

Ֆիզիկայի ինստիտուտ

Օպտիկայի ամբիոն

Ավագ լաբորանտ

📖 Հրատարակումներ

Հոդված

E-beam induced micropattern generation and amorphization of L-cysteine-functionalized graphene oxide nano-composites

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M.S. Torosyan, A. kharatyan, J. Michalicka, M. Yeranossyan

Colloids and Interface Science Communications 2024 100766-7

Հոդված

Essential L-Amino Acid-Functionalized Graphene Oxide for Liquid Crystalline Phase Formation

H. Gharagulyan, Y. Melikyan, V. Hayrapetyan, Kh. Kirakosyan, D.A. Ghazaryan, M. Yeranossyan

Materials Science and Engineering: B 2023 116564

Հոդված

Strong light absorption and absorption absence in photonic crystals with helical structure in an external static magnetic field

A. H. Gevorgyan, N. A. Vanyushkin, I. M. Efimov, A. O. Kamenev, S. S. Golik, H. Gharagulyan,

T. M. Sarukhanyan, Malek G. Daher, K. B. Oganessyan

Journal of the Optical Society of America B: Optical Physics 2023 1986-1993

Հոդված

Magnetically Induced Transparency in Media with Helical Dichroic Structure

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Meruzhan Z. Hautyunyan, Ilya M. Efimov, Nikolay A. Vanyushkin, Sergey S. Golik, Ashot H. Gevorgyan

MATERIALS 2021 2172

Հոդված

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

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Ashot H. Gevorgyan, Roman B. Alaverdyan

Molecules 2021 6089

Հոդված

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

Հոդված

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

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Optics and Spectroscopy 2020 1644-1648

Հոդված

Diffusion in liquid crystals of two cholesterics with different pitches.

Ashot H. Gevorgyan, Roman B. Alaverdyan, Hermine Gharagulyan, Mushegh S. Rafayelyan,

Hayarpi Grigoryan

Journal of Nanophotonics 2015 093591(1-12)

<https://spie.org/publications/journals/journal-of-nanophotonics>

Գիտաժողովի նյութ

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

Գիտաժողովի նյութ

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

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Գիտաժողովի նյութ

Nonreciprocal Transmission in Electro-Tunable Cholesterics

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

Գիտաժողովի նյութ

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

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Գիտաժողովի նյութ

Lasing in Cholesteric-Polymer Wedge-Cell System

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

Գիտաժողովի նյութ

Light energy accumulation by cholesteric liquid crystal layer at oblique incidence

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Գիտաժողովի նյութ

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

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

Գիտաժողովի նյութ

Controlling Possibilities of Functionalized Graphene Oxide Liquid Crystalline Microdroplets

Gharagulyan Hermine, Melikyan Yeghvard, Vasilev Alexey, Hayrapetyan Vardan, Khachatryan Ashot,

Apreyan Ruben, Yerosyan Mkrkich

Գիտաժողովի նյութ

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

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

Գիտաժողովի նյութ

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

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

Գիտաժողովի նյութ

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

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Գիտաժողովի նյութ

Filtering of terahertz radiation by a metasurface structure

Simonyan Karen, Parsamyan Henrik, Gharagalyan Hermine, Khachatryan Ashot, Yerosyan Mkrtich

Գիտաժողովի նյութ

Manipulating Optical Features of MoS₂-decorated rGO Nanosystems

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Գիտաժողովի նյութ

Studying Graphene Oxide Stability Depending on Particle Sizes

Yeghvard Melikyan, A. Vasil'ev, M. Zhezhu, H. Gharagulyan

Գիտաժողովի նյութ

Comparison of the Electro-Optical Properties of MoS₂/rGO Heterostructures Fabricated via CVD and Soft Chemistry Methods

Marina Zhezhu, A. Vasil'ev, Y. Melikyan, H. Gharagulyan

Գիտաժողովի նյութ

Stability Controlling of L-arginine- and L-nitroarginine-Functionalized Graphene Oxide

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