

📖 Публикации

Статья

Terahertz Radiation in a Parallel Metal Plate Waveguide Partially Filled with a Nonlinear Optical Crystal [Терагерцовое излучение в волноводе с параллельными металлическими пластинами, частично заполненном нелинейно-оптическим кристаллом]

A. S. Nikoghosyan, V. R. Tadevosyan

Radiophysics and Quantum Electronics (Известия вузов. Радиофизика) 2025 823-832

Статья

Broadband TeraHertz waveguide partially filled with a nonlinear crystal

A.S. Nikoghosyan, V.R. Tadevosyan

International Conference on Microwave & THz Technologies, Wireless Communications and OptoElectronics (IRPhE 2022)
2023 22987026/ 56-59

Статья

Features of a THz pulse generated in the metallic waveguides partially filled with nonlinear crystals

A.S. Nikoghosyan, V.R. Tadevosyan, G.N. Goltsman, S.V. Antipov

Journal of Physics: Conference Series 2023 012013

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International Conference on Microwave & THz Technologies, Wireless Communications and OptoElectronics (IRPhE 2022)
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Статья

Critical Wavelength in the Metal Waveguide Partially Filled with Nonlinear Crystal

A. S. Nikoghosyan, V. R. Tadevosyana, G. N. Goltsman, S. V. Antipov

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Статья

КРИТИЧЕСКАЯ ДЛИНА ВОЛНЫ В ВОЛНОВОДЕ, ЧАСТИЧНО ЗАПОЛНЕННОМ НЕЛИНЕЙНЫМ КРИСТАЛЛОМ

А.С. НИКОГОСЯН, В.Р. ТАТЕВОСЯН, Г.Н. ГОЛЬЦМАН, С.В. АНТИПОВ

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LiNbO₃, DAST ИЛИ ZnTe

А.С. НИКОГОСЯН, Р.М. МАРТИРОСЯН, А.А. АХУМЯН, А.О. МАКАРЯН, В.Р. ТАТЕВОСЯН, Г.Н. ГОЛЬЦМАН,

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Статья

Optical Properties of Human Jawbone, Spongy Bone, and Human Bone Substitute Cerabone® in the Spectral Range 0.2 to 2.5 THz

A.S. Nikoghosyan, J. Shen

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Dielectric Anisotropy of Human Bone and CERABONE® in the Terahertz Spectral Range 0.2 to 2.5 THz

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ОПТИЧЕСКИЕ СВОЙСТВА КОСТНОЙ ТКАНИ ЧЕЛЮСТИ ЧЕЛОВЕКА И ЗАМЕНИТЕЛЯ КОСТНОЙ ТКАНИ СЕРАБОН (CERABONE®) В ТЕРАГЕРЦОВОМ ДИАПАЗОНЕ

А.С. НИКОГОСЯН, Р.М. МАРТИРОСЯН, J. SHEN, H. TING, М.Ю. ТУНЯН, А.В. ПАПИКЯН, А.А. ПАПИКЯН

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LiNbO₃ КЛИНООБРАЗНАЯ ТГц АНТЕННА, ЧАСТИЧНО ЗАПОЛНЯЮЩАЯ МЕТАЛЛИЧЕСКИЙ ВОЛНОВОД

А.С. НИКОГОСЯН

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Конференция

Optical properties of human jawbone, spongy bone and human bone substitute CERABONE in spectral range from 0.2 to 2.5 THz

A.S. Nikoghosyan, J. Shen

Конференция

Effect of attenuation on the efficiency of THz radiation generation in a nonlinear crystal integrated into a waveguide

A.S. Nikoghosyan, R.M. Martirosyan, A.A. Hakhoumian, A.O. Makaryan, V.R. Tadevosyan, G.N. Goltsman,

S.V. Antipov

Конференция

High Conversion Efficiency in a System "Nonlinear-Optical Crystal Partially Filling the Cross Section of a Rectangular Waveguide

A.S. Nikoghosyan

Конференция

Physical Properties of Human Jawbone, Spongy Bone, Collagen and Cerabone® Bone Transplantation Material in Range of 0.2 to 2.5 THz

A.S. Nikoghosyan, J. Shen, H. Ting
