

Supplementary Material

Synthesis and High-pressure Studies of Strontium Diazenide by Synchrotron X-ray Diffraction and DFT Calculations

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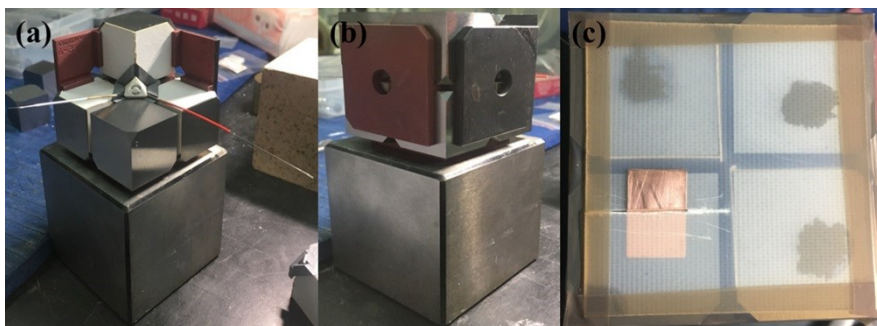


Figure S1. The sample was carefully filled into a cylindrical boron nitride crucible and the process of assembling the sample. (a) MgO-octahedra was used as pressure transmitting media. And the tungsten-rhenium thermocouple was used to measure temperature. (b) Preliminary assembly of eight tungsten carbide anvils. (c) Assembled tungsten carbide anvils. Cu sheet was used to conduct electricity, and electric current passed through rhenium tube to heat the sample according to the Joule's Law.

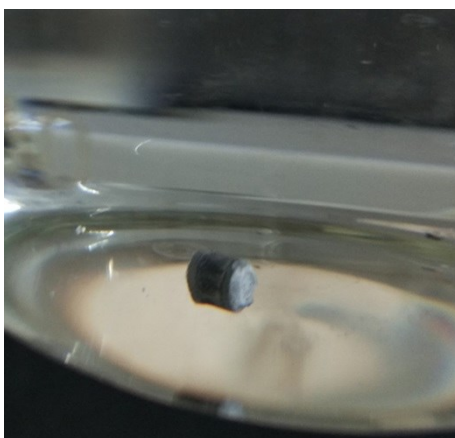


Figure S2. The synthesized samples were 2.5 mm in diameter and 2 mm in height, which were placed in silicone oil owing to be extremely sensitive to moisture.