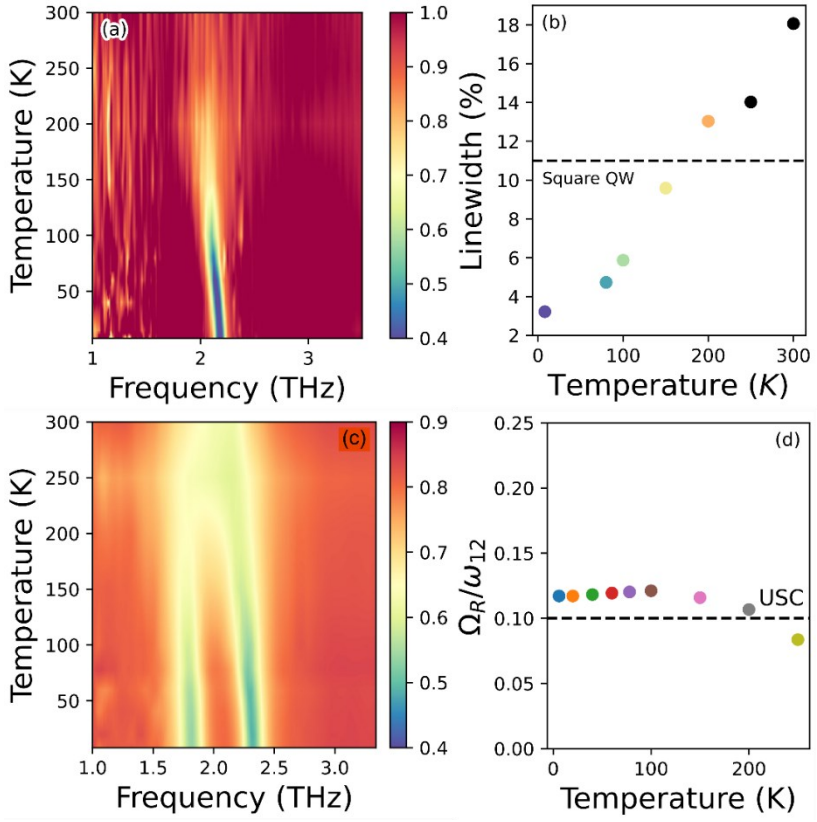
Supplemental page



Above are some of the results discussed in the abstract. (a) Transmittance measurement of a 2.2 THz PQW sample as function of the temperature. (b) Linewidth of the absorption as a function of the temperature. (c) Reflectance measurement of ISP polaritons formed in PQWs in a microcavity, as function of the temperature. (d) Ratio between the Rabi splitting Ω_R and the bare ISB transition frequency, ω_{12}, showing that the system is operating in the ultra-strong coupling regime up to 200 K.