

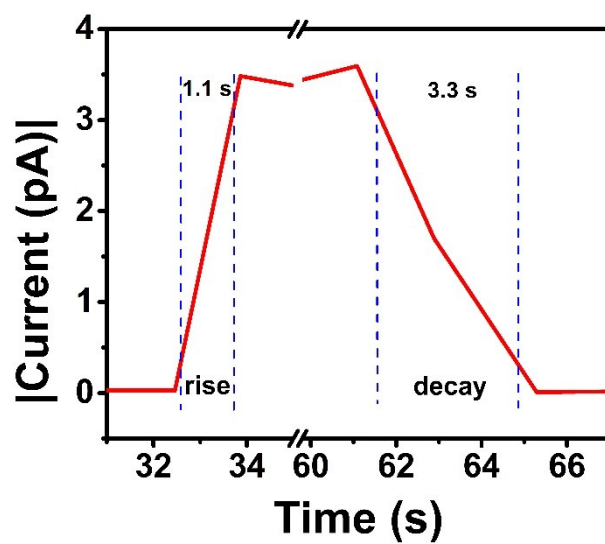
## **Electronic Supplementary Information**

# **High-Sensitivity and Self-Driven Photodetectors based on Ge-CdS Core-Shell Heterojunction Nanowires via Atomic Layer Deposition**

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**Figure S1.** Enlarged rise and decay edges of the temporal photoresponse under the illumination of pulsed light at zero bias voltage.