

Supporting Information

A Simple SVS Way to Obtain Large-scale WO₃ Nanowire Cold Cathode Emitters at Atmospheric Pressure and Low Temperature

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Stable emission behaviors of the WO₃ nanowires after treatments

A long-term conditioning procedure of 6 hours was performed on the WO₃ nanowires before their J-E curves and FN plots were recorded. The treating field was kept at 4.4 V/ μm in a continuous treatment procedure. After the treatment was over, the J-E curves and FN plots of one sample was obtained, as shown in Fig. S1. It is obviously seen that these curves are stable and repeatable, which suggests this conditioning procedure have reached our treatment goal. In this case, a typical J-E curve and their corresponding FN plots are chosen to appear in the manuscript because they can represent the true emission properties of the WO₃ nanowires.

Figure captions

Figure S1. J-E curves of the WO₃ nanowires in several measurement cycles. Their corresponding FN plots are shown in the inset.

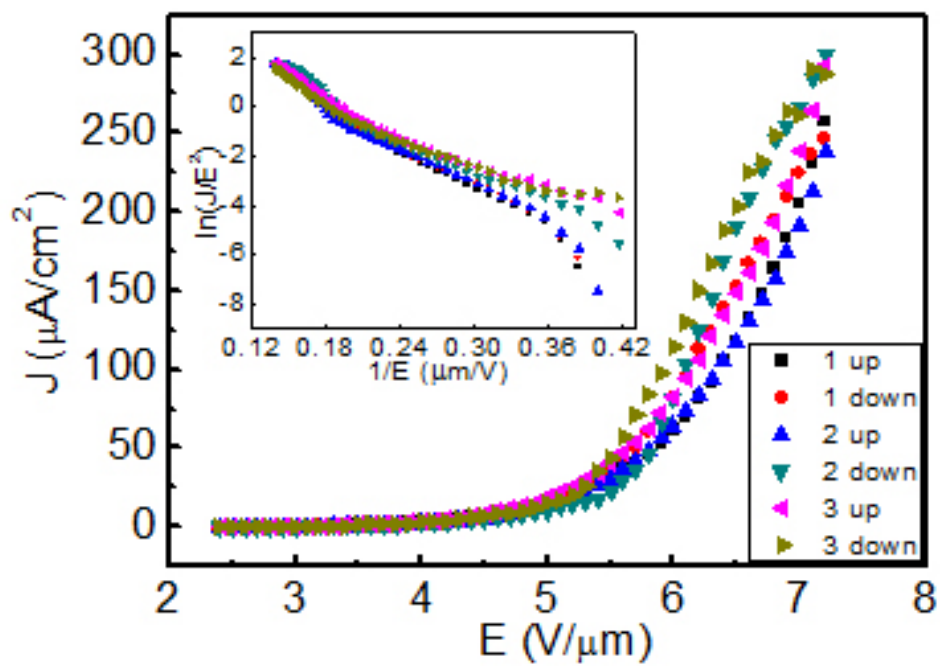


Figure S1

(Z. Xu et al., *submitted to CrystEngComm*)