

Shape-controlled hydrothermal synthesis of superhydrophobic and superoleophilic BaMnF₄ micro/nanostructures

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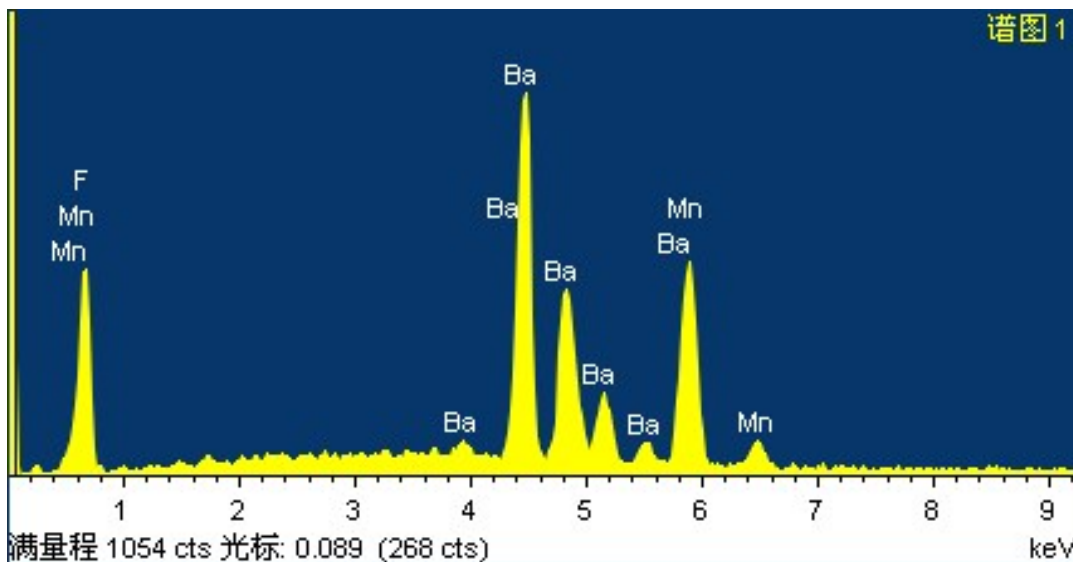


Figure S1. the EDS patterns of the samples prepared via hydrothermal method under pH=4 at 160 °C for 24 h.

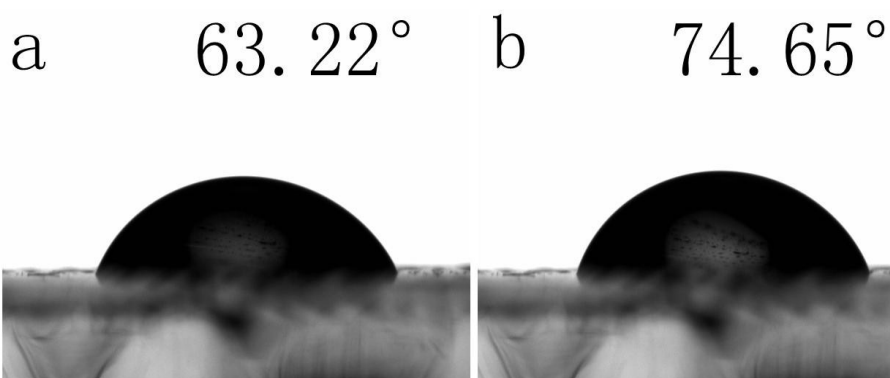


Figure S2. CAs of water droplets on the surfaces of different glass. (a) none, (b) modified by stearic acid.

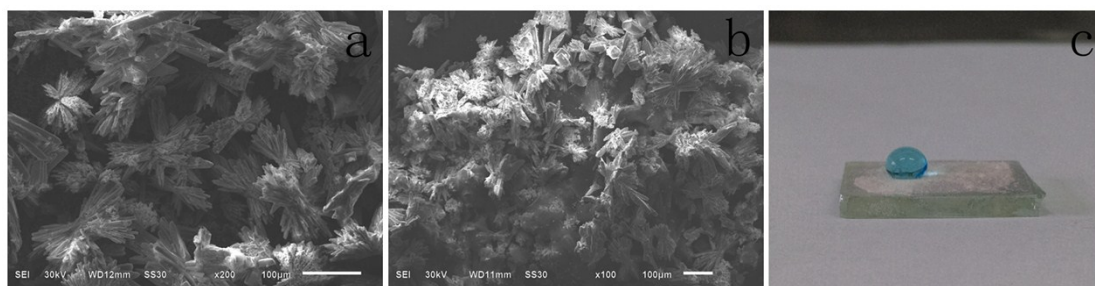


Figure S3. SEM images of the films (a) before ultrasonic concussion (b) after

ultrasonic concussion, (c) photo of a water droplet on the film after ultrasonic concussion.

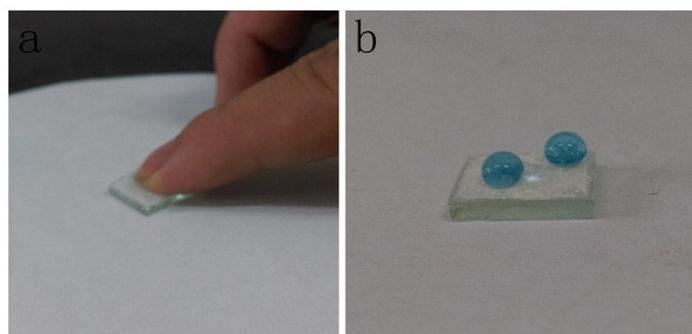


Fig. S4. (a) The BaMnF_4 surface remained superhydrophobic upon being touched by a finger, and (b) water droplets exhibited spherical shape on the touched fabric surface.