MICELLAR SOLUTIONS
- 550 RAJAN VT WOO CW
PHYS REV A 17 382 78
ORIENTATION-AVERAGED PAIR CORRELATIONS IN A
MOLECULAR THEORY OF NEMATIC LIQUID-CRYSTALS
- 551 RASO AM RASO SM
PANMIN MED 20 113 78
LIQUID-CRYSTAL THERMOGRAPHY IN DIAGNOSIS OF
DUPUYTRENS CONTRACTURE
- 552 REHDER D PAULSEN K LECHERT H
Z NATURFO A 33 1597 78
QUADRUPOLE SPLITTING OF V-51 NMR SIGNALS IN
NEMATIC PHASES
- 553 RICHARDS.RM LEADBETT.AJ CARLILE CJ HOWELLS WS
MOLEC PHYS 35 1697 78
VERY HIGH-RESOLUTION INCOHERENT QUASI-ELASTIC
NEUTRON-SCATTERING STUDY OF SMECTIC-E PHASE, B-
PHASE AND A-PHASE OF DEUTERO NORMAL-BUTYL 4-(4'-
PHENYLBENZYLIDENEAMINO)CINNAMATE (D-BPBAC)
- 554 RICHARDS.RM LEADBETT.AJ FROST JC
ANN PHYSIQ 3 177 78
STRUCTURE AND DYNAMICS OF SMECTIC-B PHASE
- 555 RICHTER WJ KORTE EH
BER BUN GES 82 812 78
(GE) EXPERIMENTAL TEST OF APPROXIMATIVE CHIRALITY
FUNCTIONS - INDUCED CHOLESTERIC SOLUTIONS OF CHIRAL
METHANE-DERIVATIVES

- 556 RING K VANDIJCK P OPDENKAM.J GIER JD
H-S Z PHYSL 359 309 78
(GE) CORRELATIONS BETWEEN TEMPERATURE INDUCED
DEVELOPMENTAL ALTERATIONS IN MEMBRANE-
PERMEABILITY, LIPID-LEVEL AND THERMOTROPIC LIPID
PHASE-TRANSITIONS IN STREPTOMYCES-HYDROGENANS
- 557 RIUMTSEV EI POLUSHIN SG KOVSHIK AP ROTINIAN TA
TSVETKOV VN
DAN SSSR 239 1150 78
(RS) MOLECULAR MECHANISMS OF DIELECTRIC-RELAXATION
IN LIQUID-CRYSTAL 4-NITROPHENYLENE-4'-N-
OCTYLOXYBENZOATE
- 558 RODER M
RADIOCH RAD 33 389 78
RADIATION STABILITY OF SOME LIQUID-CRYSTALS
- 559 ROMERIO M
J MATH PHYS 19 802 78
ABSENCE OF ORDERING IN A CLASS OF REAL LIQUIDS-
APPLICATION TO NEMATIC LIQUID-CRYSTALS
- 560 RONDELEZ F URBACH W HERVET H
PHYS REV L 41 1058 78
ORIGIN OF THERMAL-CONDUCTIVITY ANISOTROPY IN
LIQUID-CRYSTALLINE PHASES
- 561 ROSENBLA.C PINDAK R CLARK NA MEYER RB
B AM PHYS S 23 353 78
MEASUREMENTS OF POLARIZATION, ELASTIC-CONSTANTS,
AND VISCOSITY IN FERROELECTRIC LIQUID-CRYSTAL
FILMS
- 562 ROSENCWA.A
ADV ELECTR 46 207 78
PHOTOACOUSTIC SPECTROSCOPY
- 563 ROSENHOL.JB HAKALA MR STENIUS P
MOLEC CRYST 45 285 78
ENTHALPIES OF LYOTROPIC LIQUID-CRYSTALLINE PHASES
.2. PARTIAL MOLAR ENTHALPIES OF LAMELLAR AND
HEXAGONAL PHASES IN SYSTEM N-PENTANOL-SODIUM N-
OCTANOATE-WATER
- 564 ROZHDEST.NB EIDNER K
V LENIN FIZ 1978 50 78
(RS) INVESTIGATION OF ORIENTATIONAL PAIR
CORRELATIONS IN ISOTROPIC PHASE OF LIQUID-CRYSTALS
AND THEIR SOLUTIONS IN CCL4 USING DEPOLARIZED
RAYLEIGH LIGHT-SCATTERING METHOD

- 136 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 565 RUSTICHE.F
ANN PHYSIQ 3 163 78
NEUTRON STUDIES OF LIQUID-CRYSTALS
- 566 RUXER JM SOLLADIE G
MOLEC CRYST 41 109 78
HELICAL TWISTING POWER OF CHIRAL SUBSTITUTED
DIBENZO |B,F|1,4-DIAZOCINES IN NEMATIC LIQUID-
CRYSTALS
- 567 RUXER JM SOLLADIE G CANDAU S
J CHEM R-S 1978 82 78
THERMAL RACEMIZATION BARRIERS DETERMINED BY PITCH
CHANGES IN LIQUID-CRYSTALS
- 568 RYUMTSEV EI KOVSHIK AP ADOMENOS PV DENITE YN
TSVETKOV VN
KRISTALLOGR 23 144 78
(RS) DIELECTRIC POLARIZATION AND ITS DISPERSION IN
LIQUID-CRYSTAL 4-N-OCTYLOXY-4'-CYANBIPHENYL
- 569 SAITO S YAMAMOTO H
JPN J A PHY 17 395 78
TRANSIENT BEHAVIORS OF FIELD-INDUCED REORIENTATION
IN VARIOUSLY ORIENTED NEMATIC LIQUID-CRYSTALS
- 570 SAKAMOTO K YOSHIDA R HATANO M TACHIBAN.T
J AM CHEM S 100 6898 78
LIQUID-CRYSTALS COMPOSED OF N-ACYLAMINO ACIDS .1.
CIRCULAR-DICHROISM AND SELECTIVE LIGHT
TRANSMISSION IN CHOLESTERIC LIQUID-CRYSTALS
COMPOSED OF N-ACYLAMINO ACIDS AND ORGANIC-SOLVENTS
- 571 SAMULSKI ET WIERCINS.R
B AM PHYS S 23 296 78
STRUCTURE PROPERTY CORRELATIONS IN THERMOTROPIC
POLYMERIC LIQUID-CRYSTALS
- 572 SANDROCK R KAMPHAUS.M SCHNEIDE.GM
MOLEC CRYST 45 257 78
HIGH-PRESSURE STUDIES OF PHASE-TRANSITION
ENTHALPIES OF LIQUID-CRYSTAL EBBA UP TO 2.5 KBAR
- 573 SCHAD H BAUR G MEIER G
APPL PHYS 17 177 78
INVESTIGATION OF ELECTRIC-FIELD INDUCED ELASTIC
DEFORMATIONS OF NEMATIC LIQUID-CRYSTALS BY
CAPACITY MEASUREMENTS
- 574 SCHADT M MULLER F
IEEE DEVICE 25 1125 78
PHYSICAL-PROPERTEIS OF NEW LIQUID-CRYSTAL MIXTURES
AND ELECTROOPTICAL PERFORMANCE IN TWISTED NEMATIC
DISPLAYS

- 575 SCHEFFER TJ
J APPL PHYS 49 5835 78
DISTORTED TWISTED NEMATIC LIQUID-CRYSTAL
STRUCTURES IN ZERO-FIELD
- 576 SCHERRER H
CHIMIA 32 64 78
(GE) LIQUID-CRYSTALS - EXAMPLES OF SYNTHESIS,
PROPERTIES AND APPLICATIONS
- 577 SCHNEIDE.F
Z NATURFO A 33 601 78
(GE) STUDY OF ELECTRICAL-CONDUCTIVITY IN NEMATIC
AND SMECTIC PHASES OF 4-ALKYLOXY-4'-CYANOBIPHENYLS
- 578 SCHULZE H SCHUMANN G
Z PHYS CH L 259 1037 78
(GE) MASS-TRANSFER DETERMINATION OF DIFFUSION-
COEFFICIENTS IN NEMATIC MBBA
- 579 SCUDIERI F PAPA T SETTE D BERTOLOT.M
ANN PHYSIQ 3 263 78
ACOUSTIC-EMISSION IN LIQUID-CRYSTALS
- 580 SCUDIERI F
ANN PHYSIQ 3 311 78
INSTABILITIES PRODUCED BY ULTRASOUNDS IN LIQUID-
CRYSTALS
- 581 SEELIG J WAESPESA.N
BIOCHEM 17 3310 78
MOLECULAR ORDER IN CIS AND TRANS UNSATURATED
PHOSPHOLIPID BILAYERS
- 582 SELIGER J ZAGAR V BLINC R
PHYS REV A 17 1149 78
N-14 NUCLEAR-QUADRUPOLE-RESONANCE STUDY OF
ORIENTATIONAL ORDERING IN SMECTIC PHASES OF
ACHIRAL TBBA AND CHIRAL TBACA
- 583 SENATRA D GIUBILAR.G
J COLL I SC 67 448 78
DIELECTRIC STUDY .1. CRITICAL PHENOMENA BEHAVIOR
IN PHASE-TRANSITION OF WATER-IN-OIL MICROEMULSIONS
- 584 SENATRA D GIUBILAR.G
J COLL I SC 67 457 78
DIELECTRIC STUDY .2. STRUCTURAL TRANSITIONS IN
LIQUID-CRYSTALLINE PHASE OF WATER-IN-OIL
MICROEMULSIONS

