

Projekta Izp-2020/2-0238 rezultāti

Laika un polarizācijas atkarīgas Kerra spektroskopijas pilnveidošana

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Bundulis, A.; Kim, V. V.; Grube, J.; Ganeev, R. A. Nonlinear refraction and absorption of spectrally tuneable picosecond pulses in carbon disulfide. – Opt. Mater., 2021, 122, <https://doi.org/10.1016/j.optmat.2021.111778>
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3. Bundulis, A.; Shuklov, I. A.; Kim, V. V.; Mardini, A. A.; Grube, J.; Alnis, J.; Lizunova, A. A.; Razumov, V. F.; Ganeev, R. A. Nonlinear absorption and refraction of picosecond and femtosecond pulses in HgTe quantum dot films. – Nanomaterials, 2021, 11 (12), <https://doi.org/10.3390/nano11123351>
4. Kim, V. V.; Bundulis, A.; Grube, J.; Ganeev, R. A. Variation of the sign of nonlinear refraction of carbon disulfide in the short-wavelength region. - Opt. Mater. Express, 2022, 12 (5), 2053-2062, <https://doi.org/10.1364/ome.451733>
5. Zagata, A.; Traskovskis, K.; Belyakov, S.; Mihailovs, I.; Bundulis, A.; Rutkis, M. Dicyanomethylene-functionalized s-indacene-based D- π -A- π -D dyes exhibiting large near-infrared two-photon absorption cross-section. – Dyes. Pigm., 2022, 208, <https://doi.org/10.1016/j.dyepig.2022.110864>



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