

Preparation and performance study of photoconductive detector based on $\text{Bi}_2\text{O}_2\text{Se}$ film

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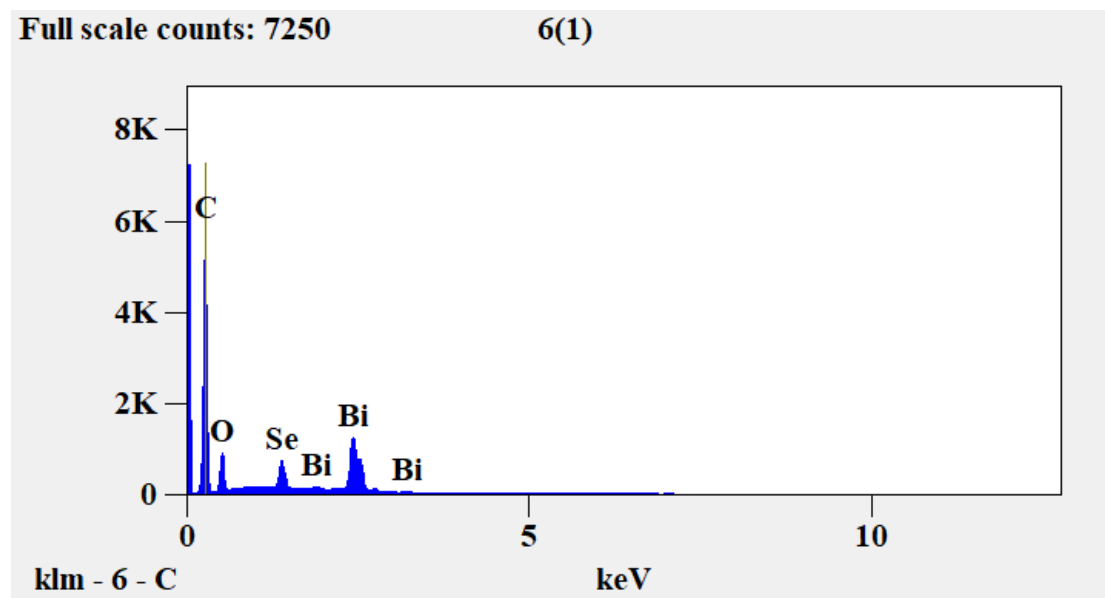


Figure S1. The EDX spectra show the stoichiometric ratio of $\text{Bi}_2\text{O}_2\text{Se}$ sample.

Table S1. The quantitative results for Bi₂O₂Se sample.

<i>Element</i>	<i>Weight %</i>	<i>Weight %</i>	<i>Atom %</i>	<i>Atom %</i>
<i>Line</i>		<i>Error</i>		<i>Error</i>
<i>C K</i>	21.77	± 0.14	64.93	± 0.41
<i>O K</i>	9.24	± 0.21	20.69	± 0.46
<i>Se L</i>	9.02	± 0.24	4.09	± 0.11
<i>Bi M</i>	59.97	± 0.88	10.28	± 0.15
<i>Total</i>	100.00		100.00	

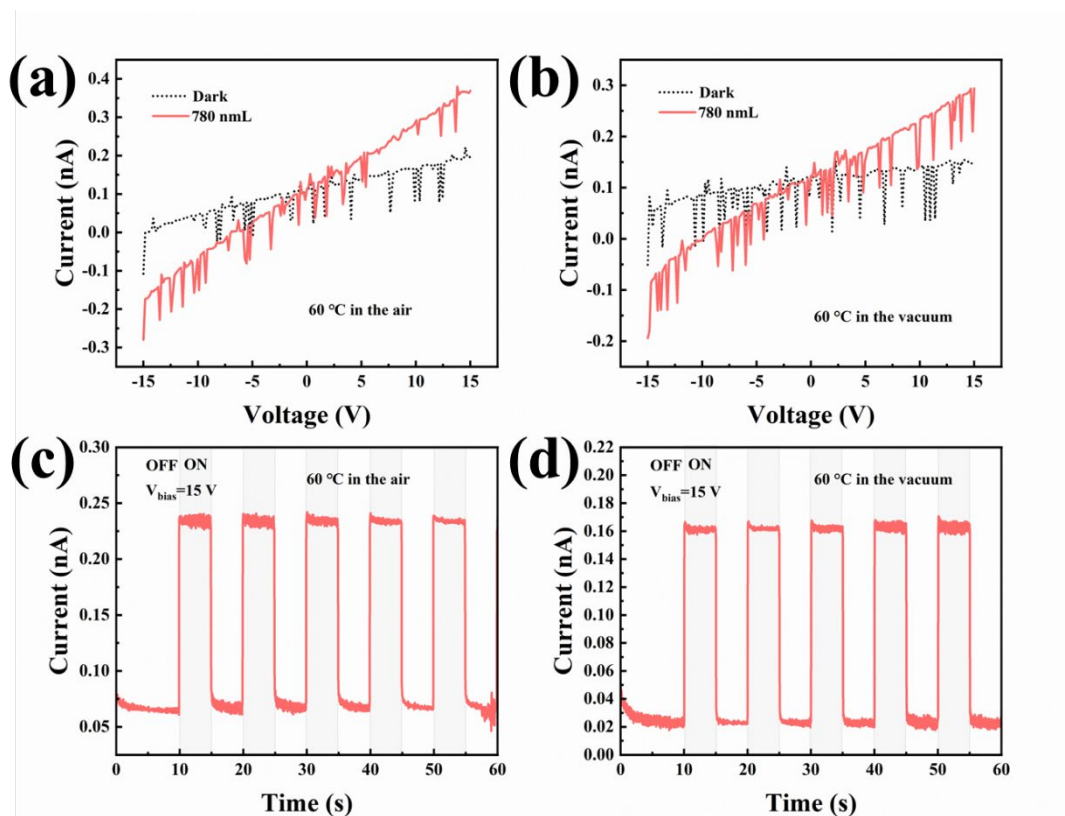


Figure S2. The performance comparison of the photodetectors based on the Bi₂O₂Se film dried at 60 °C, (a, c) in air and (b, d) in vacuum.