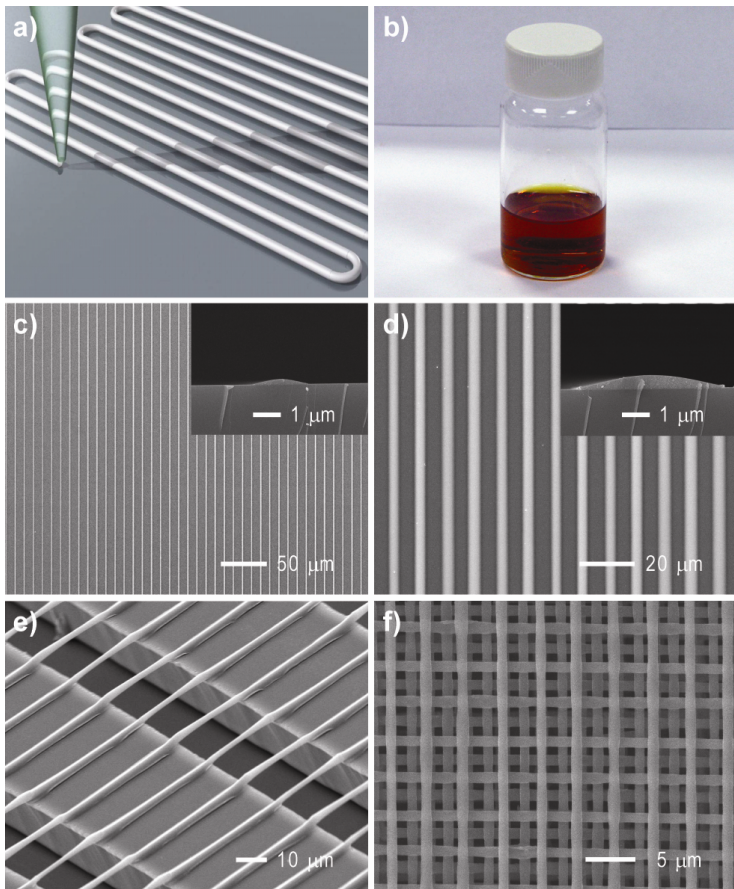




Transparent conductive oxide microelectrodes

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- Transparent conducting oxide (TCO) electrodes are finding increasing application in photovoltaics, displays, and other optoelectronic devices.
- Sn-doped indium oxide (ITO)-based sol-gel ink was developed for patterning planar, spanning, and three-dimensional TCO microelectrode arrays.
- Direct-write assembly is a robust printing approach for creating 1D to 3D architectures composed of filamentary features.
- This assembly method opens new avenues for fabricating printed electronic and optoelectronic devices in unusual layouts.

Ahn et al., Chem. Comm. 46, 7118 (2010)