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## **Supporting Information**

## SiN-based optoelectronic synaptic devices: enhancing future cognitive computing systems

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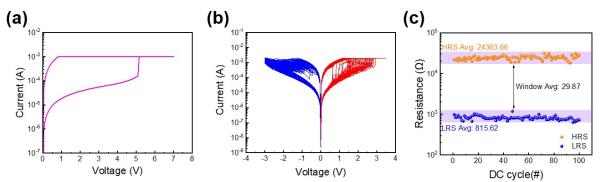


Figure S1. (a) Forming process, (b) I-V characteristics and (c) Endurance of ITO/SiN/TaN device