- 585 SHABANOV VF AVERYANO.EM ADOMENAS PV SPIRIDON.VP
ZH EKSP TEO 75 1926 78
(RS) STUDY OF ORIENTATION ORDERING IN UNIAXIAL
LIQUID-CRYSTALS BY COMBINATION SCATTERING
SPECTROSCOPY
- 586 SHAHINPO.M
RHEOL ACT 17 108 78
FURTHER COMMENTS ON STRESS TENSOR IN NEMATIC
LIQUID-CRYSTALS
- 587 SHARMA D GAUTIER J MERCKEL G
IEEE J SOLI 13 375 78
HIGH-VOLTAGE CIRCUIT FOR DRIVING LIQUID-CRYSTAL
DISPLAYS
- 588 SHIBAEV VP FREIDZON YS PLATE NA
VYSO SOED A 20 82 78
(RS) STRUCTURE AND PROPERTIES OF LIQUID-
CRYSTALLINE CHOLESTEROL-CONTAINING POLYMERS
- 589 SHIBAEV VP PLATE NA FREIDZON YS
ACS SYMP S 1978 33 78
THERMOTROPIC CHOLESTEROL-CONTAINING LIQUID-
CRYSTALLINE POLYMERS
- 590 SHIBAEV VP MOISEJEN.VM LUKIN NY KUZNETZO.NA
ROGANOVA ZA SMOLYANS.AL PLATE NA
VYSO SOED A 20 2122 78
(RS) COMB-LIKE LIQUID-CRYSTALLINE POLYMERS WITH
SIDE GROUPS MODELING SMECTIC TYPE OF LIQUID-
CRYSTALS
- 591 SHIBAOKA M UEDA S
FUEL 57 667 78
FORMATION AND STABILITY OF MESOPHASE DURING COAL
HYDROGENATION .1. FORMATION OF MESOPHASE
- 592 SHIBAOKA M UEDA S
FUEL 57 673 78
FORMATION AND STABILITY OF MESOPHASE DURING COAL
HYDROGENATION .2. DESTRUCTION OF MESOPHASE
- 593 SHIMODA S MADA H KOBAYASH.S
JPN J A PHY 17 1359 78
APPARENT THRESHOLD CHARACTERISTICS OF PRE-TILTED
LIQUID-CRYSTAL CELLS
- 594 SHIMOMUR.T MADA H KOBAYASH.S
JPN J A PHY 17 1879 78
COLOR TRANSIENT IN A NEMATIC LIQUID-CRYSTAL CELL

- 595 SHIPOV NV BELYAKOV VA
ZH EKSP TEO 75 1589 78
(RS) THEORY OF VAVILOV-CHERENKOV RADIATION IN
CHOLESTERIC LIQUID-CRYSTALS
- 596 SHIRAISH.M TERRIERE G OBERLIN A
J MATER SCI 13 702 78
ELECTRON-MICROSCOPIC STUDY ON GRAPHITIZATION OF
BULK MESOPHASES
- 597 SHIWA Y
J PHYS A 11 2045 78
CRITICAL DYNAMICS OF SMECTIC-A TO NEMATIC PHASE-
TRANSITION
- 598 SIDOROV NK NEDRANET.YI
OPT SPEKTRO 45 1014 78
(RS) DETERMINATION OF SIZES OF SCATTERING CENTERS
AND THEIR CONCENTRATION UNDER DYNAMIC LIGHT-
SCATTERING IN LIQUID-CRYSTALS BY THE METHOD OF
TURBIDITY SPECTRUM
- 599 SIGAUD G
MOLEC CRYST 41 129 78
EVIDENCE FOR AN HEXAGONAL PHASE IN TWISTED
NEMATICS
- 600 SIMOVA P KIROV N RATAJCZA.H VERGOTEN G
FLEURY G
MOLEC CRYST 46 137 78
DETERMINATION OF ELASTIC-CONSTANT K33 FOR SOME
NEMATIC LIQUID-CRYSTALS WITH STRONG POSITIVE
DIELECTRIC ANISOTROPY BY MEANS OF IR ABSORPTION
SPECTROSCOPY
- 601 SINGER LS
CARBON 16 409 78
MESOPHASE AND HIGH MODULUS CARBON-FIBERS FROM
PITCH
- 602 SKARP K CARLSSON T
MOLEC CRYST 49 75 78
INFLUENCE OF AN ELECTRIC-FIELD ON FLOW ALIGNMENT
ANGLE IN SHEAR-FLOW OF NEMATIC LIQUID-CRYSTALS
- 603 SKOULIOS A
ANN PHYSIQ 3 421 78
(FR) ORGANIZATION AND PHASE-DIAGRAMS OF
AMPHIPHILIC COMPOUNDS

- 140 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 604 SMITH GW
MOLEC CRYST 49 27 78
SOME EXTENDED RANGE NEMATIC LIQUID-CRYSTAL
MIXTURES
- 605 SMITH GW KAPLIT M
MOLEC CRYST 47 59 78
PHASE BEHAVIOR FOR LIQUID-CRYSTAL MIXTURES HAVING
LOW-FREQUENCY DIELECTRIC RELAXATION
- 606 SMITH JL CHRISTEN.CR
J OPT SOC 68 1377 78
4 APPLICATIONS OF LIQUID-CRYSTAL LIGHT VALVE IN
OPTICAL PROCESSING
- 607 SNYDER LC
J CHEM PHYS 68 291 78
DEUTERON QUADRUPOLE COUPLING IN MOLECULES
- 608 SOHL C MIYANO K KETTERSO.JB
B AM PHYS S 23 354 78
ANISOTROPIC SURFACE-WAVE PROPAGATION IN A NEMATIC
LIQUID-CRYSTAL
- 609 SOMASHEK.R REVANNAS.D MADHAVA MS SUBRAMHA.HS
KRISHNAM.D
MOLEC CRYST 45 243 78
BIREFRINGENCE OF SOME NEMATIC COMPOUNDS
- 610 SPEARMAN SA GOLDSTEI.JH
J MAGN RES 30 59 78
NMR-STUDIES OF PARA-SUBSTITUTED FLUOROBENZENE
DERIVATIVES ORIENTED IN A LYOTROPIC SOLVENT
- 611 STECKI J
ACT PHY P A 53 189 78
METASTABLE AND UNSTABLE STATES AT NEMATIC-
ISOTROPIC TRANSITION IN MEAN-FIELD LATTICE MODEL
- 612 STEIN DL PISARSKI RD ANDERSON PW
PHYS REV L 40 1269 78
BOOJUMS IN SUPERFLUID HE-3-A AND CHOLESTERIC
LIQUID-CRYSTALS
- 613 STEIN DL
PHYS REV B 18 2397 78
KOSTERLITZ-THOULESS PHASE-TRANSITIONS IN 2-
DIMENSIONAL LIQUID-CRYSTALS
- 614 STIEB AE LABES MM
MOLEC CRYST 45 21 78
NEW GENERATION PROCESS AND MATRIX REPRESENTATION
OF DISCLINATIONS IN NEMATIC AND CHOLESTERIC
LIQUID-CRYSTALS

- 615 SUGINO Y TAKAHASH.K
B CHEM S J 51 2527 78
H-1 AND F-19 NMR-STUDY OF PARA-CHLOROBENZYLIDYNE
TRIFLUORIDE PARTIALLY ORIENTED IN A NEMATIC PHASE
- 616 SUKHOVSK.AA MOSKVICH YN LUNDIN AG
KRISTALLOGR 23 1076 78
(RS) STUDY OF MOLECULAR ORDERING IN A NEMATIC
LIQUID-CRYSTAL OF NORMAL-(PARA-ETHOXYBENZYLIDENE)-
NORMAL'-PARA-BUTYLANILINE BY METHOD OF DOUBLE-
RESONANCE C-13-H-1
- 617 SUSSMAN A
J ELCHEM SO 125 C174 78
INITIATION OF OPERATING DEFECTS IN FIELD-EFFECT
LIQUID-CRYSTAL DISPLAYS
- 618 SUSSMAN A
J APPL PHYS 49 1131 78
TRANSPORT OF RESIDUAL IONS AND RECTIFICATION IN
LIQUID-CRYSTAL DISPLAY
- 619 SUZUKI K TORIYAMA K FUKUHARA A
APPL PHYS L 33 561 78
METHOD OF MEASURING LOW TILT BIAS ANGLE OF LIQUID-
CRYSTALS
- 620 SVERDLIK AY CHISTYAK.IG GORINA II BELILOVS.VD
V OPTALMOL 1978 83 78
(RS) LIQUID-CRYSTALS COLOR THERMOGRAPHY IN
OPHTALMOLOGY
- 621 TAKASE A SAKAGAMI S NAKAMIZO M
JPN J A PHY 17 1495 78
CONFORMATIONAL CHANGE OF LIQUID-CRYSTALLINE ETHYL-
4'-N-OCTYLOXY BIPHENYL CARBOXYLATE AT LIQUID-
CRYSTAL PHASE-TRANSITIONS
- 622 TAKEKOSH.M WATANABE N TAMAMUSH.B
COLLOID P S 256 588 78
COPPER STEARATE AS A THERMOTROPIC LIQUID-CRYSTAL
- 623 TALROSE RV KARAKHAN.FI BORISOVA TI BURSHTEI.LL
NIKONORO.NA SHIBAEV VP PLATE NA
VYSO SOED A 20 1835 78
(RS) LIQUID-CRYSTALLINE POLYMERS WITH AMINO-ACIDIC
FRAGMENTS IN SIDE-CHAINS
- 624 TAMURA N TAKATA S
APPL OPTICS 17 3051 78
THERMAL EMISSIVITY OF SEMITRANSSPARENT AND OPAQUE
FILMS OF CHOLESTERIC LIQUID-CRYSTAL

