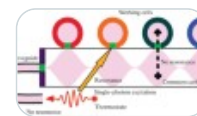




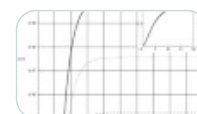
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Transfer of the State of a Broadband Single-Photon Packet in a Nonresonant Interaction with Isolated Systems of Different Physical Nature: General Approach



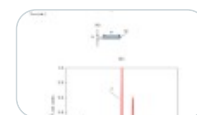
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Determination of Spectral and Mode Properties of Nanophotonic Cavities Based on Silicon and Silicon Nitride



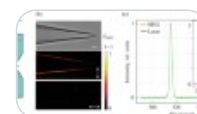
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Investigating a Quantum Key Distribution Scheme with Independent Detection and Sideband Encoding



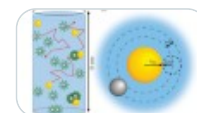
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Second-Harmonic Generation Microscopy of Glass–Water and Glass–Air Interfaces



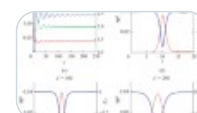
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Quantum Yield of Luminescence of $\text{YF}_3\text{:Ce}^{3+}, \text{Tb}^{3+}$ Nanoparticles under the Stochastic Purcell Effect in a Colloidal Solution Containing Plasmonic Nanoparticles



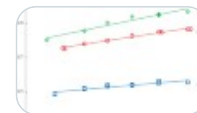
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Development of Quasi-Stable Soliton-Like Modes during the Generation of Terahertz Radiation by Optical Pulses



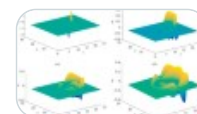
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Intermolecular Interactions and the Equilibrium of Molecule Conformations in a Mixed Polymer System



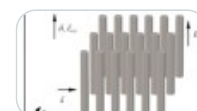
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Simulation of the Dynamics of Ultrashort Pulses in a Polymer Composite with Impurity Carbon Nanotubes



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



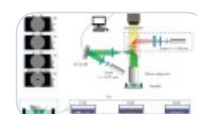
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Self-Recovery of Luminescence Characteristics of a Mesogenic Europium(III) β -Diketonate Complex after UV Irradiation



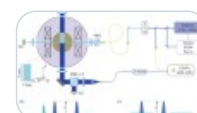
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Motion of Microspheres in Vortex Optothermal Traps



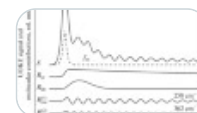
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Experimental Study of a Quantum Memory Protocol: Revival of Silenced Echo and Superradiance



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



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Dynamics in a Ring Photonic Molecule with Programmable Spectrum Topology

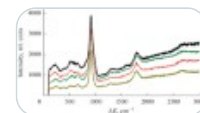


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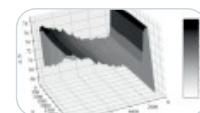
Electrically Controlled Fiber-Optic Thermal Sensor with Bragg Resonator



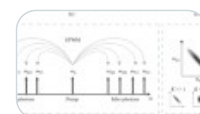
Transformation of Raman Spectra from a Titanium Surface after Contact with Fluorine-Containing Gases



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



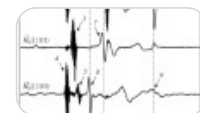
Hybrid-Entangled Biphotons: Frequency Mode Analysis for the Case of Generation in Optical Fiber



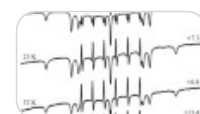
Ultrabroadband Biphoton Fields in Periodically Poled Photonic-Crystal Fibers



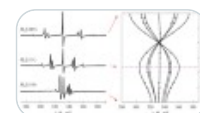
Structure and Magnetic Properties of Exchange-Coupled Pairs $[\text{Ni}^{3+} -]^{6-}$ in Monocrystalline BaF_2 : An EPR Study



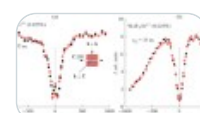
Electron Paramagnetic Resonance in the Narrow-Gap Semiconductor $\text{Pb}_{0.996}\text{Cu}_{0.003}\text{Mn}_x\text{Gd}_y\text{S}$: Effects of Interaction between Mn^{2+} and Gd^{3+} Ions with the Participation of Free Charge Carriers



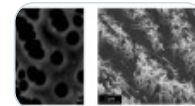
Possible Electronic States of Gadolinium Impurity Centers in $\text{Pb}_{1-x}\text{Gd}_x\text{S}$ Narrow-Gap Semiconductor: Electron Paramagnetic Resonance Data



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

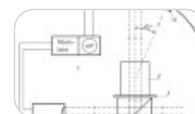


Dependence of the Efficiency of Enhanced Raman Scattering on the Period of the Electrochemical Deposition of Nanowires in Pores of Track-Etched Membranes



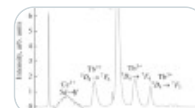
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Modeling of Light Scattering in Disperse Media, Considering Secondary Scattering



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Induced Toxicity of CeF₃–YF₃–TbF₃ Composite Nanoparticles



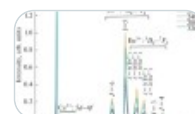
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Viability of Bovine Embryonic Lung Cells under Laser UV-Radiation in the Presence of Antioxidants



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Mechanisms of the Temperature Dependence of Luminescence Characteristics of CeF₃–YF₃ Nanoparticles Activated by Ion Pairs Tb³⁺/Eu³⁺



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Temperature Dependence of the Luminescence Lifetime of Calcium Hydroxyapatite Doped with Eu³⁺



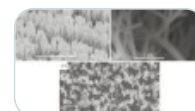
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Synthesis and Study of Luminescent Properties of Trifluoride Nanoparticles Doped with Ce³⁺/Tb³⁺ Ion Pair for Applications in Thermometry



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Electrochemical Synthesis of CdTe Nanowires in Polymer Track Membrane



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