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# Flexible photodetectors with single-crystalline GaTe nanowires

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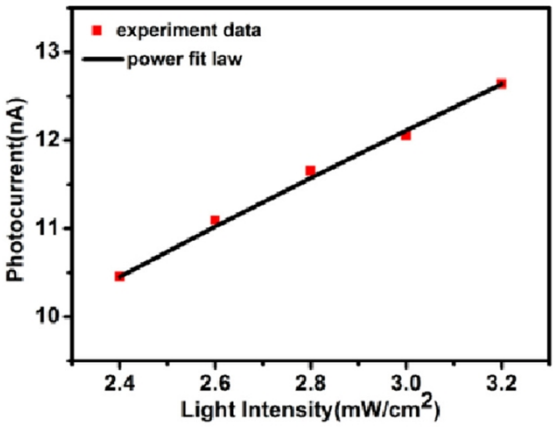


**Fig. S1** The dependence of the photocurrent amplitude on the optical power of the single NW device.

## Bending Test Setup:

During the photoresponse measurement process, we used a one-dimensional slide track (as shown in the following picture, Figure S2) to precisely control the radius of curvature and promise of the same amount of stain we applied each time. This is a very common used method in the flexible device test experiments. During the repeated bending procedure, the bending degree of each time could also be well controlled. The bending radius of the overall device during the bending is much larger than the dimension of one single photodetector as the length of the channel of the device is on the microscale. So the strain applied on the flexible devices has very little effect on a certain single photodetector, and the stable optoelectronic property could be observed.

**Fig. S2** The slide track used in the bending measurement.