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Publications

Article

Multimode Robust Lasing in a Dye-Doped Polymer Layer Embedded in a Wedge-Shaped Cholesteric

Tatevik M. Sarukhanyan, Hermine Gharagulyan, Mushegh S. Rafayelyan, Sergey S. Golik,

Ashot H. Gevorgyan, Roman B. Alaverdyan

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Article

Наблюдение электроконвекции в нематических жидких кристаллах рентгеноинтерферометрическим методом

Л.Г. Гаспарян, В.П. Мкртчян, Р.Б. Алавердян, Т.М. Саруханян

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561-567

Article

Lasing peculiarities in cholesteric multilayer structure with dye-doped polymer film depending on the concentration of laser dye and pumping energy

T. M. Sarukhanyan, H. S. Gharagulyan, M. L. Sargsyan, H. Grigoryan, R. S. Hakobyan, A. H. Gevorgyan,

R. B. Alaverdyan

Molecular Crystals and Liquid Crystals 2020 15-25

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Spectral Peculiarities of Multilayer Cholesteric Wedge-Cell System with Dye-Doped Polymer Layer

H. Gharagulyan, T. M. Sarukhanyan, A.V. Ninoyan, A. H. Gevorgyan, R. B. Alaverdyan

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Light energy accumulation by cholesteric liquid crystal layer at oblique incidence

M.S. Rafayelyan, H. Gharagulyan, T. M. Sarukhanyan, A.H. Gevorgyan, R. S. Hakobyan, R.B. Alaverdyan

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Экспериментальное исследование конвекции марангони в наножидкостях

Г. С. Геворгян, К. А. Петросян, Р. С. Акопян, Р. Б. Алавердян

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Р. С. Акопян, М.Р.Акопян, Р.Б.Алавердян, Ю.С.Чилингарян

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Experimental and Theoretical Investigation of Polarization Plane Rotation of Light in Nanoparticle-Enriched Chiral liquid-crystalline Photonic Structures with an Anisotropic Defect Layer

A.H. Gevorgyan, H. Gharagulyan, M.S. Rafayelyan, R.B. Alaverdyan

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Asymmetric Transmission liquid-crystals of Two Cholesterics with Different Pitches and Chiralities

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Nonreciprocal Transmission in Electro-Tunable Cholesterics

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Optical Properties of Polymer-Dispersed Cholesteric Liquid- Crystalline Wedge-Cell

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Lasing in Cholesteric-Polymer Wedge-Cell System

T. M. Sarukhanyan, R. B. Alaverdyan, A. H. Gevorgyan, H. Gharagulyan

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Characteristics of photonic band gap edge lasing in Cholesteric Liquid Crystals

T. K. Dadalyan, R.B. Alaverdyan, T.M. Sarukhanyan

Conference

Light energy accumulation by cholesteric liquid crystal layer at oblique incidence

M.S. Rafayelyan, H. Gharagulyan, T. M. Sarukhanyan, A.H. Gevorgyan, R.B. Alaverdyan

Conference

Lasing polarization peculiarities in cholesterics separated by dye-doped polymeric layer

T.M. Sarukhanyan, H. Gharagulyan, A.H. Gevorgyan, R.B. Alaverdyan

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Investigation of the influence of direct volume expansion on optical properties of Nematic Liquid Crystal layer

T.K. Dadalyan, K. A. Petrosyan, R. S. Hakobyan, R. B. Alaverdyan

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Tuning the lasing wavelength in dye-doped chiral photonic structure with pitch gradient by means of hydrodynamic flow

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Spatial evolution of light polarization in wedge-shaped cholesteric liquid crystal cell

R. Alaverdyan, L. Aslanyan, G. Gevorgyan, H. Gharagulyan, H. Hovakimyan, Zh. Ninoyan

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Non-linear control of lasing wavelength in dye-doped chiral photonic structures by means of light

T. Dadalyan, Zh. Ninoyan, R. Alaverdyan, I. Nys, J. Beeckman, K. Neyts

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Lasing in three-layer cholesteric-dye-doped polymer-cholesteric sandwich cell

T.M. Sarukhanyan, H. Gharagulyan, R.B. Alaverdyan, A.H. Gevorgyan

Conference

The role of the geometric phase in cholesteric with a defect layer toward multimodal robust lasing

T.M. Sarukhanyan, M.S. Rafayelyan, H. Gharagulyan, R.B. Alaverdyan, S.S. Golik, A.H. Gevorgyan
