

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Dynamic evolution of the x -electric near-field component of a waveguide-driven nanocavity-emitter system at the critical frequency for qnCPA in the upper polariton state. The global field distribution is displayed on the left-hand side, whilst a magnified view of the nanocavity-emitter region is shown on the right-hand side. See Supplementary Information, Supplementary Note 9 for a full description of the movies.

File Name: Supplementary Movie 2

Description: Dynamic evolution of the z -electric near-field component of a waveguide-driven nanocavity-emitter system at the critical frequency for qnCPA in the upper polariton state. The global field distribution is displayed on the left-hand side, whilst a magnified view of the nanocavity-emitter region is shown on the right-hand side. See Supplementary Information, Supplementary Note 9 for a full description of the movies.

File Name: Supplementary Movie 3

Description: Dynamic evolution of the x -electric near-field component of a waveguide-driven nanocavity-emitter system at the critical frequency for qnCPA in the lower polariton state. The global field distribution is displayed on the left-hand side, whilst a magnified view of the nanocavity-emitter region is shown on the right-hand side. See Supplementary Information, Supplementary Note 9 for a full description of the movies.

File Name: Supplementary Movie 4

Description: Dynamic evolution of the z -electric near-field component of a waveguide-driven nanocavity-emitter system at the critical frequency for qnCPA in the lower polariton state. The global field distribution is displayed on the left-hand side, whilst a magnified view of the nanocavity-emitter region is shown on the right-hand side. See Supplementary Information, Supplementary Note 9 for a full description of the movies.