- 142 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 625 TANAKA H KUWATA K
B CHEM S J 51 2451 78
ESR STUDY ON MOLECULAR ALIGNMENT OF VARIOUS
NITROXIDES IN A NEMATIC LIQUID-CRYSTAL
- 626 TANAKA Y YAMAGUCHI F SHIRAKI M OKADA A
J POL SC PC 16 1027 78
RADICAL POLYMERIZATION OF VARIOUS ALKYL
METHACRYLATES IN LIQUID-CRYSTALLINE SOLVENTS
- 627 TANI C UENO T
APPL PHYS L 33 275 78
NEW ELECTROTHERMO-OPTIC EFFECT IN A CERTAIN
SMECTIC LIQUID-CRYSTAL WITH A PLEOCHROIC DYE ADDED
- 628 TAUPIN D GUYON E PIERANSKI P
J PHYSIQUE 39 406 78
(FR) LIGHT-PROPAGATION IN PERIODIC ANISOTROPIC
MATERIALS - APPLICATION TO CALCULATION OF
CONOSCOPY OF CHOLESTERIC AND CHIRAL SMECTIC-C
PHASES
- 629 TAYLOR RP HUANG CH BROCCOLI AV CHUN JK
ARCH BIOCH 187 197 78
NUCLEAR MAGNETIC-RESONANCE STUDIES OF AMPHIPHILE
HYDRATION - EFFECTS OF GEL-TO-LIQUID CRYSTALLINE
PHASE-TRANSITION ON HYDRATION OF DIOLEOL LECITHIN
- 630 THIERRY A SKOULIOS A LANG G
MOLEC CRYST 41 125 78
(FR) THERMOTROPIC POLYMORPHISM OF LAURYL
POLYGLUTAMATE
- 631 TIDY GJT LINDBLOM G LINDMAN B
J CHEM S F1 74 1290 78
NA-23 QUADRUPOLE SPLITTINGS IN LYOTROPIC LIQUID-
CRYSTALS - RELATIONSHIP TO ELECTRICAL DOUBLE-LAYER
THEORY AND ESTIMATES OF DOUBLE-LAYER DIMENSIONS
- 632 TIKHOMIR NA DONTSOVA LI PIKIN SA GINZBERG AV
ADOMENAS PV
KRISTALLOGR 23 1239 78
(RS) ORIENTATION OF NEMATIC LIQUID-CRYSTALS ON
CLEAVAGE SURFACE OF A TRIGLYCINE SULFATE CRYSTAL
- 633 TINH NH ZANN A DUBOIS JC BILLARD J
J PHYSIQUE 39 1283 78
(FR) NEW SERIES OF MESOGENIC COMPOUNDS WITH A
SMECTIC F-PHASE - SUCCESSION ORDER OF SMECTIC
MESOPHASES

- 634 TITOV VV ZVERKOVA TI KOVSHEV EI FIALKOV YN
SHELAZHE.SV YAGUPOLS.LM
MOLEC CRYST 47 1 78
SYNTHESIS AND MESOMORPHISM OF ARYL PARA-
FLUORALKYL(ALKOXY)BENZOATES
- 635 TODA A MADA H KOBAYASH.S
JPN J A PHY 17 261 78
TEMPERATURE-DEPENDENCE OF PRE-TILT ANGLE FOR
NEMATIC LIQUID-CRYSTALS
- 636 TOLMACHE.AV TISHCHEN.VG LISETSKY LN
ZH EKSP TEO 75 663 78
(RS) OPTICAL-PROPERTIES AND STRUCTURAL ORDERING OF
PLANE TEXTURE OF A CHOLESTERIC LIQUID-CRYSTAL
- 637 TSUJII K MINO J
J PHYS CHEM 82 1610 78
KRAFFT POINT DEPRESSION OF SOME ZWITTERIONIC
SURFACTANTS BY INORGANIC SALTS
- 638 TSYKALO AL BAGMET AD
MOLEC CRYST 46 111 78
MOLECULAR-DYNAMICS STUDY OF NEMATIC LIQUID-
CRYSTALS
- 639 TSYKALO AL BAGMET AD
CZEC J PHYS 28 1113 78
MOLECULAR-DYNAMICS STUDY OF NEMATIC LIQUID-CRYSTAL
ORIENTATION ORDERING
- 640 UKLEJA P DOANE JW
CHEM P LETT 53 105 78
SPIN-LATTICE RELAXATION MINIMA IN A LOW-
TEMPERATURE NEMATIC
- 641 URBACH W HERVET H RONDELEZ F
MOLEC CRYST 46 209 78
THERMAL-DIFFUSIVITY MEASUREMENTS IN NEMATIC AND
SMECTIC PHASES BY FORCED RAYLEIGH LIGHT-SCATTERING
- 642 URISU T KAJIYAMA K MIZUSHIM.Y
APPL OPTICS 17 2366 78
ORIENTATION CONTROL OF DYE MOLECULES IN A LIQUID-
CRYSTAL
- 643 USHER JR EPAND RM PAPAHAJ.D
CHEM PHYS L 22 245 78
EFFECT OF FREE FATTY-ACIDS ON THERMOTROPIC PHASE-
TRANSITION OF DIMYRISTOYL GLYCEROPHOSPHOCHOLINE

- 144 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 644 VALLAT JF MARTIN JC
J OPT 9 179 78
(FR) LIGHT REFRACTION BY A CHOLESTERIC PRISM UNDER
AN APPLIED MAGNETIC-FIELD
- 645 VANDERGI. J DELANGE CA
CHEM P LETT 56 121 78
F-19 SHIELDING ANISOTROPY OF PARA-
NITROFLUOROBENZENE FROM NEMATIC PHASE NMR
- 646 VANECK DC PERDECK M
MOLEC CRYST 49 39 78
EXPERIMENTAL-DATA ON ELASTICITIES AND VISCOSITIES
OF SOME NEMATICS
- 647 VANHECKE GR SANTARSI. BD THEODORE LJ
MOLEC CRYST 45 1 78
PHYSICAL STUDIES OF HOMOLOGOUS TRANS-4-ETHOXY-4'-
N-ALKANOYLOXYAZOBENZENES - BIREFRINGENCE
- 648 VANHECKE GR THEODORE LJ
J PHYS CHEM 82 1669 78
DILATOMETRY OF BINARY NEMATOGENIC MIXTURES - 4-
ETHOXY-4'-PENTANOYL-NONANOYLOXYAZOBENZENE AND 4-
ETHOXY-4'-NONANOYLOXYAZOBENZENE
- 649 VANNI HC LYERLA JR
ABS PAP ACS 176 164 78
TEMPERATURE-DEPENDENT STUDY OF C-13 SPIN-LATTICE
RELAXATION-TIMES IN A NEMATIC AND A SMECTIC-A
LIQUID-CRYSTAL
- 650 VARNEY JC DAVIS LE
ELECTR LETT 14 25 78
EFFECT OF SURFACE PREPARATION ON VOLTAGE TRESHOLD
IN LIQUID-CRYSTAL PHASE-CHANGE CELLS
- 651 VARNEY JC
WIREL WORLD 84 45 78
LIQUID-CRYSTALS
- 652 VAUSE C SAK J
PHYS REV B 18 4842 78
THEORY OF THE LANDAU CRITICAL-POINT .2. LOW-
TEMPERATURE RENORMALIZATION GROUP AND 1-N
EXPANSION
- 653 VERMA SP WALLACH DFH
BIOPHYS J 21 A128 78
THERMOTROPISM IN MIXED LIPID SYSTEMS

