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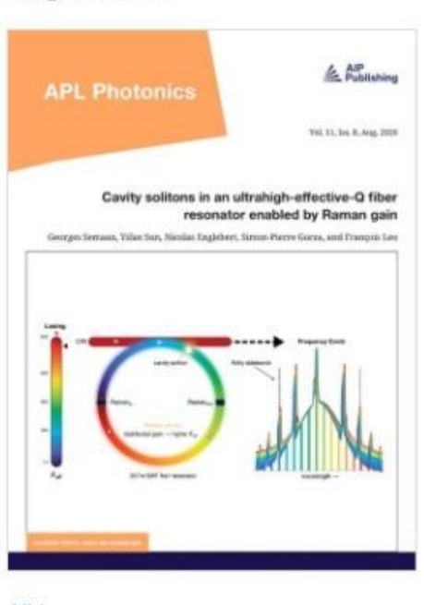

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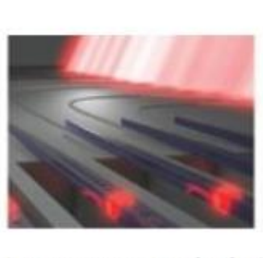

Heterogeneously integrated diamond-on-lithium niobate quantum photonic platform

In Special Collection: Thin-film lithium niobate for integrated photonics

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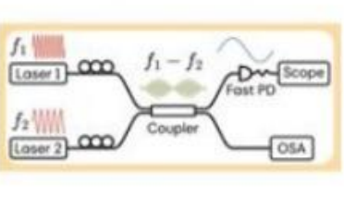

Heterodyne generation of Terahertz radiation and its applications

Christina Vivian; Molly A. Thomas; Alwyn Seeds; James Seddon

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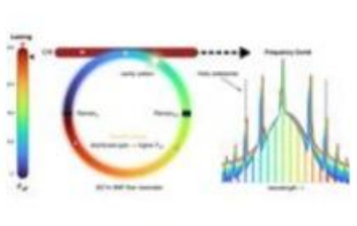

Cavity solitons in an ultrahigh-effective-Q fiber resonator enabled by Raman gain

Georges Semaan; Yifan Sun; Nicolas Englebert; Simon-Pierre Gorza; François Leo

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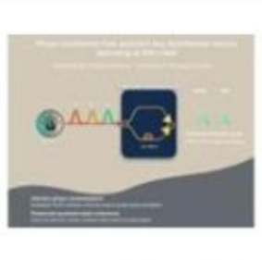

Phase-correlation-free quantum key distribution source operating at gigahertz rates

S. Kumar; A. Marcomini; L. Millet; T. Taher; A. Cavalié; R. Houlmann; D. Cabrerizo; G. Boso; M. Curty; R. Thew; B. Korzh

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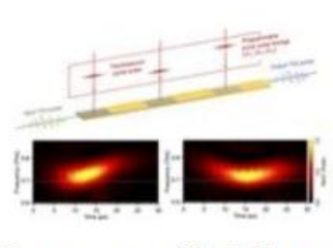

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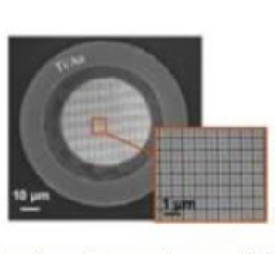

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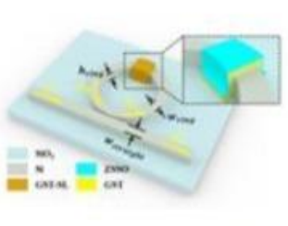

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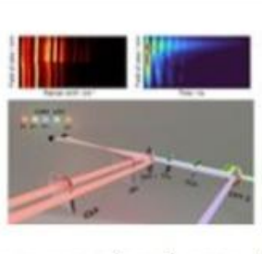

Time-resolved non-linear optical diagnostics for multiscale probing of flow dynamics

Leonardo Castellanos; Francesco R. Mazza; Francesca de Domenico

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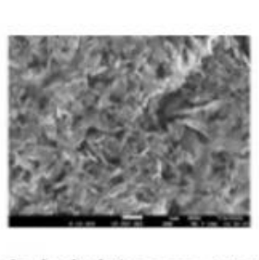

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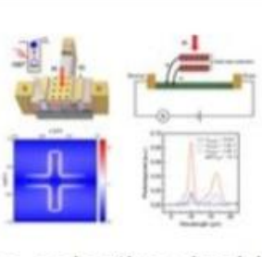

Bias-selective dual-band charge-sensitive infrared phototransistor with partially mode-decoupled cross-hole plasmonic coupling

