Electronic Supplementary Information

A versatile and efficient method to fabricate durable superhydrophobic surfaces on wood, lignocellulosic fiber, glass, and metal substrates

Yiqiang Wu\textsuperscript{a, b, #}, Shanshan Jia\textsuperscript{a, #}, Yan Qing\textsuperscript{a, b, *}, Sha Luo\textsuperscript{a}, and Ming Liu\textsuperscript{a}

\textsuperscript{a} College of Materials Science and Engineering, Central South University of Forestry and Technology, Changsha 410004, China
\textsuperscript{b} Hunan Provincial Collaborative Innovation Center for High-efficiency Utilization of Wood and Bamboo Resources, Central South University of Forestry and Technology, Changsha 410004, China
\textsuperscript{#} These authors contributed equally to this work and share first authorship.
\textsuperscript{*}E-mail: qingyan0429@163.com
Supporting Figures and Movies

**Figure S1.** Schematic illustration of the sandpaper abrasion test

**Figure S2.** Soil and sawdust were used as dirt to test the self-cleaning effect of the superhydrophobic surface

**Figure S3.** The as-prepared surface shows both superhydrophobic and superoleophilic properties

**Movie S1** Water droplet bouncing test

**Movie S2** Various types of abrasion tests including knife-scratching test, finger-wiping test and brushing test

**Movie S3** Self-cleaning test
**Figure S1.** Schematic illustration of the sandpaper abrasion test

**Figure S2.** Soil and sawdust were used as dirt to test the self-cleaning effect of the superhydrophobic surface

**Figure S3.** The as-prepared surface shows both superhydrophobic (left) and superoleophilic properties (right)