## **Supplementary Material**

## High-performance broadband photodetectors based on b- $As_{0.5}P_{0.5}$ for infrared optical communication and imaging

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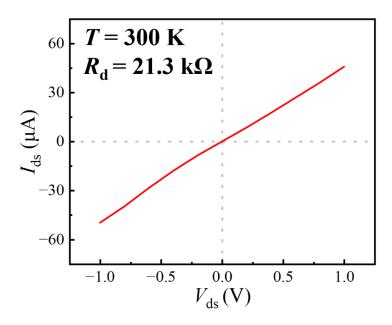


Fig. S1. Output curve of b-As<sub>0.5</sub>P<sub>0.5</sub> device.

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