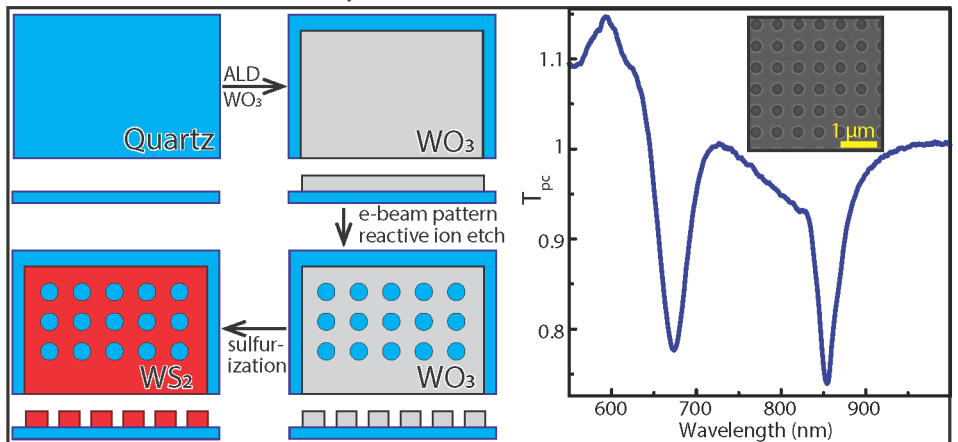
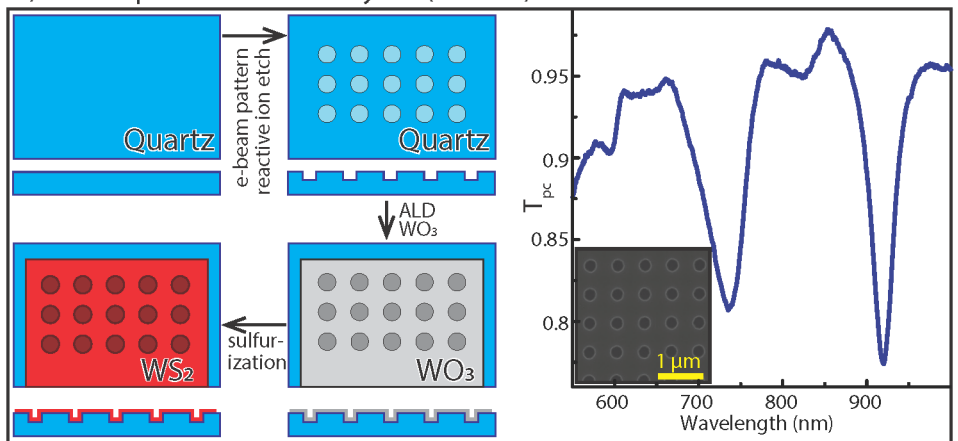


c) 2D Patterned Photonic Crystal (2D-PPC)



d) 2D Templated Photonic Crystal (2D-TPC)



2D photonic structure fabrication and optical response. (a) Simple 2D patterned photonic crystal slabs can be prepared by patterning of the metal oxide followed by subsequent conversion. The normalized transmission at normal incidence (T_{PC}) shows two strong features. (b) WS_2 conformal coatings on quartz photonic crystal slabs yield similar TPC phenomena.