

## Институт физики

Кафедра радиофизики и телекоммуникаций  
Заведующий кафедрой (профессор)

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*Статья***Microwave and Joule Heating Visualization by a Thermo-Elastic Microscope for Carbon Composite Materials**

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*Статья***Surface-standing-wave formation via resonance interaction of a finite-length conductive rod with microwaves**

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*Статья***Microwave response phase control of a graphite microstrip**

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*Статья***Noninvasive in Vivo Evaluation of Mouse-Blood Glycemia with a Microwave Spiral Sensor**

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*Статья***Visualization of microwave near-field distribution in sodium chloride and glucose aqueous solutions by a thermo-elastic optical indicator microscope**

Arsen Babajanyan, Zhirayr Baghdasaryan, Levon Odabashyan, Jung-Ha Lee, Barry Friedman, Kiejin Lee

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*Статья***Performance of Pentacene Based Organic Thin Film Transistor with an Octadecyltrichlorosilane Self-Assembled Monolayer Interface**

A. Babajanyan, B. Minasyan, A. Movsisyan, B. Friedman, K. Lee

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*Образовательный Руководство***Ատոմային և միջուկային ֆիզիկայի ընդհանուր դասընթացի լաբորատոր աշխատանքների ուղեցույց**

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*Статья***Detection of Iron Nanoparticles in Aqueous Solutions by Microwave Sensor**

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Zhirayr Baghdasaryan, Arsen Babajanyan, Levon Odabashyan, Shant Arakelyan, Hanju Lee,

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**ОБНАРУЖЕНИЕ НАНОЧАСТИЦ ЖЕЛЕЗА В ВОДНЫХ РАСТВОРАХ С ПОМОЩЬЮ МИКРОВОЛНОВОГО СЕНСОРА**

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A. Zh. BABAJANYAN, B. J. MINASYAN, L. A. ODABASHYAN, Zh. A. BAGHDASARYAN, K. LEE

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**Real-Time Noninvasive Measurement of Glucose Concentration Using a Modified Hilbert Shaped Microwave Sensor**

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Arsen Babajanyan, Sul A Choi, Kyungchul Kim, Shant Arakelyan, Hanju Lee, Barry Friedman, Kiejin Lee

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**Sensitive Detection of Nano-Scale Vibrations by the Metal-Coated Fiber Tip at the Liquid-Air Interface**

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Образовательный Руководство

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**The impact of non-zero quark masses on the Equation of State and the Maximum Mass of Strange Quark Stars**

Hasmik Shahinyan, Tigran Sargsyan, Arsen Babajanyan

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