

Ultrafast Transient Absorption Measurements of Photocarrier Dynamics in PdSe₂

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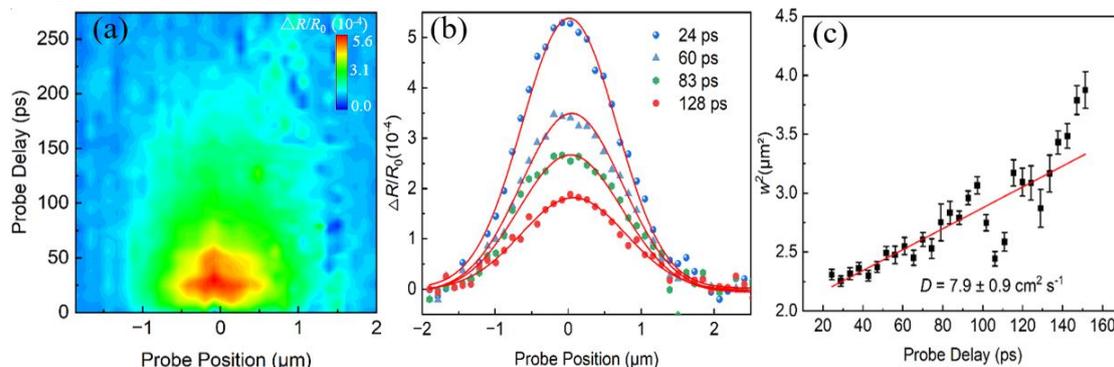


Fig.S1. Differential reflection signal of the bulk PdSe₂ as a function of both the probe delay and the probe position. (b) Few examples of the spatial profiles of the differential reflection signal at probe delays as labeled in the figure. The red curves are Gaussian fits. (c) The squared width of the spatial profiles obtained by Gaussian fits as a function of the probe delay. The linear fit, shown as the red line, gives a diffusion coefficient of about $7.9 \text{ cm}^2 \text{ s}^{-1}$.

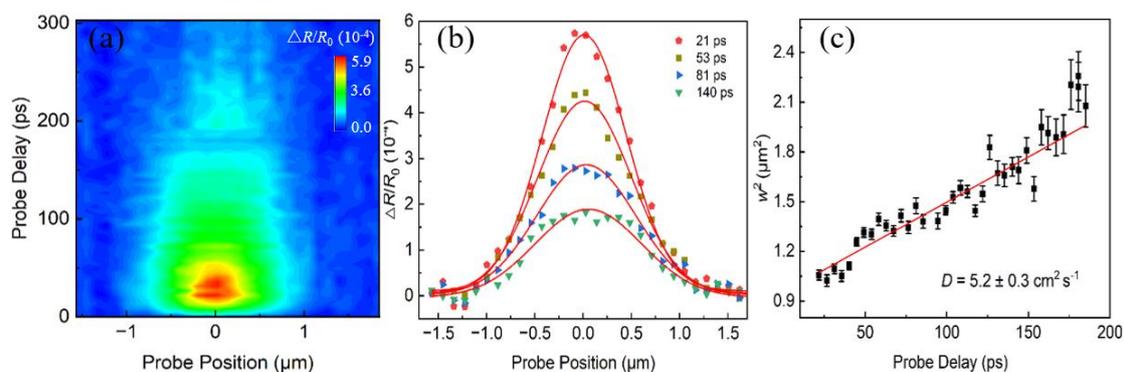


Fig.S2. Differential reflection signal of the bulk PdSe₂ as a function of both the probe delay and the probe position. (b) Few examples of the spatial profiles of the differential reflection signal at probe delays as labeled in the figure. The red curves are Gaussian fits. (c) The squared width of the spatial profiles obtained by Gaussian fits as a function of the probe delay. The linear fit, shown as the red line, gives a diffusion coefficient of about $5.2 \text{ cm}^2 \text{ s}^{-1}$.