



## Research Institute of Physics

Laboratory of Optoelectronics and Photonics

Researcher

## Language skills

Հայերեն English Русский 

## Publications

### Article

#### **Elastic Characterization of Acrylate-Based Liquid Crystal Elastomers**

Gevorg S. Gevorgyan, Maksim L. Sargsyan, Mariam R. Hakobyan, Matthew Reynolds, Helen F. Gleeson,

Rafik S. Hakobyan

Polymers MDPI 2025 614

### Article

#### **Developing flood hazard assessment software for Armenia**

J. Matsuo, G.S. Gevorgyan, K. Shiwaku, A.S. Chilingaryan

Հգնաժամային կառավարում և տեխնոլոգիաներ 2023 15-23

### Article

#### **Applicability of the single-layer flat-coil-oscillator technology-based vibration and vibro-acoustic sensors in medical and biological study of the cardiovascular system: Advantages and perspectives of the carotid pulse wave registration**

G. S. Gevorgyan, S. G. Gevorgyan, A. S. Khachunts, A. A. Tumanian, N. E. Tadevosyan

Review of Scientific Instruments 2022 054109

### Article

#### **Determination of the Elasticity Coefficients for Nematic Liquid Crystal Elastomers**

Maksim Sargsyan, Gevorg Gevorgyan, Mariam Hakobyan, Rafik Hakobyan

Crystals 2022 1654

### Article

#### **Developing the seismic intensity display software in Yerevan**

J. Matsuo, K. Shiwaku, G.S. Gevorgyan

Հգնաժամային կառավարում և տեխնոլոգիաներ 2022 41-50

### Article

#### **On the possibility of recording and studying human movement activity with seismic sensors of a new type: Advantages and prospects of the single-layer flat-coil-oscillator technology based sensors**

S.G. Gevorgyan, G.S. Gevorgyan, V.S. Gevorgyan, B.K. Kurghinyan, A.S. Khachunts, H.G. Shirinyan,

S.A. Khachunts

Review of Scientific Instruments 2021 055011

*Article*

**Бесконтактное дальнеполевое неdestructивное сканирование различных структур и сред радиочастотным «магнитно-полевым» SFCO зондом - новая технология визуализации**

С.Г. Геворгян, Г.С. Геворгян, А.С. Хачунц, С.А. Хачунц

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 63-77

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*Article*

**Non-Contact Far-Field Non-Destructive Scanning of Various Structures and Media by Radio-Frequency 'Magnetic-Field' SFCO-Probe - a New Type of Visualization Technology**

A. S. Khachunts, S. G. Gevorgyan, G. S. Gevorgyan, S. A. Khachunts

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 46-56

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*Article*

**Экспериментальное исследование конвекции марангони в наножидкостях**

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

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2017 490-494

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*Article*

**Polarized light in anisotropic medium with twisting**

R. B. Alaverdyan, A. L. Aslanyan, L. S. Aslanyan, G. S. Gevorgyan, S. Ts. Nersisyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2015 137-143

<http://www.springer.com/physics/particle+and+nuclear+physics/journal/11958>

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*Conference*

**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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*Conference*

**SFCO POSITION AND VIBRATION SENSORS AS A HIGHLY SENSITIVE TOOL FOR BEHAVIORAL PHYSIOLOGY RESEARCH**

SG Gevorgyan, AS Khachunts, AA Tumanian, AR Sargsyan, GS Gevorgyan

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