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2020			✓	
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2018				

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Recent Articles

Liquid crystal materials and devices for quantum computing
2026-9-30 Vol. 26 Issue 3 Pages 8-15
Authors: Victor V. Belyaev, Timur F. Kamalov, Yuri T. Kamalov
DOI: 10.18083/lcappl.2026.3.8

Combined effect of electric field and shear flow on optical properties of nematic liquid crystal layer with hybrid orientation
2026-9-30 Vol. 26 Issue 3 Pages 93-101
Authors: Sergey V. Pasechnik, Anastasiia A. Konovalova, Alexandre V. Zakharov
DOI: 10.18083/lcappl.2026.3.93

Selective reflection bands in modulated flexoelectric structures induced by planar electric field
2026-9-30 Vol. 26 Issue 3 Pages 47-54
Authors: Ivan V. Simdyankin, Boris A. Umanskii, Serguei P. Palto
DOI: 10.18083/lcappl.2026.3.47

Effect of rubbing parameters of polyimide films on orientation of nematic with planar anchoring
2026-9-30 Vol. 26 Issue 3 Pages 28-37
Authors: A.S. Abdullaev, D.A. Kostikov, M.N. Krakhalev et al.
DOI: 10.18083/lcappl.2026.3.28

Effect of nematic layer thickness on dynamics of electrically induced phase change of transmitted light
2026-9-30 Vol. 26 Issue 3 Pages 55-64
Authors: K.A. Feizer, M.A. Lesnoy, M.N. Krakhalev et al.
DOI: 10.18083/lcappl.2026.3.55

Effect of laser irradiation energy on degradation of laser dyes in nematic liquid crystals
2026-9-30 Vol. 26 Issue 3 Pages 85-92
Authors: Dmitry O. Rybakov, Sergey P. Palto
DOI: 10.18083/lcappl.2026.3.85

Erratum: «Photoluminescent properties of hybrid systems based on mesogenic star-shaped tristriazolotriazine derivative and CdSe/ZnS quantum dots»
2026-9-30 Vol. 26 Issue 3 Pages 102-102
Authors: O. N. Karpov, Jun Zhang, A. I. Smirnova et al.
DOI: 10.18083/lcappl.2026.3.102

Discotic liquid crystals for optoelectronic and electrooptic devices
2026-9-30 Vol. 26 Issue 3 Pages 16-27
Authors: V.V. Belyaev, V.A. Avdeenkov, A.V. Kazak et al.
DOI: 10.18083/lcappl.2026.3.16

Helical ferroelectric and ferrielectric liquid crystals for phase modulation of light
2026-9-30 Vol. 26 Issue 3 Pages 65-74
Authors: Timofey P. Tkachenko, Evgeny P. Pozhidaev
DOI: 10.18083/lcappl.2026.3.65

Homeotropic alignment of nematic liquid crystals on ITO surfaces induced by ammonia–peroxide solution treatment
2026-9-30 Vol. 26 Issue 3 Pages 75-84
Authors: A.D. Kurilov, I.S. Chekulaev, N.E. Kononenko et al.
DOI: 10.18083/lcappl.2026.3.75