

Volume 121, Issue 12

June 2025

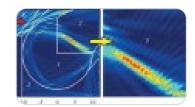


10 articles in this issue

Dynamics of a Nanoparticle in an Optical Trap Formed by a Photonic Jet Modulated by a Standing Wave in a Microfluidic Channel

D. V. NovitskyO. V. MininI. V. Minin

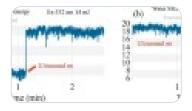
OPTICS AND LASER PHYSICS | Open access | 31 July 2025 | Pages: 883 - 889



Stimulated Raman Scattering Amplification under Ultrasound

M. A. KarpovA. D. KudryavtsevaS. F. Umanskaya

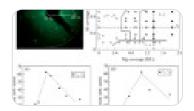
OPTICS AND LASER PHYSICS | 10 June 2025 | Pages: 890 - 894



Structural Studies of 2 × 2-(Bi,Mg) Reconstruction on the Si(111) Surface

M. V. RyzhkovaS. G. AzatyanD. A. Tsukanov

CONDENSED MATTER | Open access | 31 July 2025 | Pages: 895 - 901



Thermally Stable Ferroelectric HfO₂:Al₂O₃ (10:1) in Silicon-on-Insulator and Silicon-on-Sapphire Heterostructures after Rapid Thermal Annealing Treatments and Oxidation-Induced Silicon Thinning

V. P. PopovV. A. AntonovK. V. Rudenko

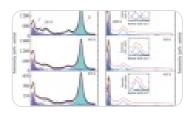
CONDENSED MATTER | 31 July 2025 | Pages: 902 - 908



Raman Scattering at Phase Transformations in the Relaxor Ferroelectric PbCo_{1/3}Nb_{2/3}O₃

N. K. DeretsA. I. FedoseevS. G. Lushnikov

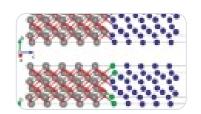
CONDENSED MATTER | Open access | 31 July 2025 | Pages: 909 - 915



Theoretical Study of the Spin Polarization and Magnetic Properties of (Co,Fe)/MgO Thin Film Heterostructures

A. O. ShorikovN. A. Viglin

CONDENSED MATTER | Open access | 31 July 2025 | Pages: 916 - 920



Classical Integrable Spin Chains of Landau-Lifshitz Type from R-**Matrix Identities**

D. DomanevskyA. Zotov

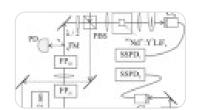
METHODS OF PHYSICAL RESEARCH | Open access | 10 June 2025 | Pages: 921 - 926

System of a Quantum Memory in a ¹⁴³Nd:Y⁷LiF₄ Crystal and a Matching Single-Photon Source Based on Spontaneous Parametric

Down-Conversion

R. A. AkhmedzhanovL. A. GushchinD. A. Sobgayda

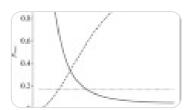
QUANTUM INFORMATICS | Open access | 31 July 2025 | Pages: 927 - 931



Generalization of a Photon Number Splitting Attack and the **Efficiency of Its Application to a Subcarrier Wave Quantum Cryptography Protocol**

D. A. Kronberg

QUANTUM INFORMATICS | Open access | 31 July 2025 | Pages: 932 - 941



Binary Acidic/Alkaline Aqueous Electrolytes

V. Shikin

MISCELLANEOUS | 31 July 2025 | Pages: 942 - 949

