

**Electronic Supplementary Information (ESI)**

**Robust Urethane-Bridged Silica Aerogels Available for Water-Carved  
Aerosculptures**

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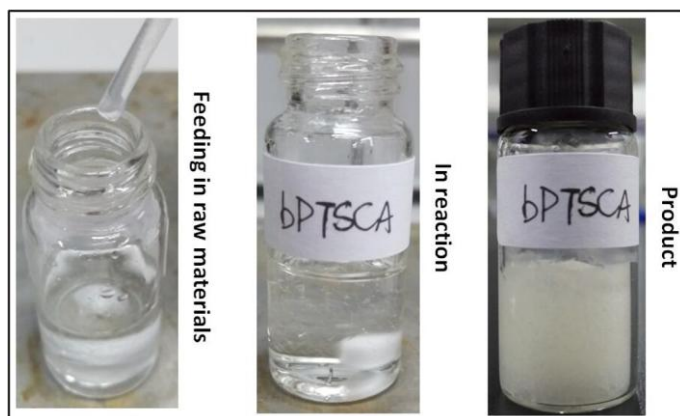


Fig. S1 Synthesis process of bPTSCA

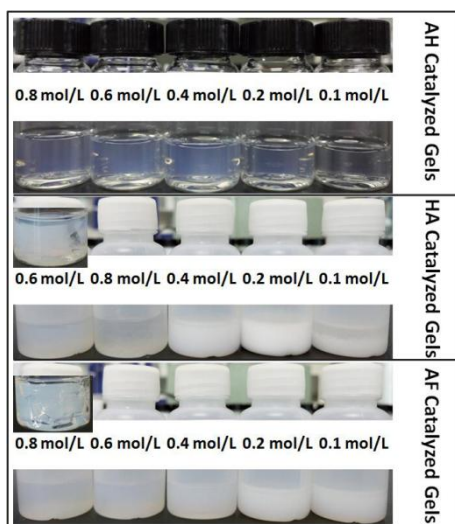


Fig. S2 Gels catalyzed by different catalysts. The insets were the corresponding gels (prepared in sealed glass bottles) with syneresis and crack after aging for some time

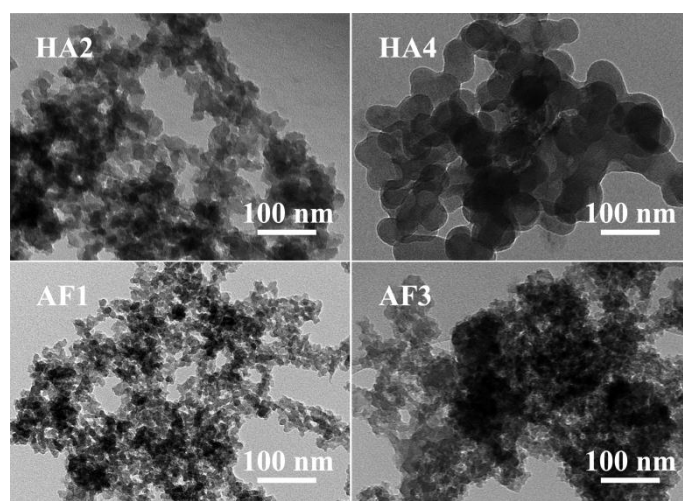


Fig. S3 TEM images of urethane-bridged silica aerogels of HA2, HA4, AF1 and AF3

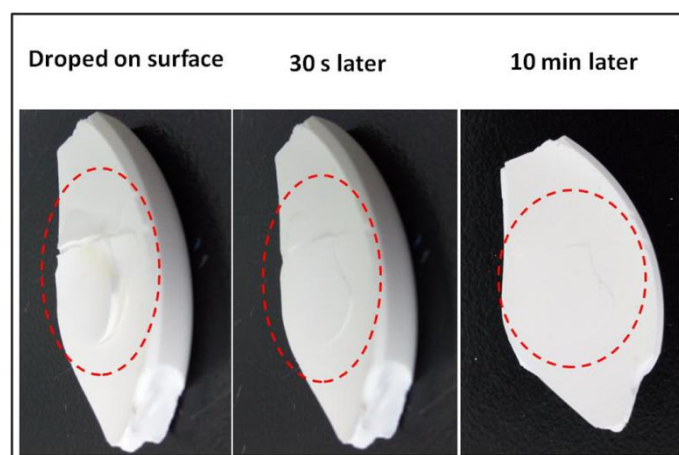


Fig. S4 Invalid carving on urethane-bridged silica aerogel by hexane