

Electronic Supplementary Information (ESI) for

High-pressure Bandgap Engineering and Amorphization in TiNb_2O_7 Single Crystals

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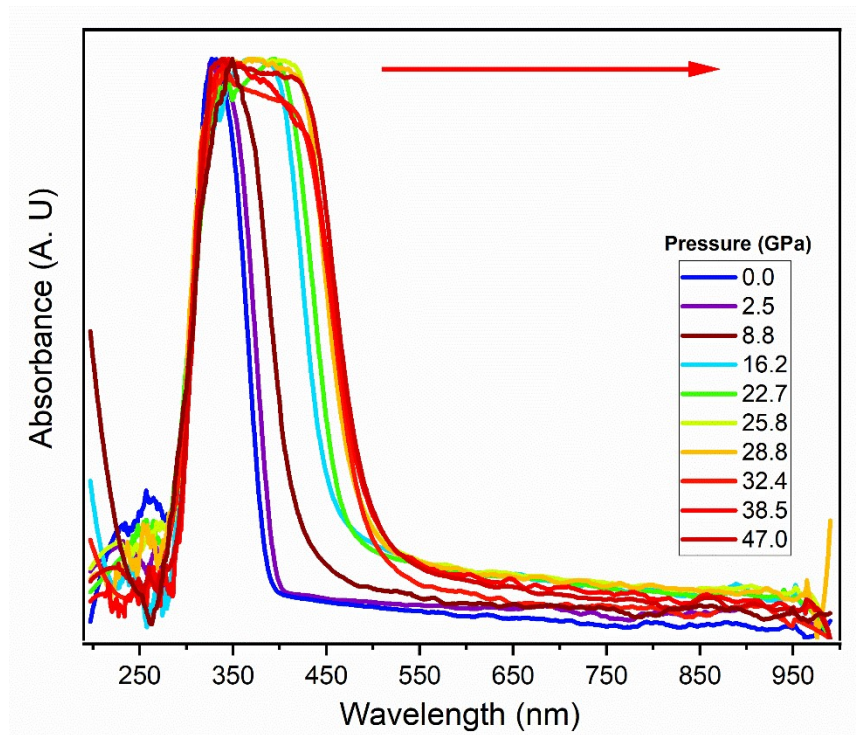


Figure S1. The absorption spectra of TiNb_2O_6 single crystal at various pressure from 190 nm to 1000 nm.

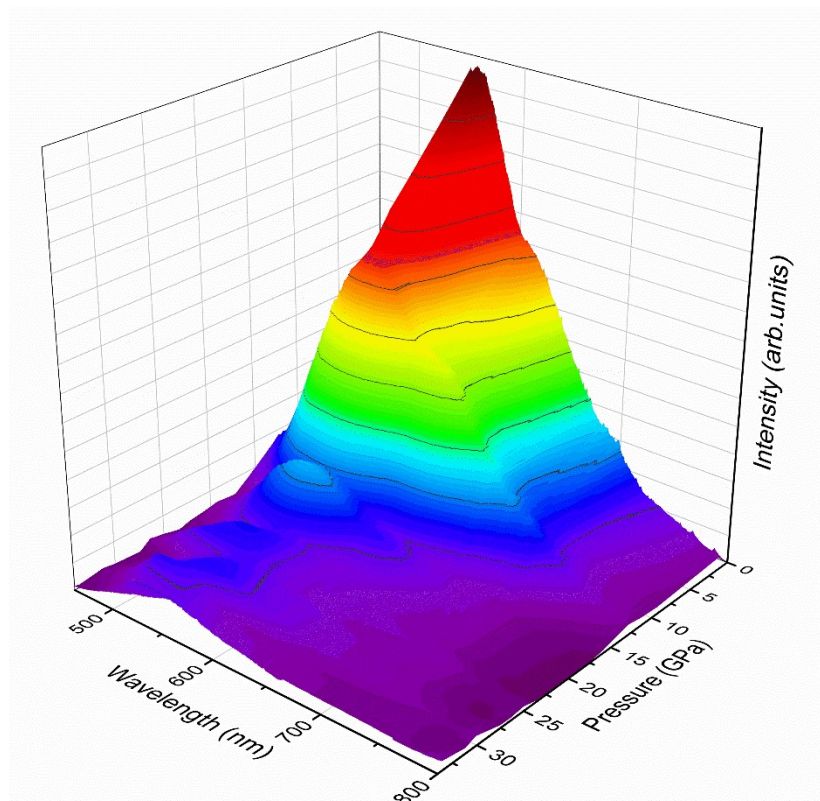


Figure S2. The photoluminescence spectra of TiNb_2O_6 single crystal at various pressure excited by 325 nm laser. The intensity of photoluminescence decreased with increasing pressure without the changing in central wavelength.

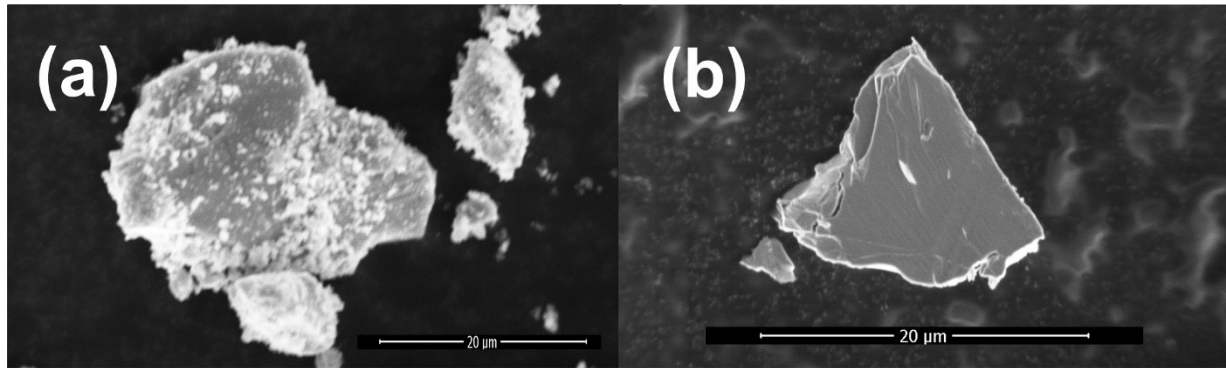


Figure S3. (a) The Scanning electron microscope (SEM) image of TiNb_2O_6 single crystal powder before compression. (b) The SEM image of TiNb_2O_6 single crystal after compression.