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Supporting information

Effects of Three-Dimensional Tensile Strain on Fast Oxygen Diffusion in Au-Dispersed Pr_{1.90}Ni_{0.71}Cu_{0.24}Ga_{0.05}O_{4+δ}

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Figure S1. The left picture shows the measurement point of the Raman spectrometry. Spot (a) is close to aggregated gold, and spot (b) is far from it. The right figure shows the spectrum measured at each point, and a bulk PNCG spectrum is also shown as a comparison. The peak around 580 cm⁻¹ in PNCG was broadened by the Au dispersion, and a new peak was obtained around 460 cm⁻¹ at the point (a) which is close to aggregated Au. This new peak position could be accordance with the peak position mapped in green area in Figure 3.