

Publications

Article

Resonant enhancement and confinement of microwave field in coupled conductive rod systems

Tigran Abrahamyan, Gor Ohanyan, David Hambaryan, Artyom Movsisyan, Henrik Parsamyan, Hovhannes Haroyan, Arsen Babajanyan, Khachatur Nerkararyan
Physica Scripta 2025 025515

Article

**Microwave Band-Pass Filtering Using Interacting Conducting Ring Resonators
[Микроволновое полосно-пропускающее фильтрование с использованием взаимодействующих проводящих кольцевых резонаторов]**

N. Margaryan, G. Ohanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2025 367-374
<https://link.springer.com/article/10.1134/S1068337225700689>

Article

Highly dispersive transmission conditions for a conductive rods-based ultrathin bilayer metastructure

Tigran Abrahamyan, Gor Ohanyan, David Hambaryan, David Kalantar, Henrik Parsamyan, Hovhannes Haroyan, Arsen Babajanyan, Kiejun Lee, Khachatur Nerkararyan
Journal of Physics D Applied Physics 2024 355108

Article

Resonant detection of surface microwaves using dielectric-coated conductive rods coupled with a cut Goubau line

Tigran Abrahamyan, Gor Ohanyan, Hovhannes Haroyan, Arsen Babajanyan, Khachatur Nerkararyan
IET conference proceedings. 2024 11-14