

Materials List for:

Atomically Defined Templates for Epitaxial Growth of Complex Oxide Thin Films

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URL: <https://www.jove.com/video/52209>

DOI: [doi:10.3791/52209](https://doi.org/10.3791/52209)

Materials

Name	Company	Catalog Number	Comments
tetra-n-butyl ammonium hydroxide (40 wt% aq)	Alfa Aesar	L02809	corrosive
Langmuir Blodgett setup (include trough, barriers, Wilhelmy plate, frame etc.)	KSV NIMA	see catalogue behind link for multiple options	http://www.ksvnima.com/file/brochures-2/ksvnimallbaccessoryandmodules23-8-2013.pdf
Buffered hydrogen fluoride (NH ₄ F:HF = 87.5:12.5)	Sigma Aldrich	40207	Hazard statements: H301-H310-H314-H330, precautionary statements: P260-P280-P284-P301 + P310-P302 + P350-P305 + P351 + P338
NaOH (reagent grade)	Sigma Aldrich	S5881	Hazard statements: H290-H314, precautionary statements: P280-P305 + P351 + P338-P310, product purchased as pellets, the 12 and 1 M solutions should be made from these pellets.
Tube furnace (Barnstead 21100)	Sigma Aldrich	Z229725	
STO and DSO substrates	CrysTec GmbH, Germany		www.crystec.de , size used 5 x 5 x 0.5 mm ³