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Authors:Scherger, Benedikt (1); Scheller, Maik (2); Vieweg, Nico (1); Cundiff, Steven T. (1); Koch, Martin (1)
Author affiliation:(1) Fachbereich Physik, Philipps Universität Marburg, Renthof 5, 35032 Marburg, Germany; (2) College of Optical Sciences, University of Arizona, 1630 E. University Boulevard, Tucson, AZ, 85721, United States; (3) JILA, National Institute of Standards and Technology, University of Colorado, Boulder, CO 80309-0440, United States
Corresponding author:Scherger, B.(benedikt.scherger@physik.uni-marburg.de)
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Abstract:We present a low-cost terahertz wave plate based on form birefringence fabricated using ordinary paper. Measurements of the transfer function of the wave plate between polarizers closely agree with predictions based on the measured complex indices of refraction of the effective medium. For the design frequency, the dependence on wave plate angle also agrees with theory
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