

Supporting Information

Fast-response single-nanowire photodetector based on ZnO/WS₂ core/shell heterostructures

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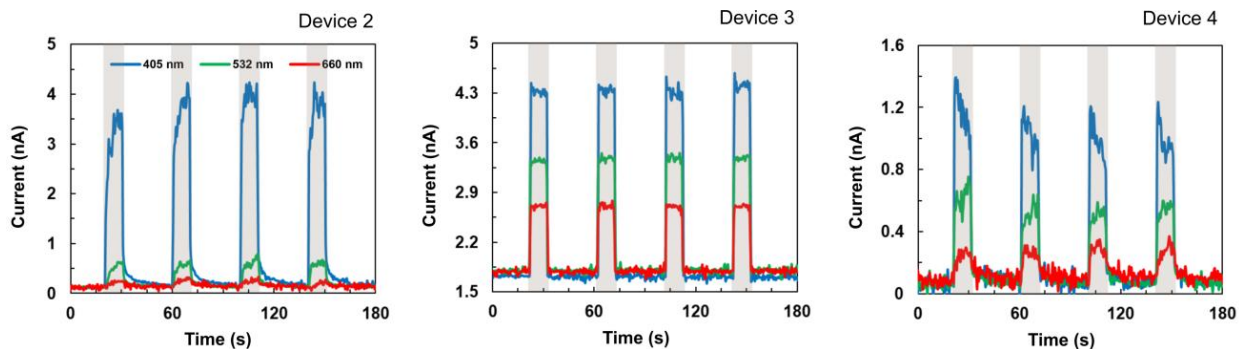


Figure S1. On-off photoresponse measurements of 3 selected ZnO/WS₂ nanowire photodetector devices at 1V bias voltage and light illumination using 0.5 W/cm² light intensity of 405 nm, 532 nm and 660 nm wavelengths.

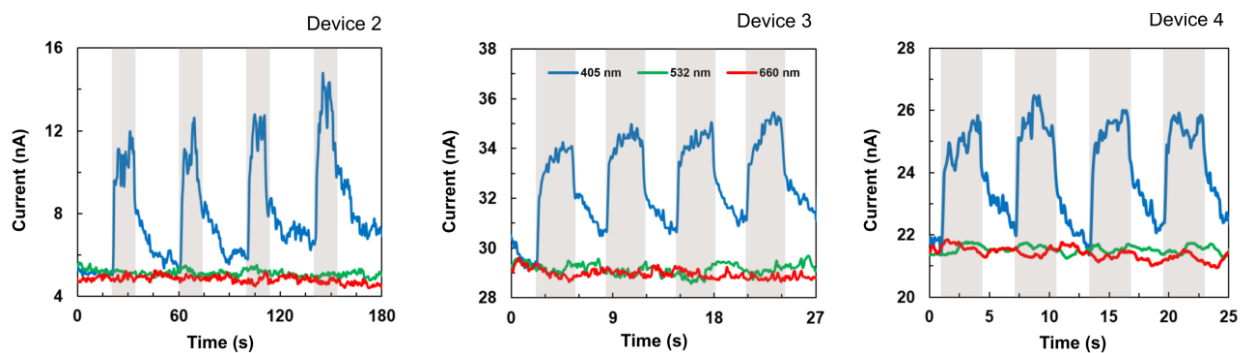


Figure S2. On-off photoresponse measurements of 3 selected ZnO nanowire photodetector devices at 1V bias voltage and light illumination using 0.5 W/cm² light intensity of 405 nm, 532 nm and 660 nm wavelengths.