- 654 VERNON F KHAKOO AN
J CHROMAT 157 412 78
COMPARISON OF BENTONE AND LIQUID-CRYSTAL
STATIONARY PHASES FOR GAS-CHROMATOGRAPHIC
SEPARATION OF ISOMERS
- 655 VISTIN LK CHISTYAK.IG CHUMAKOV.SP PARKHOME.VV
KRISTALLOGR 23 346 78
(RS) NEW TYPE OF ELECTROHYDRODYNAMIC INSTABILITY
IN NEMATIC CRYSTALS
- 656 VOLINO F DIANOUX AJ
MOLEC PHYS 36 389 78
NEUTRON INCOHERENT-SCATTERING LAW FOR DIFFUSION IN
A COSINE POTENTIAL IN ONE DIMENSION - APPLICATION
TO SELF-DIFFUSION IN SMECTIC PHASES
- 657 VOLINO F DIANOUX AJ
ANN PHYSIQ 3 151 78
OCTAPHENYLCYCLOTETRAILOXANE (OPCTS) - NEW KIND OF
MESOPHASE
- 658 VORA RA
MOLEC CRYST 44 83 78
THERMOTROPIC LIQUID-CRYSTALS .1. PARA-NORMAL-
ALKOXYBENZYLIDENE-PARA-BROMOANILINES
- 659 VRIES A DE
MOLEC CRYST 49 49 78
DIFFERENCE BETWEEN SOLID CRYSTALS AND LIQUID-
CRYSTALS WITH 3-DIMENSIONAL ORDER
- 660 VUKS MF ROZHDEST.NB EIDNER K
OPT SPEKTRO 45 914 78
(RS) DETERMINATION OF OPTICAL ANISOTROPY OF
MOLECULES OF SOME LIQUID-CRYSTALS FORMED ON THE
BASE OF TOLAN AND BENZAL ANILINE
- 661 WALMSLEY RH SHPORER M
J CHEM PHYS 68 2584 78
SURFACE-INDUCED NMR LINE SPLITTINGS AND AUGMENTED
RELAXATION RATES IN WATER
- 662 WALSH MF WYNJONES E TIDDY G
BER BUN GES 82 1015 78
ULTRASONIC RELAXATION MEASUREMENTS IN LYOTROPIC
LIQUID-CRYSTALS
- 663 WALTER KH TAUER MK
IEEE DEVICE 25 172 78
PULSE-LENGTH MODULATION ACHIEVES 2-PHASE WRITING
IN MATRIX-ADDRESSED LIQUID-CRYSTAL INFORMATION
DISPLAYS

- 146 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 664 WALTER KH TAUER MK
IEEE J SOLI 13 98 78
PULSE-LENGTH MODULATION ACHIEVES 2-PHASE WRITING
IN MATRIX-ADDRESSED LIQUID-CRYSTAL INFORMATION
DISPLAYS
- 665 WALTERMA.T
PHYS LETT A 69 208 78
CRITICAL RADIUS FOR HOMEOTROPIC NEMATIC LC DOMAINS
- 666 WEDEL H HAASE W
CHEM P LETT 55 96 78
SUBSTITUTED PHENYLCYCLOHEXANES AND
CYCLOHEXYLCYCLOHEXANES - 2 NEW CLASSES OF LIQUID-
CRYSTALS AS ANISOTROPIC SOLVENTS IN OPTICAL-
ABSORPTION SPECTROSCOPY
- 667 WENDORFF JH FINKELMA.H RINGSDOR.H
ACS SYMP S 1978 12 78
X-RAY-DIFFRACTION STUDIES ON MESOMORPHIC ORDER IN
POLYMERS
- 668 WENNERST.H PERSSON NO LINDBLOM G LINDMAN B
TIDY GJT
J MAGN RES 30 133 78
CHEMICAL-SHIFT ANISOTROPIES OF CS-133(+)
COUNTERIONS IN LYOTROPIC LIQUID-CRYSTALS
- 669 WERETA A GEHATIA MT WIFF DR
POLYM ENG S 18 204 78
MORPHOLOGICAL AND PHYSICAL PROPERTY EFFECTS FOR
SOLVENT CAST FILMS OF POLY-2, 5(6) BENZIMIDAZOLE
- 670 WHITE JL ZIMMER JE
CARBON 16 469 78
TWIST DISCLINATIONS IN THE CARBONACEOUS MESOPHASE
- 671 WITKIEWI.Z SUPRYNOV.Z WOJCIK J DABROWSK.R
J CHROMAT 152 323 78
SEPARATION OF ISOMERS OF SOME DISUBSTITUTED
BENZENES ON LIQUID-CRYSTALLINE STATIONARY PHASES
IN SMALL-BORE PACKED MICRO-COLUMNS
- 672 WITKIEWI.Z POPIEL S
J CHROMAT 154 60 78
SEPARATION OF CLOSE-BOILING COMPOUNDS ON LIQUID-
CRYSTALLINE STATIONARY PHASES
- 673 WITKIEWI.Z SUPRYNOV.Z WOJCIK J DABROWSK.R
POL J CHEM 52 1495 78
PROPERTIES OF PARA-CYANO, PARA'-
ALKYLOXYAZOXYBENZENE LIQUID-CRYSTALS AS STATIONARY
PHASES IN SMALL-BORE PACKED-COLUMNS

- 674 WONG TC ASHE AJ
J MOL STRUC 48 219 78
NUCLEAR MAGNETIC-RESONANCE STUDIES OF MOLECULAR-
STRUCTURES OF PHOPHABENZENE AND ARSABENZENE
PARTIALLY ORIENTED AN A NEMATIC SOLVENT
- 675 WONG TC KOVAL KJ
J MOL STRUC 50 91 78
NUCLEAR MAGNETIC-RESONANCE STUDY OF MOLECULAR-
STRUCTURE OF 1,3-BENZODIOXOLE AND 1,3-INDANDIONE
PARTIALLY ORIENTED IN NEMATIC SOLVENTS
- 676 WOOTEN JB SAVITSKY GB BEYERLEI.AL JACOBUS J
J MAGN RES 29 35 78
ISOTOPE EFFECTS ON CARBON-HYDROGEN BOND
ORIENTATION OF METHYL-IODIDE IN NEMATIC PHASE
- 677 WULF A DOANE JW
MOLEC CRYST 41 115 78
NOTE ON NQR MEASUREMENT OF BIAXIAL ORDER
PARAMETERS IN LIQUID-CRYSTALS
- 678 WULF A
PHYS REV A 17 2077 78
ORIENTATIONAL PHASE-TRANSITION OF TILTED MOLECULES
MOVING IN A PLANAR LAYER - TENTATIVE MODEL FOR
SMECTIC-C PHASE
- 679 WULF A
MOLEC CRYST 47 225 78
PHENOMENOLOGICAL MODEL FOR SMECTIC-C PHASES WITH
SEPARATE TILT ANGLES FOR LAYER THICKNESS AND
OPTICAL-AXIS
- 680 YAKOVENK.SS CHISTYAK.IG VISTIN LK
OPT SPEKTRO 44 777 78
(RS) USE OF METHOD OF LIGHT-SCATTERING FOR
DETERMINATION OF TEXTURE OF A LIQUID-CRYSTALLINE
SAMPLE IN MODE OF DYNAMIC SCATTERING
- 681 YAMADA H YAMAMOTO Y FUKUMURA K TAMAMUSH.B
CHEM LETT 1978 345 78
RAMAN-SPECTRA OF ALIGNED THIN-FILMS OF NEMATIC
LIQUID-CRYSTAL (MBBA)
- 682 YAMADA Y OUCHI K SANADA Y SOHMA J
FUEL 57 79 78
STUDY OF CARBONACEOUS MESOPHASE THROUGH ESR-
SPECTRA OF VANADYL CHELATES

- 148 W. FEHRENBACH, R. DREHER, AND G. MEIER
- 683 YAMAMOTO R ISHIHARA S HAYAKAWA S MORIMOTO K
PHYS LETT A 69 276 78
KERR CONSTANTS AND RELAXATION-TIMES IN THE
ISOTROPIC PHASE OF NEMATIC HOMOLOGOUS SERIES
- 684 YAMASHITA M AMEMIYA Y
JPN J A PHY 17 1513 78
DRIFT MOBILITY OF POSITIVE-IONS IN NEMATIC MBBA AT
LOW ELECTRIC-FIELD
- 685 YANO S HAYASHI Y AOKI K
J CHEM PHYS 68 5214 78
DIELECTRIC RELAXATIONS IN A FEW BINARY-MIXTURES OF
PARA-METHOXYBENZYLIDENE-PARA'-NORMAL-BUTYLANILINE
AND A NEMATOTIC OR NON-MESOTIC COMPOUND
- 686 YO CH POUPKO R HORNREICH R M
CHEM P LETT 54 142 78
EPR STUDY OF A SPINNING NEMATIC LIQUID-CRYSTAL IN
A TILTED MAGNETIC-FIELD
- 687 YOSHINO K BALAKRISHNAN K UEMOTO T IWASAKI Y
INUISHI Y
JPN J A PHY 17 597 78
ELECTRO-OPTICAL EFFECT IN FERROELECTRIC SMECTIC
LIQUID-CRYSTAL
- 688 YOSHINO K UEMOTO T BALAKRISHNAN K YANAGIDA S
INUISHI Y
FERROELECTR 19 168 78
ELECTRICAL AND OPTICAL-PROPERTIES OF FERROELECTRIC
SMECTIC LIQUID-CRYSTAL AND ITS APPLICATION
- 689 YOUNG CY PINDAK R CLARK NA MEYER RB
PHYS REV L 40 773 78
LIGHT-SCATTERING STUDY OF 2-DIMENSIONAL MOLECULAR-
ORIENTATION FLUCTUATIONS IN A FREELY SUSPENDED
FERROELECTRIC LIQUID-CRYSTAL FILM
- 690 ZEMINDER AK JHA B PAUL S PAUL R
MOLEC CRYST 48 183 78
STRUCTURE OF CHOLESTERYL PROPIONATE IN MESOMORPHIC
STATE
- 691 ZHUKOV VS PERSHIN VK
ACT CRYST A 34 S189 78
STRUCTURAL-CHANGE PROGRESSES IN A SMECTIC LIQUID-
CRYSTAL
- 692 ZIELINSKI J NOWINOWSKI E DABROWSKI R ZMIJA J
ACT CRYST A 34 S189 78
INVESTIGATION OF ELECTROOPTICAL PROPERTIES IN
NEMATIC BIPHENYL - CHOLESTERIC MIXTURES

