

Quantum optics, physics of lasers, nonlinear optics, classical optics

Temporal coherence and indistinguishability in two-photon interference effects (<i>4 pages</i>)	021801(R)
Anand Kumar Jha, Malcolm N. O'Sullivan, Kam Wai Clifford Chan, and Robert W. Boyd	
Phase matching with pulsed Bessel beams for high-order harmonic generation (<i>4 pages</i>)	021802(R)
Alessandro Averchi, Daniele Faccio, Ricardo Berlasso, Miroslav Kolesik, Jerome V. Moloney, Arnaud Couairon, and Paolo Di Trapani	
Steady-state pulse component in ultrafast pulse propagation in an anomalously dispersive dielectric (<i>4 pages</i>)	021803(R)
Heejeong Jeong and Ulf L. Österberg	
Experimental comparison between conventional and hybrid long-range surface plasmon waveguide bends (<i>4 pages</i>)	021804(R)
Aloyse Degiron, Sang-Yeon Cho, Cameron Harrison, Nan Marie Jokerst, Claudio Dellagiacoma, Olivier J. F. Martin, and David R. Smith	

ARTICLES

Fundamental concepts

Effective tunneling coefficient of a coupled double-well system modulated by anharmonic periodic potentials (<i>5 pages</i>)	022101
N. Tsukada, H. Yoshida, and T. Suzuki	
Nuclear-spin relaxation of ^{207}Pb in ferroelectric powders (<i>6 pages</i>)	022102
L.-S. Bouchard, A. O. Sushkov, D. Budker, J. J. Ford, and A. S. Lipton	
Atomic entanglement versus visibility of photon interference for quantum criticality of a hybrid system (<i>6 pages</i>)	022103
M. X. Huo, Ying Li, Z. Song, and C. P. Sun	
Exponential complexity and ontological theories of quantum mechanics (<i>10 pages</i>)	022104
A. Montana	
Characterization of quantum angular-momentum fluctuations via principal components (<i>9 pages</i>)	022105
Ángel Rivas and Alfredo Luis	
Relativistic nature of a magnetoelectric modulus of Cr_2O_3 crystals: A four-dimensional pseudoscalar and its measurement (<i>15 pages</i>)	022106
Friedrich W. Hehl, Yuri N. Obukhov, Jean-Pierre Rivera, and Hans Schmid	
Switching effect on the quantum Brownian motion near a reflecting boundary (<i>11 pages</i>)	022107
Masafumi Seriu and Chun-Hsien Wu	
Einstein-Podolsky-Rosen argument and Bell inequalities for Bose-Einstein spin condensates (<i>17 pages</i>)	022108
F. Laloë and W. J. Mullin	
Two-spin-subsystem entanglement in spin-1/2 rings with long-range interactions (<i>7 pages</i>)	022109
M. Gaudiano, O. Osenda, and G. A. Raggio	
Nonlinear optical spectroscopy of single, few, and many molecules: Nonequilibrium Green's function QED approach (<i>14 pages</i>)	022110
Christoph A. Marx, Upendra Harbola, and Shaul Mukamel	
Decoherence and dissipation of a quantum harmonic oscillator coupled to two-level systems (<i>7 pages</i>)	022111
Maximilian Schlosshauer, A. P. Hines, and G. J. Milburn	