

Supporting Information

Transparent luminescent nanopaper based on graphitic carbon nitride nanosheets grafted oxidized cellulose nanofibrills with excellent thermal and mechanical properties

Lan Mu^a, Liyi Shi^a, Yanqin Wang^a, Qianfan Zhou^b, Jinhong Ye^b, Xin Feng^{a,*}

^a Research Center of Nano Science and Technology, and School of Material Science and Engineering, Shanghai University, Shanghai 200444, PR China

^b Department of Chemistry, College of Science, Shanghai University, Shanghai 200444, PR China

^c Corresponding Author:

^c Email: fengxin@shu.edu.cn (X. Feng).

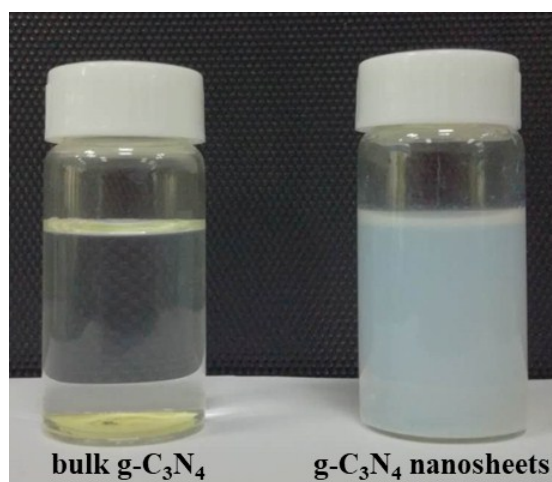


Figure S1. Optical images of bulk g-C₃N₄ and g-C₃N₄ nanosheets solutions after storage for more than a month.

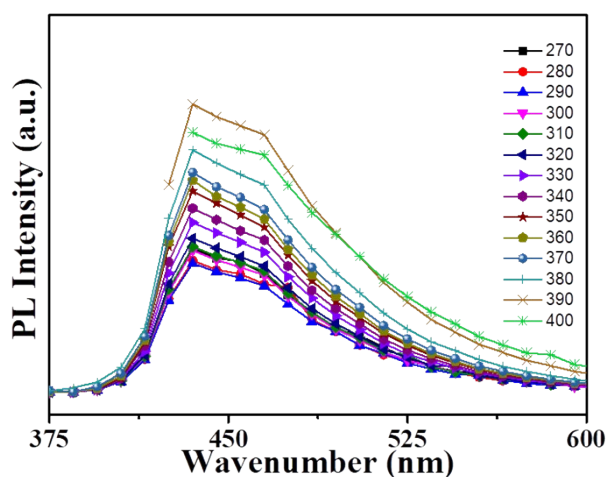


Figure S2. Photoluminescence spectra of as-obtained g-C₃N₄ nanosheets under different excitations.

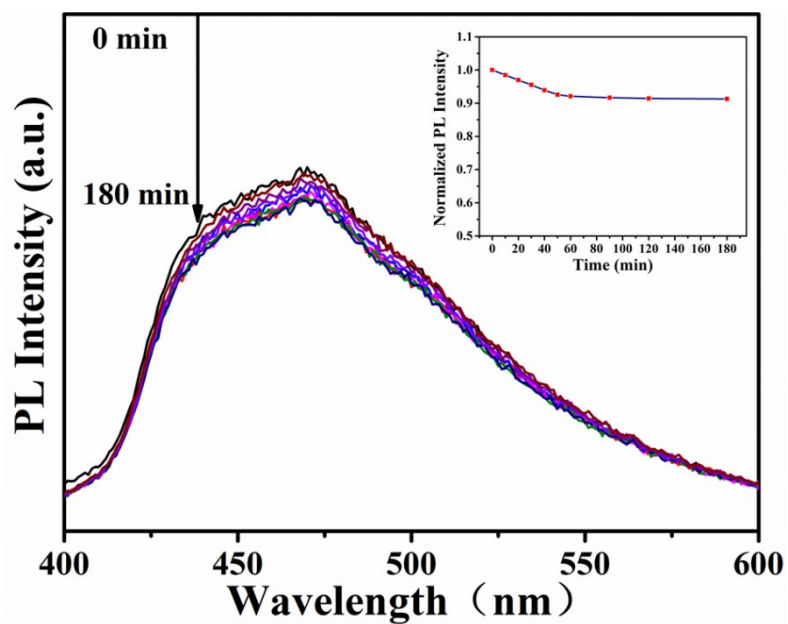


Figure S3 Photostability of the luminescent g-C₃N₄@TCNF nanopaper (6 wt%) irradiated with a laser excited at 365 nm for various time points (inset, normalized fluorescence intensity).

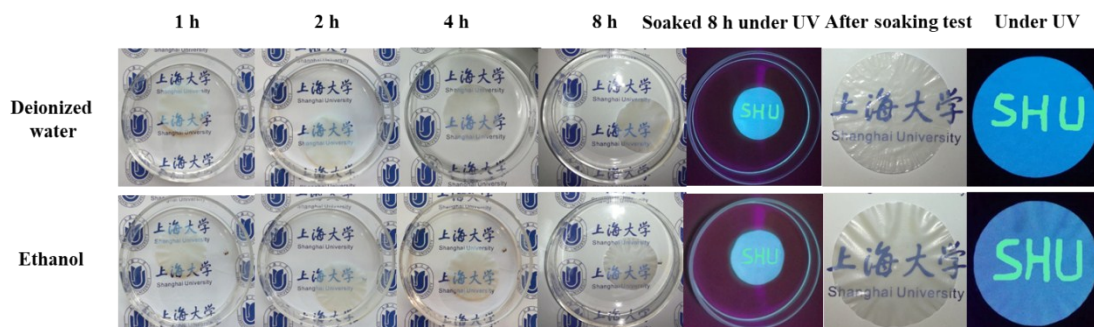


Figure S4 Digital pictures of the g-C₃N₄@TCNF nanopaper (6 wt %) soaked in deionized water and ethanol for 1 h, 2 h, 4 h, 8 h and under drying conditions.