- 693 ZUMER S VILFAN M
PHYS REV A 17 424 78
THEORY OF NUCLEAR-SPIN RELAXATION BY TRANSLATIONAL
SELF-DIFFUSION LIQUID-CRYSTALS - NEMATIC PHASE
- 694 ZUMER S VILFAN M
J MOL STRUC 46 475 78
TRANSLATIONAL DIFFUSION IN SMECTIC LIQUID-CRYSTALS
AND ITS EFFECT ON NUCLEAR-SPIN RELAXATION
- 695 ZWART M DE
J PHYSIQUE 39 423 78
DISTORTION OF CHOLESTERIC PLANAR TEXTURE IN
LIQUID-CRYSTALS WITH A NEGATIVE DIELECTRIC
ANISOTROPY

AUTHOR INDEX

(1978)

AADSEN D	144			ATKINSON ER	411		
ACHARD MF	277			AVADHANL.MN	354		
ADAM M	1			AVERYANO.EM	38	39	585
ADAMSKI P	2	3	4	AXEL F	40		
	5			AZIMA A	41		
ADEOSUN SO	6	7		AZMAN A	100		
ADOMENAS PV	270	271	585	BABAEV AS	42		
	632			BADALYAN DA	43		
ADOMENOS PV	568			BAGMET AD	638	639	
AFTERGUT S	156			BAHADUR B	275		
AGARWAL VK	34	35	275	BALAKINA MM	139		
AGRANOV.I.M	244			BALAKRIS.KG	687	688	
AHMADI G	8			BARAKAT R	252	253	
AIZAWA M	9	10		BARAN JW	44	45	46
AJGAONKA.DB	340				47	171	
AKAHOSHI S	472			BARBERIN F	48		
ALBERTIN.G	11	12	13	BARILI PL	132		
ALBON N	14			BARNIK MI	49	50	51
ALBRAND JP	15			BARRATT PJ	52		
ALBRECHT O	16			BARTH I	503		
ALI AA	17			BARTOLIN.R	53	54	55
ALIYEV DF	135			BASSIGNA.I	385	386	
ALLENDER DW	18	19		BATA L	56	57	315
ALLET C	20			BAUER HJ	58		
ALSNIELS.J	21	22		BAUR G	573		
AMARAL LQ	23			BEGUIN A	203		
AMEMIYA Y	684			BELILOVS.VD	620		
ANDERSON PW	612			BELOUSOV VP	139		
ANGELL CL	24			BELOV DA	59		
ANGELOV A	531			BELYAEV SV	60	83	
ANIKIN AM	25			BELYAEV VV	61		
ANTHONY KH	26			BELYAKOV VA	595		
ANUFRIEV.EV	244			BELYAYEV SV	50		
AOKI K	685			BELYAYEV VV	62		
APFEL MS	27			BENABRAH.SI	63		
APRIL EW	28	29		BENATTAR JJ	64		
ARAI H	455			BENGUIGU.L	65	66	67
ARAKELYA.SM	30	31			463		
ARMITAGE D	32	33		BERESNEV LM	68		
ARONISHI.SN	134			BEREZIN NP	95		
ARORA VP	34	35		BEREZIN VI	69		
ARROTT AS	544			BERGMANN K	70		
ARUSHANY.LE	30			BERNARDI.JE	71		
ARVIDSON G	36			BERTOLOT.M	72	579	
ASAHARA T	353			BEYERLEI.AL	676		
ASHE AJ	674			BHATTACH.S	73	74	75
ASHER SA	37			BILDINOV KN	488		

LIQUID CRYSTALS

151

BILLARD J	76	77	509	BUKHAROV BN	223		
	633			BULKIN BJ	117		
BILTONEN RL	483			BULL JM	411		
BIRGENEA.RJ	21	22	78	BURSHTEI.LL	623		
BLEHA WP	79			BURSKY D	118		
BLINC R	80	81	82	BYATT DWG	119		
	582			BYRON DJ	120		
BLINOV LM	49	68	83	CABARET D	48		
BLOOM A	84			CABIB D	65	67	224
BLUMSTEI.A	85	86	87	CANDAU S	416	567	
	148			CARLE DL	121		
BLUMSTEI.RB	86			CARLILE CJ	553		
BOBBEL G	88			CARLINO LT	502		
BOBROV VI	89			CARLSSON T	602		
BOCK E	191	305		CARR SG	122		
BOCK M	90			CASAGRAN.C	200		
BOCQUET JF	91			CASASENT D	79		
BODEGOM E	92			CASTRO CA	123	124	
BOEHM RE	93			CATES DM	403		
BOGACHEV NV	69			CEREGETH.M	96		
BOGARDUS RK	144			CHABAN IA	125	375	
BOHLIN L	94			CHAN WK	126		
BOIX M	417			CHANDRAS.S	127		
BOLGAR VA	95			CHAPMAN D	128		
BOLLER A	96			CHAPOTON A	520		
BOLOTIN BM	189	542		CHAPOY LL	129		
BONSOR DH	97			CHARLES JA	130		
BORDEWIJ.P	98	319		CHARVOLI.J	131		
BORISOVA TI	623			CHEN JH	432		
BORONKAY S	99			CHERNOVA NI	431		
BOROWSKI F	44			CHERNOVA OP	395	396	
BORSTNIK B	100			CHEVARIN B	48		
BOS PJ	101	102		CHIDICHI.G	132		
BOSIGER H	184			CHIGRINO.VG	61	62	133
BOTHOREL P	103			CHILAYA GS	134	329	
BOTT CC	104			CHILINGA.YS	30	31	
BOULIGAN.Y	105	106	107	CHIRKOV VN	135		
BRAGHETT.M	538			CHISTYAK.IG	262	392	620
BRAUN P	108				655	680	
BRAZOVSK.SA	109			CHMIELEW.A	136		
BRENMAN M	427	428		CHO A	137		
BREZINSK.K	117			CHO C	137		
BRISBIN DJ	110			CHO CYL	137		
BROCCOLI AV	629			CHO L	137		
BRODY TP	436			CHO MH	137		
BRODZELI MI	134			CHRISTEN.CR	606		
BROWN A	111			CHU WH	138		
BROWN CW	41			CHUMAKOV.SP	655		
BROWN HB	79			CHUMAKOV.SV	370		
BRUCHMUL.HG	112			CHUN JK	629		
BRUNET M	526			CHUPAKHI.MS	542		
BRUNO GV	113	208		CHURYUSO.TG	139		
BRYAN RF	114	115		CHUVYROV AN	140	141	426
BUALEK S	369			CHWASTIA.S	142		
BUCZEK DM	116			CLAASSEN WA	318		
BUKA A	57			CLADIS PE	143	144	272

CLADIS PE	273			DOLLING W	181		
CLARK MG	145			DONG RY	190	191	305
CLARK NA	146	147	561	DONTSOVA LI	632		
	689			DOROSHKI.AA	485		
CLOUGH SB	86	148		DOUCET J	55	192	193
COATES D	149	150	151	DOUY A	194		
	152	153		DOWELL F	195	196	197
					198		
COCHE A	338			DOZOV IN	199		
COELHO R	92			DSIDOCKY R	389		
COGNARD J	154			DUBAULT A	200		
COGNE A	15	155		DUBOIS JC	77	201	202
COLE HS	156				203	633	
COLES HJ	157	158		DUBOISVI.E	204	205	
COLLETT GW	159	160		DUNLEAVY JK	206		
COLLINGS PJ	161	162		DUNMUR DA	206		
CONRAD HM	163	164		DUPRE DB	129		
CORBUSIE.C	296			DURAND G	53	54	55
CORINALD.M	12			DUTCHAK YI	207		
COTTER MA	165	166		DYLIKGR0.A	3		
COX RW	167			EASTMAN MP	113	208	
CROSSLAN.WA	151	152		EBINA Y	362	464	465
CSER F	168	513		EGGE H	412		
CSERMELY G	513			EGGERS F	246		
CUCULESC.I	169			EIDENSCH.R	209	539	540
CVIKL B	170			EIDNER K	564	660	
CZYZEWSK.R	4	5		ELBAUM C	123	124	
DABROWSK.R	171	671	673	EMSLEY JW	210	211	212
	692			ENGELEN B	213	214	
DANIEL MF	172			EPAND RM	643		
DANIELS WB	422			ERDMANN D	209		
DAVE JS	173	174		ERICKSEN JL	215		
DAVIS LE	650			ERINGEN AC	216		
DEBRUYNE J	413			ERMAKOV AA	484		
DEHOFF RJ	322			EVANS GJ	217	218	219
DELANGUE CA	645			EVANS J	212		
DELAYE M	175			EVANS MW	217	218	219
DEMICHIEL.F	176			EXON CM	211		
DEMUS D	344	379	381	FABER TE	250		
	383	524		FABRE C	48		
DENIS R	177			FAETTI S	220		
DENITE YN	568			FAHEY PF	221		
DERRIDA B	106			FANELLI E	538		
DERZHANS.AI	178	179	180	FANSLOW GE	222		
DESABARR.FC	81			FEDOSEEV SD	223		
DEUTSCHE.HJ	181	380	381	FEDYSHIN MI	207		
DEVRIES A	148			FELSTEIN.J	224		
DEWEY AG	182			FERGASON JL	225	226	
DIANOUX AJ	183	656	657	FERNANDE.JR	227		
DIEHL P	184	185	186	FERRATO JP	502		
DIELE S	187			FIALKOV YN	634		
DIOGO AC	454			FILAS RW	228	229	
DION JL	188			FILEV VM	230		
DOANE JW	18	101	102	FILIPPIN.JC	231	232	
	640	677		FILYEV VM	109		
DOBRIN VA	469			FINKELMA.H	233	234	235
DOLGANOV VK	189						

