

Materials List for:

Patterning via Optical Saturable Transitions - Fabrication and Characterization

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URL: <https://www.jove.com/video/52449>

DOI: [doi:10.3791/52449](https://doi.org/10.3791/52449)

Materials

Name	Company	Catalog Number	Comments
Isopropanol	Fisher Scientific	P/7500/15	CAUTION: flammable, use good ventilation and avoid all ignition sources.
Buffered Oxide Etch			
Methanol	Ricca Chemical	48-293-2	CAUTION: flammable, use good ventilation and avoid all ignition sources.
Ethylene Glycol	Sigma-Aldrich	324558	CAUTION: Harmful if swallowed
Silicon wafer			
Diamond Scribe			
Glass Beakers			
Tweezers	Ted Pella	5226	
Reactive Ion Etching System	Oxford	Plasma Lab 80 Plus	
Inert Atmosphere Sample Holder	Proprietary In-house Designed		
Polarizing beamsplitter cube	Thorlabs	PBS052	
HeNe Laser	Melles Griot	25-LHP-171	CAUTION: Wear safety glasses
Half-wave plates	Thorlabs	WPH05M-633	
Thermal Evaporator	Proprietary In-house Designed		
TMV Super	TM Vacuum Products	TMV Super	
Voltammograph	Bioanalytical Systems	CV-37	
Shortwave UV lamp 365 nm	UVP Analytik Jena Company	UVGL-25	CAUTION: Wear UV safety glasses