

Ֆիզիկայի գիտահետազոտական ինստիտուտ

Նյութագիտության և Նանոտեխնոլոգիաների գիտական կենտրոն
Ավագ ճարտարագետ

📖 Публикации

Статья

Fabry-Perot enhancement of liquid crystals birefringence effects in terahertz range

K.G. Batrakov, N.I. Valynets, M.M. Dubinetski, A.G. Paddubskaya, H.L. Margaryan, N.H. Hakobyan,

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Physica Scripta 2025 015510

Статья

Switchable anisotropic diffraction mode filter based on fork-like liquid crystal gratings

P. K. Gasparyan, H. L. Margaryan, V. K. Abrahamyan, T. K. Sargsyan, N. H. Hakobyan

Applied Optics 2024 8712 - 8716

Статья

Multilayered liquid crystal systems for discrete and continuous light beam steering

Hakob L. Margaryan, Valery K. Abrahamyan, Nune H. Hakobyan, Hakob S. Chilingaryan,

Gnel M. Stepanyan, Victor V. Belyaev, Andrey D. Latipov

IET conference proceedings. 2024 71-74/208333

Конференция

Light beam steering by a sequence of polarization diffraction gratings

H. Margaryan, V. Abrahamyan, N. Hakobyan, H.Chilingaryan, G. Stepanyan, V. Belyaev, A. Latipov

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<http://www.irphe.am/?q=node/181>

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Controlled Liquid Crystal Optical Filter Combined with Video Surveillance Devices

H. L. Margaryan, P. K. Gasparyan, V. K. Abrahamyan, N. H. Hakobyan, H. S. Chilingaryan,

D. K. Pokhsranyan, G. M. Stepanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 73-76

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Bragg-Berry cavities: orbital angular momentum manipulation of broadband light beams

Sergey Shvetsov, Vahram Grigoryan, Valeri Abrahamyan, Nune Hakobyan, Hakob Margaryan,

Mushegh Rafayelyan

2023 110 - 110

<https://photonicsai.com/optics11/>

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Влияние воздушного пузыря на ориентацию жидкого кристалла

А.Л. Маргарян, Н.Г. Акопян, В.К. Абраамян, Г.М. Степанян, В.В. Беляев, М.В. Ермакова,

В.И. Мащенко, В.А. Жачкин

Proceedings of NAS RA Physics 2022 574-579

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Effect of Air Bubble on Liquid Crystal Alignment

H. L. Margaryan, N. H. Hakobyan, V. K. Abrahamyan, G. M. Stepanyan, V. V. Belyaev, M.V. Ermakova,

V. I. Mashchenko, V. A. Zhachkin

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 389-392

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New Prospects of Application of Liquid Crystal Polymer Cantilever

H.L. Margaryan, N.H. Hakobyan, V.K. Abrahamyan, P.K. Gasparyan, A.S. Yeremyan, N.V. Tabiryan,

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