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## **Graphene based linear tandem micro-supercapacitors**

We demonstrate the printable fabrication of new-type planar graphene-based linear tandem microsupercapacitors (LTMSs) on diverse substrates with symmetric and asymmetric configuration, high-voltage output, tailored capacitance and outstanding flexibility. The resulting graphene-based LTMSs consisting of 10 single device present a high-voltage output of 8 V, the layer by layer graphene/conductive polymer-based LTMSs show enhanced capacitance and the asymmetric LTMSs exhibit higher output voltage and energy density. This work offers numerous opportunities for one-step scalable fabrication of flexible tandem energy storage devices.

## References

[1] X. Shi, Z.-S. Wu, J. Qin, S. Zheng, S. Wang, F. Zhou, C. Sun and X. Bao, Adv. Mater. 29 (2017), 1703034.

## **Figures**

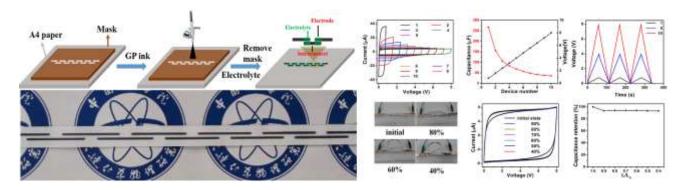
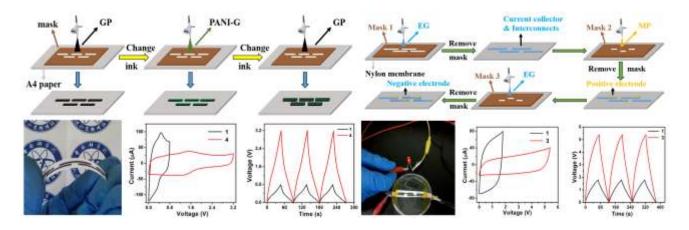


Figure 1: Fabrication schematic and electrochemical performances of graphene based linear tandem microsupercapacitors consisting of 10 single device.



**Figure 2:** Fabrication schematic and electrochemical performances of high-capacitance and asymmetric graphene based linear tandem micro-supercapacitors.