Split-well resonant-phonon terahertz quantum cascade laser

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Conclusions:

- We experimentally demonstrated a novel SWRP scheme for THz QCLs that has a potential for high temperature operation.
 This scheme allows efficient isolation of the carriers from the continuum and excited states and decreases the overlap
- between the active region and the doped area.
- Strategy to improve the temperature performance of THz QCLs: an increased doping level