

Supporting Information for

Silica nanoparticle-reinforced cellulose aerogels with enhanced thermal stability for efficient thermal insulation

Miao Liu ^a, Qiao Wang ^a, Ruliang Li ^b, Shaoqian Zhang ^a, Zhiyu Huo ^a,
Yikai Zhu ^a, Zhi Li ^a, Xiaoxu Wu ^a, Shuai Li ^{a*}

^a *School of Resources and Safety Engineering, Central South University, 410083
Changsha, P.R. China*

^b *Xiandai Investment Co.,Ltd. Changsha Branch, 410208 Changsha, P.R. China*

Corresponding authors

Shuai Li, E-mail: shuaige@csu.edu.cn

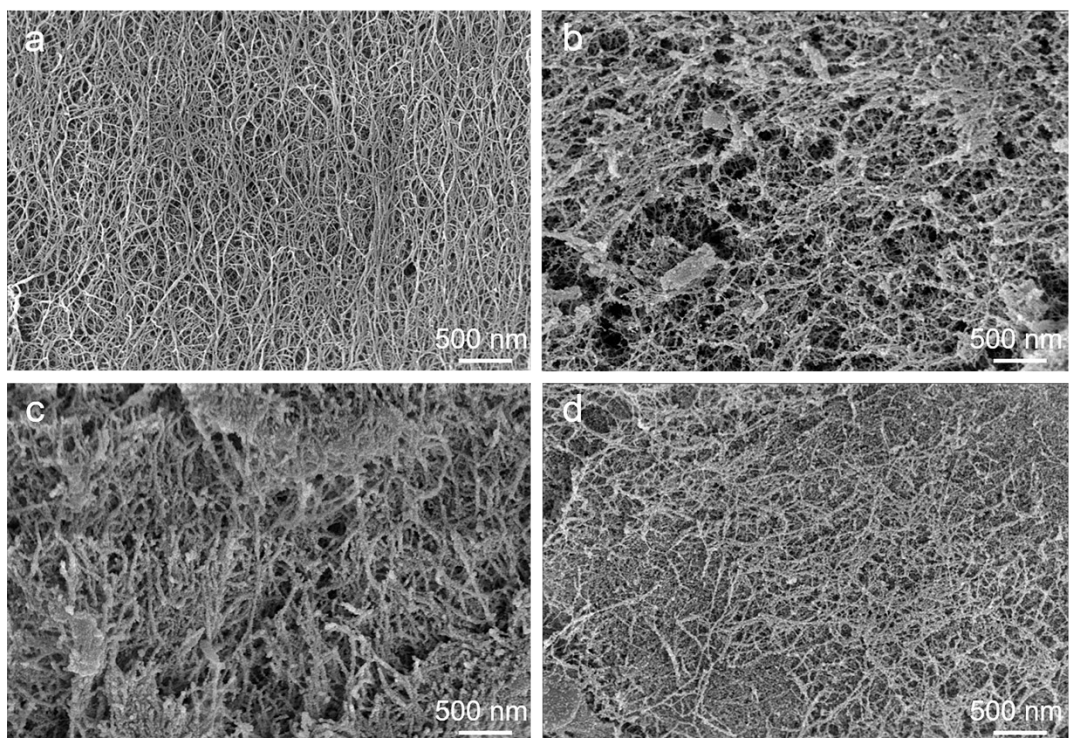


Fig. S1. SEM images of PTCNF and PTCNF/Si composite aerogels: (a) PTCNF, (b) PTCNF/Si-0.5, (c) PTCNF/Si-1.0, (d) PTCNF/Si-1.5

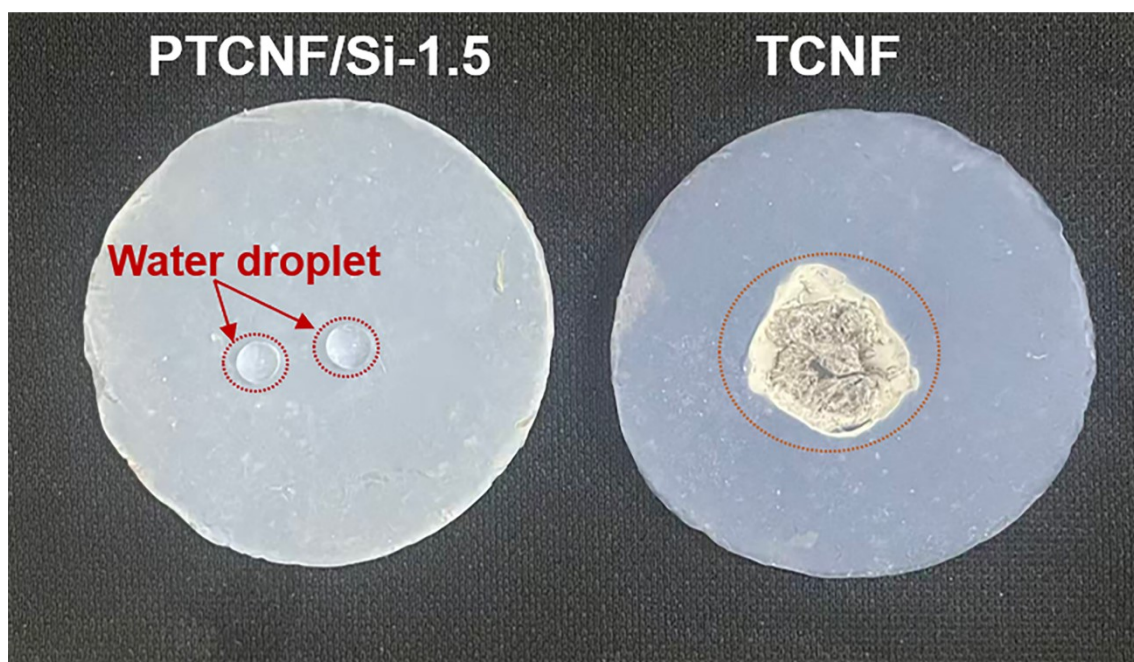


Fig. S2. Digital photographs of water droplets on TCNF and PTCNF/Si-1.5 surfaces