OPTICAL, PHOTONICS, AND QUANTUM INFORMATION

Observation of the non-linear phase noise in nonlinear optical fibers induced by modulation instability
Pierre-Yves Bony, Matthieu Guy, Jean-Marc Merolla, Alexandre Kudlinski
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Observation of the cross-phase Kerr effect in quantum cascade lasers for ultrafast pulses
Gustavo Wanke, Mikhail A. Belkin, Nathan Shemelya, Tatsuo Iwata, Kenji Fujita, Tadataka Edamura, Nicolas Sanchez, Alexandre Wade, Rama Blanchard, Federico Capasso, Alexey Belyanin
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Ultrafast Kerr-induced beam steering in a photonic crystal waveguide
Ryan Hamerly, Alireza Marandi, Martin Fejer, Yoshihisa Yamamoto, Stefan Spanner
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Ultrafast optical switching in a nonparabolic semiconductor quantum well
Ryan Hamerly, Alireza Marandi, Martin Fejer, Yoshihisa Yamamoto, Stefan Spanner
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Kerr-lens mode-locked Raman laser
Ammon Thompson, Alan Lee, John Sparkes, Dmitry Rudenkov, Alexander Lagatsky, Wilson Sibbett, Paul Dekker, Nicholas Langford, Chris Kränkel, Christian Kränkel, Ulrike Griebner, Valentin Petrov, Jon Anderson, Martin Ams, Graham Marshall, Michael Withford, Alan Brown, Alan Lancaster, Ian Walmsley, Jason Smith, Peter Smith, Chris Hnatovsky, Vladimir Shvedov, Wieslaw Krolikowski, Alexander Rode, Dmitry Neshev, Yuri Kivshar
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Efficient mode conversion through superimposing chirped Bragg gratings
Ivan Divliansky, Tom Mayer, Kenneth Holliday, Vasishtha Ramachandran
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Ultrafast optical switching of a dielectric metasurface
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