LIQUID CRYSTALS						153
FINKELMA.H	236	237	238	GRAY GW	258	259 265
	239	240	667		266	
FISHEL DL	389			GREBENKI.MF	50	
FISHER RF	269			GRIBANOV AV	267	
FLANDERS DC	241			GRIFFIN AC	268	269
FLEURY G	600			GRIGORYA.GL	31	
FONTELL K	36	94		GRINBERG J	79	
FORCIER P	114			GROZHIK VA	270	271
FRACKOWI.D	242			GRULER H	16	
FRANK SG	332			GUILLON D	272	273 274
FRANKLIN WM	63			GUPTA GK	275	
FRAY AF	243			GUTIERRE.AR	208	
FREIDZON YS	244	588	589	GUYON E	628	
FRIBERG S	482			HAASE W	666	
FRIEDMAN Z	224			HAHNEL S	503	
FRISCHKO.CG	163			HAKALA MR	563	
FRONZONI L	220			HALLE GP	276	
FROSINI V	504			HALSEY MJ	483	
FROST JC	554			HANMURA H	328	
FUJIWARA FY	245			HAPP M	235	238
FUJIWARA K	492			HARDOUIN F	277	
FUKUHARA A	619			HARDY G	168	513
FUKUMURA K	681			HARENG M	278	407
FUNCK T	246			HARRINGT.JK	113	
FUZES L	513			HATANO M	570	
FYFE CA	247			HATTA A	279	
GALERNE Y	248	249		HAVEN T	33	
GALLAGHE.TJ	92			HAVENS SJ	269	
GALLOT B	194			HAYAKAWA S	683	
GANGUILL.C	154			HAYASHI H	280	
GANNON MGJ	250			HAYASHI Y	685	
GARA AD	251	323		HAYES CF	281	322
GAROFF S	252	253	254	HEGGEMEI.H	376	
GASPAROU.H	277			HEINZE E	282	283
GAUSS W	255			HELFRICH W	284	
GAUTIER J	587			HEMPEL G	360	
GEHATIA MT	669			HEPPKE G	213	285 286
GENNES PG DE	1	536		HERMAN RM	287	
GERMAIN JP	48			HERVET H	288	289 560
GEVORKYA.EV	256				641	
GIER JD	556			HESTER WA	436	
GINZBERG AV	632			HIKATA A	123	
GIROUD AM	211	257		HILLNER B	108	
GIUBILAR.G	583	584		HILSUM C	243	290
GLOGAROV.M	366			HILTROP K	291	292
GOLDSTEI.JH	610			HIRANO M	9	10
GOODY JW	258	259	265	HO JT	293	302 420
GORINA II	262	620			421	
GORODETS.EE	260			HOCHAPFE.A	408	
GOUNDER RN	261			HOFFMANN J	294	
GOVORKOV VG	262			HOFFMANN S	295	
GRACHEVA NP	263			HOLDEN RJ	290	
GRAHAM AB	522			HOLZBACH RT	296	
GRANDE S	108	282	283	HONDA H	309	310 517
GRANT B	264			HONDA T	297	
GRAY GW	149	150	210	HONG CE	75	

HOPF R	213			KAPUSTIN.OA	329	330	
HORN RG	298	299	300	KARAKHAN.FI	623		
HORNREIC.RM	686			KATO K	333	334	
HOWELLS WS	553			KATS EI	327	331	
HSI S	301			KATS ML	69		
HSU EC	86			KAVALIUN.DR	332		
HUANG CH	629			KAWACHI M	333	334	
HUANG CT	302			KAWAKAMI H	328		
HUEY MW	303			KAWAMURA H	335		
HUMPHRIE.RL	304			KAYSER RF	336		
HUNG PLK	84			KEDZIER.S.J	44	45	46
HUTH BG	182				171		
HUTTON H	305			KELKAR VK	446	448	
HUUTINH N	77			KELLER P	337		
IIZUKA E	306	307	365	KERLLENE.B	338		
IIZUKA K	490	491		KERN F	339		
ILCHISHI.IP	308			KETTERSO.JB	73	74	608
IMAMURA T	309	310		KEYES PH	340	341	422
IMBERT C	417			KEYSER S	342		
INAGAKI Y	335			KHACHATU.AG	43		
INDENBOM VL	262	533	534	KHAKOO AN	654		
INUISHI Y	687	688		KHATAEVI.VI	343		
ISHIBASH.S	335			KHODZHAE.VL	344		
ISHIBASH.T	514			KHOKHLOV AR	345		
ISHIHARA S	683			KHOO SK	122		
ISHII Y	311			KIM Y	346		
IVANOV BB	51			KING GP	453		
IVANOV VA	326			KINI UD	347		
IVCHENKO SP	134			KIRJANOV SV	348		
IWASAKI Y	687			KIROV N	349	600	
JACOBS JT	138	182		KIRY F	350	351	
JACOBUS J	676			KISE H	352	353	
JADOT JP	543			KISHIMOT.H	474	475	
JAHNIG F	312			KISHORE PR	354		
JANIK JA	313			KIZEL VA	83		
JANOSSY I	314	315		KLEINERT H	355		
JASINSKI A	316			KLEMAN M	20	300	356
JENKINS JT	317				357	358	359
JEU WH DE	98	318	319	KLIMCZYK S	2		
	320	321		KLIMOV II	485		
JHA B	690			KLOSE G	360		
JOHANSSO.LB	36			KLYUKIN LN	361		
JOHNSON DL	110	322	441	KOBAYASH.S	494	593	594
JOHNSON JF	167				635		
JONES D	243			KOGA K	464		
JOSEPH BW	323			KOGURE O	333	334	
JOST SR	324			KOHNO T	362	465	
JOURNEAU.R	325			KOHYAMA M	514		
KACHINSK.VN	326			KOLBE A	378		
KAJIYAMA K	642			KOLDEHOF.J	239		
KAMENSKY VG	327			KOLTZOV AI	267		
KAMPHAUS.M	572			KOMAROV PS	486		
KANEKO E	328			KOMPANET.IN	484	485	
KANETI H	394			KON SH	363		
KAPLAN M	21	22		KONARSKI P	364		
KAPLIT M	605			KONDO Y	365		

LIQUID CRYSTALS

155

KONIG S	379			LAGUNOV AS	25		
KONSTANT.II	344			LAIDLAW WG	121		
KONSTANT.VP	366			LAL HB	400		
KORTE EH	367	368	369	LALANNE JR	103		
	376	555		LAMBERT M	192		
KOSHELEV SD	515			LANG G	630		
KOSHKIN NI	370			LAPRICE WJ	401		
KOSTNER GM	399			LARSSON K	402		
KOTHE G	371			LASKIN DM	27		
KOVAC CA	372	418		LASKOS SJ	502		
KOVAL KJ	675			LAVENU JC	201		
KOVALYEV AA	535			LAWTON EL	403		
KOVSHOV EI	634			LAZAREVA VT	25		
KOVSHIK AP	557	568		LEADBETT.AJ	97	172	404
KOZAWAGU.H	373	374			553	554	
KOZHEVNI.EN	375			LEBEDEV VI	95	405	
KRABBE HJ	376			LEBEDEV VP	406		
KRAMAREN.NL	377			LEBEDEVA VE	405		
KRAUS G	378			LEBERRE S	278	407	
KRAUSE J	209	539		LEBRUN J	416		
KRESSE H	379	380	381	LECHERT H	552		
	382	383	507	LECOIN D	408		
KRIGBAUM WR	384			LEE AG	409		
KRISHNAM.D	609			LEENHOUT.F	320	410	
KRONBERG B	385	386		LEES DE	411		
KRONENBI.J	255			LEIER C	523		
KRUGER GJ	387			LEISS O	412		
KRUPKOWS.T	364	388		LEKKERKE.HN	121	413	
KTORIDES PI	389			LELJ F	132		
KUBISTA E	390			LEMBRIKO.BI	414		
KUBITZ A	391			LENZ U	503		
KUCERA H	390			LESLIE FM	145		
KUCZYNSK.W	294			LESTER R	415		
KUDRYASH.TP	392			LETCHER S	416		
KUKHTARE.NV	393			LETCHER SV	75		
KUMANOVA M	394			LEVELUT AM	64	192	
KUNIEDA T	471			LEVY Y	417		
KUNWAR AC	184	185	186	LEWIS IC	24	142	372
KURAHASH.K	455				418	419	
KURDYUMO.GM	395	396		LEWIS J	191		
KURMER J	342			LIAO Y	398		
KURNOSOV IV	377			LIM KC	293	420	421
KUROSABA K	297			LIMMER S	108		
KURUCSEV T	104			LIN WJ	422		
KUWATA K	625			LINDBLOM G	36	423	631
KUZNETSO.OY	469				668		
KUZNETZO.NA	590			LINDMAN B	423	631	668
KWIATKOW.JH	397			LIPTON LT	79		
KWOK SK	398			LISETSKI.LN	392	424	
LAASER B	181			LISETSKY LN	636		
LABES MM	614			LITSTER JD	21	22	78
LACEY D	120			LIVINGST.CJ	425		
LACHINOV AN	140			LOBASTOV.SA	426		
LAGERWAL.ST	461			LOEWENST.A	427	428	
LAGGNER P	399			LOHMAN JAB	429		
LAGOMARS.S	11	13		LOPATNIK.SL	430	493	

