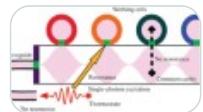




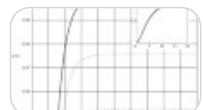
32 articles in this issue

Transfer of the State of a Broadband Single-Photon Packet in a Nonresonant Interaction with Isolated Systems of Different Physical Nature: General Approach



OriginalPaper | 09 December 2025 | Pages: 2265 - 2272

Transfer of the State of a Broadband Single-Photon Packet in a Nonresonant Interaction with Isolated Systems of Different Physical Nature: Simple Cases of Single Isolated Systems



OriginalPaper | 09 December 2025 | Pages: 2273 - 2277

Determination of Spectral and Mode Properties of Nanophotonic Cavities Based on Silicon and Silicon Nitride



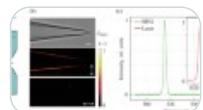
OriginalPaper | 09 December 2025 | Pages: 2278 - 2284

Investigating a Quantum Key Distribution Scheme with Independent Detection and Sideband Encoding



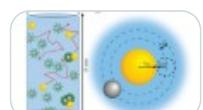
OriginalPaper | 09 December 2025 | Pages: 2285 - 2290

Second-Harmonic Generation Microscopy of Glass-Water and Glass-Air Interfaces



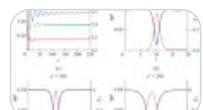
OriginalPaper | 09 December 2025 | Pages: 2291 - 2295

Quantum Yield of Luminescence of $\text{YF}_3:\text{Ce}^{3+},\text{Tb}^{3+}$ Nanoparticles under the Stochastic Purcell Effect in a Colloidal Solution Containing Plasmonic Nanoparticles



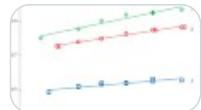
OriginalPaper | 09 December 2025 | Pages: 2296 - 2304

Development of Quasi-Stable Soliton-Like Modes during the Generation of Terahertz Radiation by Optical Pulses



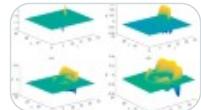
OriginalPaper | 09 December 2025 | Pages: 2305 - 2309

Intermolecular Interactions and the Equilibrium of Molecule Conformations in a Mixed Polymer System



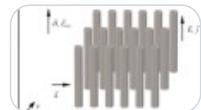
OriginalPaper | 09 December 2025 | Pages: 2310 - 2314

Simulation of the Dynamics of Ultrashort Pulses in a Polymer Composite with Impurity Carbon Nanotubes



OriginalPaper | 09 December 2025 | Pages: 2315 - 2319

Simulation of the Dynamics of Laser Beams in Carbon Nanotubes in the Presence of External Fields



OriginalPaper | 09 December 2025 | Pages: 2320 - 2324

Self-Recovery of Luminescence Characteristics of a Mesogenic Europium(III) β -Diketonate Complex after UV Irradiation



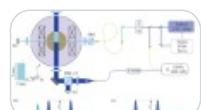
OriginalPaper | 09 December 2025 | Pages: 2325 - 2331

Motion of Microspheres in Vortex Optothermal Traps



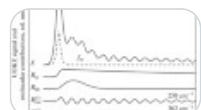
OriginalPaper | 09 December 2025 | Pages: 2332 - 2338

Experimental Study of a Quantum Memory Protocol: Revival of Silenced Echo and Superradiance



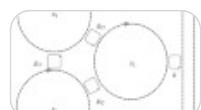
OriginalPaper | 09 December 2025 | Pages: 2339 - 2344

Nonresonant Selective Spectroscopy of Intermolecular Dynamics in Liquid in the Terahertz Frequency Range



OriginalPaper | 09 December 2025 | Pages: 2345 - 2352

Dynamics in a Ring Photonic Molecule with Programmable Spectrum Topology



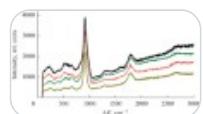
OriginalPaper | 09 December 2025 | Pages: 2353 - 2358

Electrically Controlled Fiber-Optic Thermal Sensor with Bragg Resonator

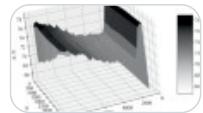


Transformation of Raman Spectra from a Titanium Surface after Contact with Fluorine-Containing Gases

