

## **Description of Additional Supplementary Files**

**File Name:** Supplementary Movie 1

**Description:** RTP phenomena and mechanical properties of the 3D printed lattice structures at different photocuring times.

**File Name:** Supplementary Movie 2

**Description:** RTP phenomena and mechanical properties of the 3D printed lattice structures after different humid treatments.

**File Name:** Supplementary Movie 3

**Description:** Failure monitoring of local mechanical properties of 3D printed table structure.