LORD AE	342			MCGUYER CA	208		
LOSCHE A	282			MCINTYRE P	459		
LOSEVA MV	431			MEADS RE	172		
LUBENSKY TC	432	433		MEHTA AI	460		
LUCKHURS.GR	122	210	304	MEIER G	573		
LUIPPOLD DA	434			MELONE S	12		
LUKIN NY	590			MELY B	131		
LUNAZZI L	435			MERCKEL G	587		
LUNDIN AG	616			MEYER RB	252	253	254
LUO FC	436				461	537	561
LUPANOV VN	329				689		
LUTZ O	255			MICCIANC.S	462		
LUYCKX R	413			MICHEL L	356	357	
LUZ Z	301			MICHELSON.A	463		
LUZAR M	80			MIKE H	362	464	465
LYERLA JR	247	649		MIKITYUK ZM	207		
LYUKSYUT.IF	437			MILLAUD B	466	467	
MACDONAL.AG	438			MILLER RW	114		
MACLEAN C	429			MILLER WG	468		
MACNAMAR.TE	411			MILLER WH	206		
MADA H	593	594	635	MINO J	637		
MADHAVA MS	609			MINTS RI	469		
MAELSTAF P	103			MITOV MD	178	470	
MAGAGNIN.PL	504			MITRA SS	41		
MAGALINS.VB	439	440		MITSUO N	471		
MAJOROS S	441			MIYAJI A	494		
MAKOV DM	442			MIYAKAWA K	472		
MALECKI J	294			MIYANO K	473	608	
MALET G	451			MIYATA I	474	475	
MALRAISO.B	443			MIZUSHIM.Y	642		
MALTESE P	444	445		MLODOZEN.AR	476		
MAMLOK L	76			MOISEJEN.VM	590		
MANDHAR C	446			MOLCHANO.YV	477		
MANNEVIL.P	205	447		MOLOCHKO VA	395	396	
MANOHAR C	448			MORGAN PW	478		
MANSFIEL.P	316			MORI N	479		
MANTERFI.MR	206			MORI T	480		
MARCEROU JP	449	450		MORIMOTO K	683		
MARIGNAN J	451			MORITZ E	481		
MARKEVIT.BV	79			MORRIS PG	316		
MARRIS AW	452			MORRISSY JH	151	152	
MARTIN CE	453			MOSKVICH YN	616		
MARTIN JC	644			MOSLEY A	210	258	
MARTINOT.P	350	351	519	MOTOC C	169		
MARTINS AF	454			MOUCHARA.N	482		
MARTIRE DE	93	195	196	MOUNTCAS.DB	483		
	197			MTSKERAD.GS	484	485	
MASHIYAM.T	464			MUKHINA MV	486		
MATSUKAW.F	455			MULLER F	487	574	
MATSUMUR. H	456	457		MULLEY BA	17		
MAURER LJ	502			MURAWSKI U	412		
MAZE C	458			MURTY CRK	354		
MAZKEDIA.S	12			MURZA MM	488		
MAZUR AI	485			MUSCUTAR.I	73		
MCCOLL JR	161	162		NABOIKIN YV	377		
MCDONNEL.DG	266			NAEMURA S	489		

LIQUID CRYSTALS

157

NAGAI S	490	491	PARSONS JD	521		
NAIDENOV.SB	179		PATEL LN	85	87	
NAKAMIZO M	310	621	PATEL NR	173	174	
NAKAMURA K	498	499	PATTERSO.D	385	386	
NAKAZAKI M	492		PAUL R	690		
NAMIOT VA	430	493	PAUL S	690		
NARA Y	494		PAULSEN K	552		
NATALE GG	495	496	PAUTOV VD	244		
NAWA N	498	499	PECHEY OT	522		
NEDRANET.YI	69	598	PELCOVIT.R	537		
NEEDHAM B	151	152	PELZL G	523	524	
NEKRASOV GL	535		PENCHEV II	199		
NERBONNE JM	500	501	PENZ PA	525		
NERSISYA.ST	31		PERDECK M	646		
NEUBERT M	102		PEREZ A	526		
NEUBERT ME	502		PEREZ E	527	547	
NEUMEIST.K	503		PERRON R	408		
NEWMAN BA	504		PERSHAN PS	37	126	
NEWTIN C	505		PERSHIN VK	528	529	691
NGOC BD	513		PERSSON NO	668		
NGUYEN PX	506	507	PETERSON MA	530		
NIEMIEC C	503		PETIT J	408		
NIKOLOV SM	180		PETROFF B	531	532	
NIKONORO.NA	623		PETROV AG	178		
NISHISAK.Y	353		PETROV M	531	532	
NN	508		PETUKHOV BV	262		
NOEL C	509		PIERANSK.P	1	628	
NOETHE L	510		PIETSCHE.J	381		
NOHARA H	279		PIKIN SA	133	533	534
NOLLE A	255			632		
NORDEN B	511		PILIPOVI.VA	535		
NORDIO PL	512		PIMENTEL CA	23		
NOWINOWS.E	692		PINCUS P	346	536	
NSHANYAN MA	30	31	PINDAK R	537	561	689
NYITRAI K	168	513	PINDAK RS	302		
OBERLIN A	596		PISARSKI RD	612		
ODAWARA K	514		PLATE NA	244	588	589
OESTREIC.F	286			590	623	
OGORODNI.KZ	515	516	POENARU V	106		
OHMES E	371		POETI G	538		
OI S	309	517	POGGI Y	231	232	
OKADA A	626		POHL L	209	539	540
OKAZAKI T	465		POLLMANN P	541		
ONISHI N	517		POLNASZE.CF	208		
OPDENKAM.J	556		POLUSHIN SG	557		
OSADA Y	86		POMEAU Y	106		
OSTROVSK.BI	431	518	POMMIER C	91		
OTTAVI CM	444	445	PONZIBOS.MG	12		
OUCHI K	682		POPIEL S	672		
PAPA T	579		POPONOVA RV	542		
PAPAHADJ.D	505	643	PORTE G	543		
PARKER WG	172		PORTUGAL.M	235	237	238
PARKHOME.VV	655		POULIGNY B	103		
PARMAR DS	519		POUPKO R	686		
PARNEIX JP	520		PRAJAPAT.AP	173		
PARODI O	526		PRESS MJ	544		

PRICE FP	32			RUXER JM	566	567	
PRIEST RG	545			RYUMTSEV EI	568		
PROST J	449	450	546	SACKMANN E	16		
PROUST JE	527	547		SADOWSKA KW	44		
PUFFER HW	303			SAFINYA CR	21	22	
PYZUK W	364			SAITO S	569		
RABINOV.I.AZ	431	518		SAK J	652		
RADLEY K	33	548	549	SAKAGAMI S	621		
RAJ TFS	354			SAKAMOTO K	570		
RAJAN VT	550			SAKURADA H	514		
RAND B	159	160		SALARIS F	384		
RAO NVS	354			SALUJA CL	111		
RASO AM	551			SAMAY G	513		
RASO SM	551			SAMULSKI ET	397	571	
RASZEWSK.Z	44	45	46	SANADA Y	682		
	171			SANDERS CL	442		
RATAJCZA.H	349	600		SANDROCK R	572		
RAVECHE HJ	336			SANTARSI.BD	647		
RAYMOND C	342			SARMA B	74		
RAYNES EP	290			SARMA PBK	354		
RAZVIN YV	535			SASADA T	297		
REEVES LW	245			SAUPE A	33	548	549
REFIOREN.S	176			SAVITSKY GB	676		
REHDER D	552			SCHACHTE.D	425		
REID CJ	217			SCHAD H	573		
REIF PG	79			SCHADT M	574		
REMEZOV VY	484			SCHANTZ CA	322		
RETTIG R	380			SCHEFFER TJ	575		
REVANNAS.D	609			SCHERER G	541		
RICHARDS.RM	163	404	553	SCHERRER H	96	576	
	554			SCHMIDT P	503		
RICHTER EJ	90	285		SCHNEIDE.F	90	213	214
RICHTER WJ	555				577		
RING K	556			SCHNEIDE.GM	572		
RINGSDOR.H	233	234	235	SCHRADER B	369	376	
	236	237	238	SCHUBERT H	181		
	239	667		SCHUETTE W	411		
RIUMTSEV EI	557			SCHULZE H	578		
RIVIERE D	417			SCHUMANN G	578		
ROBERT JB	15			SCHWARZM.R	427		
ROBERT JE	155			SCUDIERI F	72	579	580
RODER M	558			SEELIG J	581		
ROGANOVA ZA	590			SEGRE U	512		
ROMERIO M	559			SELBMANN C	382		
RONDELEZ F	288	289	462	SELIGER J	80	582	
	560	641		SELIVERS.VA	50		
ROSENBLA.C	561			SENATRA D	583	584	
ROSENCWA.A	562			SENO M	352	353	
ROSENHOL.JB	563			SERAK SV	535		
ROTHEN F	204			SERINKO RJ	287		
ROTINIAN TA	557			SETTE D	579		
ROZHDEST.NB	564	660		SHABANOV VF	38	39	585
RUMYANTS.VG	50			SHAHINPO.M	586		
RUSTICHE.F	11	12	13	SHARMA D	587		
	565			SHAYER DC	241		
RUSZKIEW.W	388			SHCHERBA.MS	488		

