

**Development of quantum cascade laser simulation software**  
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**Development of the software tools for simulation of quantum well media for radiation amplification in MIR and THz regions**

**Udal, Andres; Reeder, Reeno; Valusis, G.; Kasalynas, I.; Ikonik, Zoran; Indjin, D.** 3rd Annual Conference of COST Action MP1204 & 6th International Conference on Semiconductor Mid-IR Materials and Optics SMMO2015 : book of abstracts : Institute of Photonics and Electronics, The Czech Academy of Sciences, Prague, Czech Republic, April 8-11, 2015 2015 / p. 63

**Efficiency estimation for a broadband 7 THz radiation source with GaAs/AlGaAs parabolic quantum wells**

**Reeder, Reeno; Ikonik, Zoran; Harrison, Paul; Udal, Andres; Velmre, Enn** The proceedings of the Ninth International Conference on Intersubband Transitions in Quantum Wells : Ambleside, Cumbria, U.K., 9-14th September 2007 2007 / p. P67-2  
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**Laterally pumped GaAs/AlGaAs quantum wells as sources of broadband terahertz radiation**

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**Progress in development of the resonant tunneling diodes as promising compact sources at the THz gap bottom**

**Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonik, Zoran; Indjin, Dragan** THz for CBRN and explosives detection and diagnosis ; 2017 / p. 169-178 [https://doi.org/10.1007/978-94-024-1093-8\\_20 Article collection metrics at Scopus Article at Scopus Article at WOS](https://doi.org/10.1007/978-94-024-1093-8_20)

**Recent progress in development of the resonant tunneling diode sources for the critical part of THz gap**

**Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonik, Zoran; Indjin, Dragan** 4th Annual Conference of COST Action MP1204 & SMMO2016 Conference : Lisbon, Portugal, 21-24 March 2016 2016 / [1] p

**Resonant tunneling devices as the promising sources in THz gap bottom for the security imaging and detection**

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