

Publications

Article

Advanced optical indicators based on functional metastructure for thermoelastic optical indicator microscope

Artyom Movsisyan, Billi Minasyan, Hasmik Manukyan, Zhirayr Baghdasryan, Kiejn Lee,

Arsen Babajanyan

Measurement 2026 120441

<https://www.sciencedirect.com/science/article/pii/S0263224126001508?via%3Dihub>

Article

Reflective multi-layer metasurface based on half-wave plate structure for polarization control in the visible-near-infrared region

Artyom Movsisyan, Hasmik Manukyan, Billi Minasyan, Arsen Babajanyan

Physica Scripta 2024 095545

Article

Characterization of microwave response of the mesh-pattern vs. uniformly-coated indium-tin-oxide indicator for the thermoelastic optical microscope: a comparative analysis

Artyom Movsisyan, Hasmik Manukyan, Billi Minasyan, Zhirayr Baghdasryan, Kiejn Lee,

Arsen Babajanyan

IET conference proceedings. 2024 15-18

Conference

Detecting Low Dose of Glucose in the Microwave Range By Using Thermoelastic Optical Indicator Microscope

Tigran Abrahamyan, Nelli Babajanyan, David Hambaryan, Hasmik Manukyan, Arsen Babajanyan,

Kiejn Lee

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<https://materialsconference.yuktan.com/2023/>