Shunji Xia; Liuyan Fan; Hao Dai; Jiyang Li; Can Zhou; Yanhui Zhang; Pingping Chen; Zhenghua An; Wei Lu

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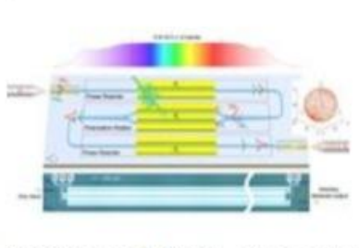

Full-band high-speed arbitrary polarization manipulation leveraged by anisotropic electro-optic modulation in thin-film lithium niobate

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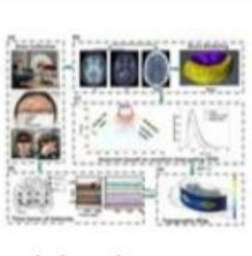

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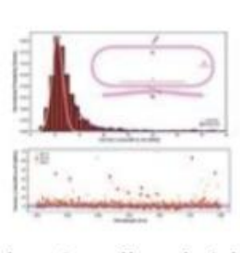

Understanding intrinsic loss in thin-film lithium niobate ring resonators via adiabatic coupling

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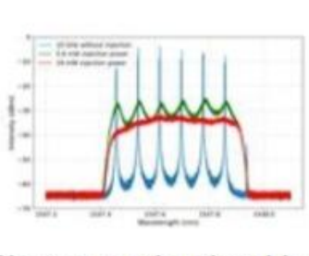

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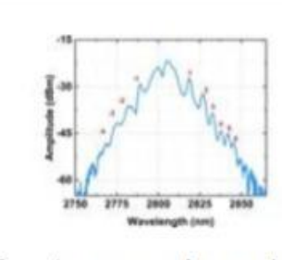

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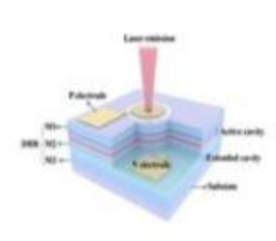

Sub-megahertz narrow linewidth VCSELs with monolithic extended cavity

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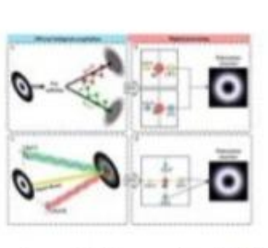

Seeing full vectorial structures of light fields with a single-shot holographic multiplexed detector

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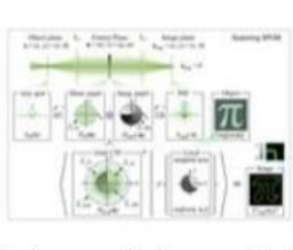

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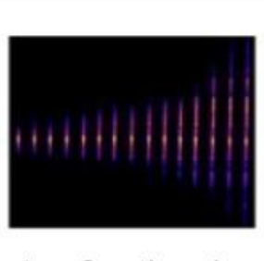

Photorefractive damage thresholds in Zn- and Zr-doped thin-film lithium niobate

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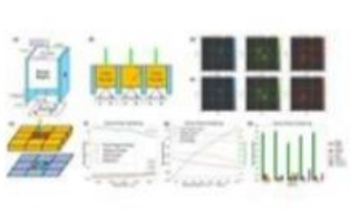

Volumetric metaoptic color sorters at visible wavelengths: A performance analysis for practical applications

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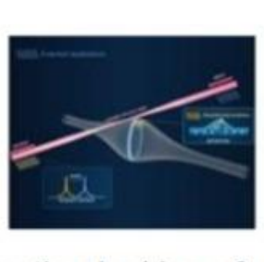

Injection locking of photothermal oscillation in optofluidic microcavities

Xiang Li; Chenkai Ye; Ya Hu; Chang-Ling Zou; Xianzeng Zhang; Qijing Lu

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Ultrafast fractional optical Skyrmions in a gas-filled hollow-core fiber: Theory, nonlinear dynamics, and few-cycle pulse generation

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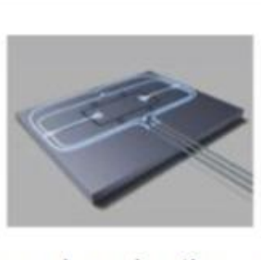

Toward navigation-grade optomechanical accelerometers on a chip

Chang Ge; Daniel Dominguez; Allison Rubenok; Michael Miller; Matt Eichenfield

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Advanced optical polarimetric microscopy reveals spatio-temporal dynamics of cervix remodeling during gestation

V. Abdelsayed; J. Pei; A. Ajmal; D. Giammattei; P. Mahou; G. Latour; J. C. Ramella-Roman; M.-C. Schanne-Klein

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