OriginalPaper | 09 December 2025 | Pages: 2365 - 2370

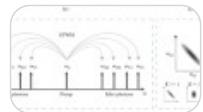


Optimization of the Parameters of Optical Random Number Generation and Lexicographic Postprocessing Based on the Integral Evaluation of NIST Tests



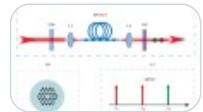
OriginalPaper | 09 December 2025 | Pages: 2371 - 2377

Hybrid-Entangled Biphotons: Frequency Mode Analysis for the Case of Generation in Optical Fiber



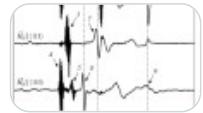
OriginalPaper | 09 December 2025 | Pages: 2378 - 2384

Ultrabroadband Biphoton Fields in Periodically Poled Photonic-Crystal Fibers



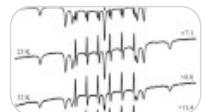
OriginalPaper | 09 December 2025 | Pages: 2385 - 2389

Structure and Magnetic Properties of Exchange-Coupled Pairs $[\text{Ni}^{3+}-\text{I}^{6-}]$ in Monocrystalline BaF_2 : An EPR Study



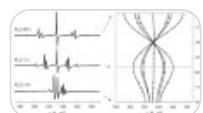
OriginalPaper | 09 December 2025 | Pages: 2390 - 2398

Electron Paramagnetic Resonance in the Narrow-Gap Semiconductor $\text{Pb}_{0.996}\text{Cu}_{0.003}\text{Mn}_x\text{Gd}_y\text{S}$: Effects of Interaction between Mn^{2+} and Gd^{3+} Ions with the Participation of Free Charge Carriers



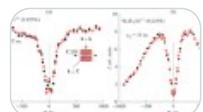
OriginalPaper | 09 December 2025 | Pages: 2399 - 2406

Possible Electronic States of Gadolinium Impurity Centers in $\text{Pb}_{1-x}\text{Gd}_x\text{S}$ Narrow-Gap Semiconductor: Electron Paramagnetic Resonance Data



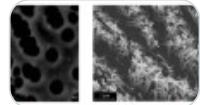
OriginalPaper | 09 December 2025 | Pages: 2407 - 2415

A Butterfly-Shaped Hysteresis in Photon Echo Signals in Pulsed Magnetic Fields



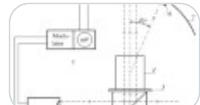
OriginalPaper | 09 December 2025 | Pages: 2416 - 2420

Dependence of the Efficiency of Enhanced Raman Scattering on the Period of the Electrochemical Deposition of Nanowires in Pores of Track-Etched Membranes



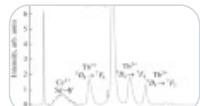
OriginalPaper | 09 December 2025 | Pages: 2421 - 2426

Modeling of Light Scattering in Disperse Media, Considering Secondary Scattering



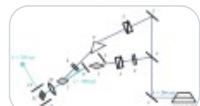
OriginalPaper | 09 December 2025 | Pages: 2427 - 2434

Induced Toxicity of $\text{CeF}_3\text{--YF}_3\text{--TbF}_3$ Composite Nanoparticles



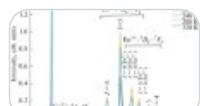
OriginalPaper | 09 December 2025 | Pages: 2435 - 2442

Viability of Bovine Embryonic Lung Cells under Laser UV-Radiation in the Presence of Antioxidants



OriginalPaper | 09 December 2025 | Pages: 2443 - 2446

Mechanisms of the Temperature Dependence of Luminescence Characteristics of $\text{CeF}_3\text{--YF}_3$ Nanoparticles Activated by Ion Pairs $\text{Tb}^{3+}/\text{Eu}^{3+}$



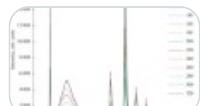
OriginalPaper | 09 December 2025 | Pages: 2447 - 2452

Temperature Dependence of the Luminescence Lifetime of Calcium Hydroxyapatite Doped with Eu^{3+}



OriginalPaper | 09 December 2025 | Pages: 2453 - 2457

Synthesis and Study of Luminescent Properties of Trifluoride Nanoparticles Doped with $\text{Ce}^{3+}/\text{Tb}^{3+}$ Ion Pair for Applications in Thermometry



OriginalPaper | 18 November 2025 | Pages: 2458 - 2462

Electrochemical Synthesis of CdTe Nanowires in Polymer Track Membrane



OriginalPaper | 18 November 2025 | Pages: 2463 - 2469
