

Supporting Information

Accelerating the self-healing of superhydrophobicity through photothermogenesis

Yanhua Liu ^{a,b}, Xiaowei Pei ^b, Zhilu Liu ^{b*}, Bo Yu ^{b*}, Pengxun Yan ^{a,b} and Feng Zhou^b

^a. School of Physical Science and Technology, Lanzhou University, Lanzhou
730000, China.

^b. State Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical
Physics, Chinese Academy of Sciences, Lanzhou 730000, China.

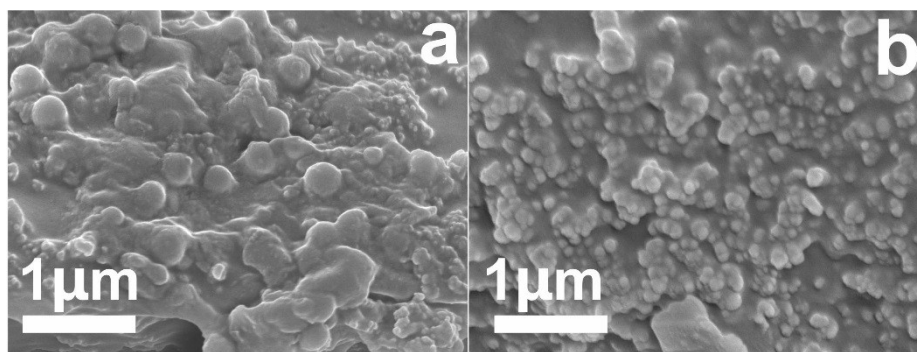


Figure S1. SEM images of cotton fabric coated with PDA@ODA-Fe₃O₄ nanocapsules before and after NIR light irradiation.

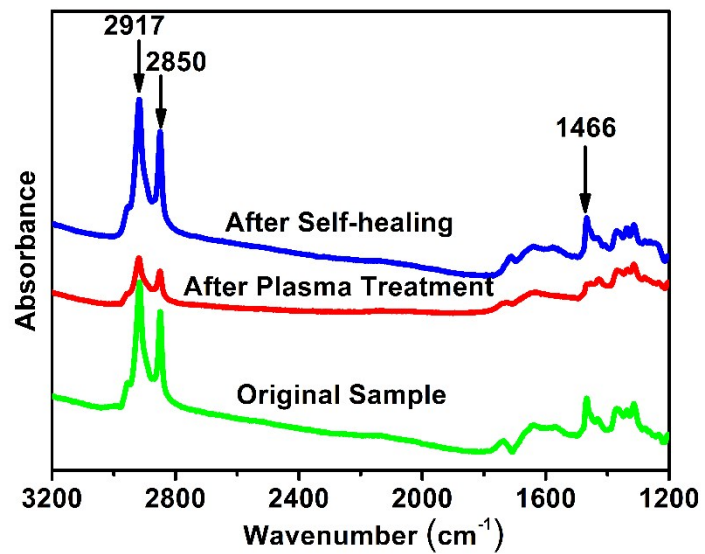


Figure S2. ATR-FTIR spectra of cotton fabric coated with PDA@ODA-Fe₃O₄ nanocapsules, treated with plasma and NIR light irradiation.