LIQUID CRYSTALS

159

SHELAZHE.SV	634			STEPANOV BM	361		
SHIBAEV VP	244	588	589	STEPHENS.DT	222		
	590	623		STIEB AE	614		
SHIBAOKA M	591	592		STILLER HH	163	164	
SHIMODA S	593			STISHOV SM	326		
SHIMOMUR.T	594			STOLARZ Z	171		
SHIPOV NV	595			STRUKOV BA	431	518	
SHIRAISH.M	596			STRZELEC.L	64		
SHIRAKI M	626			STURLA E	72		
SHISHKIN.MV	344			STURTEVA.JM	14		
SHIWA Y	597			SUBRAMHA.HS	609		
SHPAK MT	308			SUETAKA W	279		
SHPORER M	661			SUGINO Y	615		
SHTYKOV NM	50			SUKHOVSK.AA	616		
SHULMAN MY	95			SUPRYNOV.Z	671	673	
SIDOROV NK	598			SUSSMAN A	617	618	
SIEGLOCH GE	255			SUZUKI K	619		
SIGAUD G	277	599		SUZUKI N	9		
SIME SJ	7			SUZUKI S	9	10	
SIMOVA P	349	531	532	SVERDLIK AY	620		
	600			SYOMOCHK.PN	485		
SINGER LS	601			TACHIBAN.T	570		
SIOL W	234	235	236	TAKAHASH.K	615		
SIZOVA NL	262			TAKASE A	621		
SKARP K	602			TAKATA S	624		
SKOULIOS A	274	466	467	TAKEKOSH.M	622		
	603	630		TAKIZAWA T	471		
SLACK SA	211			TALROSE RV	623		
SLOAN DM	52			TAMAMUSH.B	622	681	
SMITH GW	604	605		TAMURA N	624		
SMITH HI	241			TANAKA H	625		
SMITH HJ	122			TANAKA R	480		
SMITH JL	606			TANAKA T	480		
SMOLYANS.AL	590			TANAKA Y	626		
SNYDER LC	607			TANEVA B	179		
SOHL C	608			TANI C	627		
SOHMA J	682			TARASKIN SA	518		
SOKOLOVA EB	68			TARTAGLI.A	176		
SOKOLOVA EP	139			TAUER MK	663	664	
SOLLADIE G	566	567		TAUPIN D	628		
SOMASHEK.R	609			TAVARES MR	23		
SONIN AS	361	426	431	TAYLOR RP	629		
	518			TEMME FP	97		
SOPOVA AS	486			TERMINAS.L	527	547	
SPEARMAN SA	610			TERRIERE G	596		
SPIESECK.H	387			TESHAEV BT	42		
SPIRIDON.VP	585			THEODORE LJ	647	648	
STAFEEV VI	42			THIERRY A	466	467	630
STAMATOF.J	272	273		THOMPSON GA	453		
STEBLER B	461			TICHOMIR.NA	366		
STECKI J	611			TIDDY G	662		
STEERS M	99			TIDDY GJT	423	631	668
STEGEMEY.H	70	240	291	TIKHOMIR.NA	632		
	292			TIKHONOV EA	308		
STEIN DL	612	613		TINH NH	633		
STENIUS P	563			TISHCHEN.VG	308	424	636

TITOV VV	634			WADA M	311	373	374
TODA A	635			WAESPESA.N	581		
TOLMACHE.AV	424	636		WALLACH DFH	653		
TOMCHUK E	190	191	305	WALMSLEY RH	661		
TOMOLIN MG	95			WALSH MF	662		
TORIYAMA K	514	619		WALTER KH	663	664	
TOULOUSE G	106			WALTER M	58		
TRUFANOV AN	49			WALTERMA.T	665		
TSUJII K	637			WATANABE N	622		
TSVETKOV VA	50			WEBB WW	221		
TSVETKOV VN	557	568		WEBER G	539		
TSYKALO AL	638	639		WEDEL H	666		
UCHIDA T	311			WEISS RG	500	501	
UEDA S	591	592		WEISSFLO.W	381		
UEMOTO T	687	688		WENDORFF JH	233	234	235
UENO T	627				236	667	
UHRICH DL	389	401		WENNERST.H	36	668	
UKAI Y	365			WERETA A	669		
UKLEJA P	640			WERTZ DL	268		
ULMIUS J	36			WHANGPEN.J	411		
UMANSKI BA	49			WHITE JL	670		
URBACH W	288	289	560	WIEGELEB.A	383		
	641			WIENERAV.E	79		
URBAN S	507			WIERCINS.R	571		
URISU T	642			WIESENFE.L	155		
USHER JR	643			WIFF DR	669		
VALLAT JF	644			WIGGINS TA	287		
VANDERGI.J	645			WILSON RC	120		
VANDERHA.R	413			WITKIEWI.Z	671	672	673
VANDERWO.F	410			WITKOWSK.W	295		
VANDIJCK P	556			WOJCIECH.M	3		
VANECK DC	646			WOJCIK J	671	673	
VANHECKE GR	647	648		WONG TC	674	675	
VANHOOK WA	136			WOO CW	550		
VANNI HC	649			WOOD GC	522		
VARNEY JC	650	651		WOOTEN JB	676		
VAUSE C	652			WROBEL S	506	507	
VAZ NP	454			WULF A	677	678	679
VENUGOPA.S	227			WYNJONES E	662		
VERACINI CA	132			YAGUPOLS.LM	634		
VERGOTEN G	600			YAKHMI JV	446	448	
VERMA SP	653			YAKOVENK.SS	680		
VERNON F	654			YAMADA H	681		
VETTERS D	524			YAMADA Y	309	517	682
VEYSSIE M	200			YAMAGUCH.F	626		
VIDAL P	20			YAMAMOTO H	569		
VILFAN M	80	693	694	YAMAMOTO K	492		
VINOKUR KD	134			YAMAMOTO R	683		
VIOVY R	325			YAMAMOTO Y	681		
VISTIN LK	655	680		YAMASHIT.M	684		
VOLINO F	11	13	183	YANAGIDA S	688		
	656	657		YANNONI CS	247		
VORA RA	658			YANO S	685		
VRIES A DE	659			YO CH	686		
VUKS MF	660			YOSHIDA R	570		
WACKER DC	165	166		YOSHINO K	687	688	

LIQUID CRYSTALS

161

YOUNG CY	689			ZHUKOV VS	691	529	
YUDIN SG	51			ZIELINSK.J	692		
ZAGAR V	80	582		ZIMMER JE	670		
ZANN A	77	201	633	ZIMMERMA.H	186	301	
ZAPRUDSK.VM	260			ZISMAN AN	326		
ZBOROVSK.AA	51			ZMIJA J	44	45	46
ZEINALLY AK	135	343			692		
ZEKS B	82			ZUMER S	693	694	
ZEMINDER AK	690			ZVERKOVA TI	634		
ZGLINICK.TV	360			ZWART M DE	695		
ZHDANOV SI	263						
ZHELIASK.AG	180						



book information

Title: **A PERSPECTIVE OF PHYSICS Volume 3**
Selections from 1978 Comments on Modern Physics

Edited by: **Sir Harrie Massey,**
*Department of Physics and Astronomy,
University College, London*

Description: The rate at which effective research is proceeding remains very high indeed. Even though over the past few years resources made available for scientific research have been reduced, or at best not increased, the momentum built up from earlier years has been so great that the output of new results has been increased. Moreover, these results continue to be of major interest and importance both for the understanding of nature and its applications to improve the understanding of life. *A Perspective of Physics* is an annual serial designed to keep both the specialist reader and the interested observer abreast of current developments in the field of modern physics.

In Volume 3, Sir Harrie Massey considers the advances in modern physics for the year 1978.

Contents: Introduction. Nuclear and Particle Physics. Solid State Physics. Astrophysics. Atomic and Molecular Physics. Plasma Physics and Controlled Fusion.

\$35.50

No. Pages: 360 approx.

ISBN: 0 677 15970 6

Binding: Cloth

Publication Date: December 1979

Category: Physics (15); Astronomy and Astrophysics (01)

Readership: Physicists

Gordon and Breach

1 Park Avenue, New York, NY 10016
42 William IV Street, London WC2N 4DE
7-9 rue Emile Dubois, Paris 75014