

Figure S1. SEM images of D-arginine-assisted TCPP nanofibers on graphene.

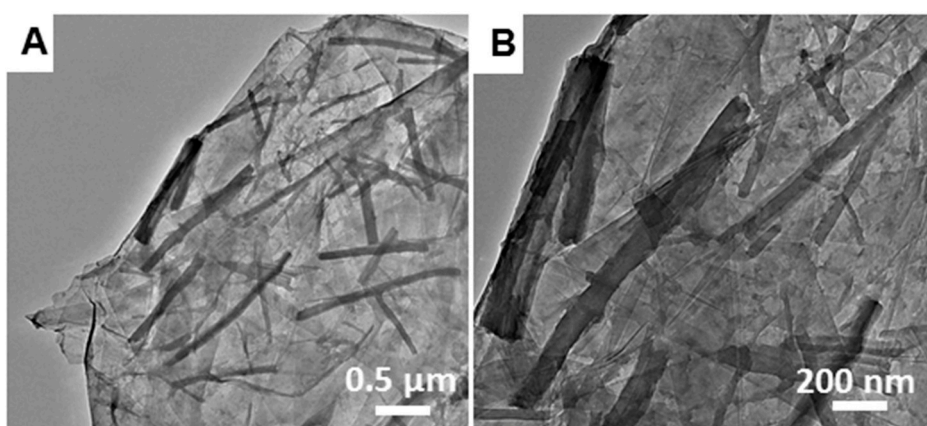


Figure S2. TEM images of D-arginine-assisted TCPP nanofibers on graphene.

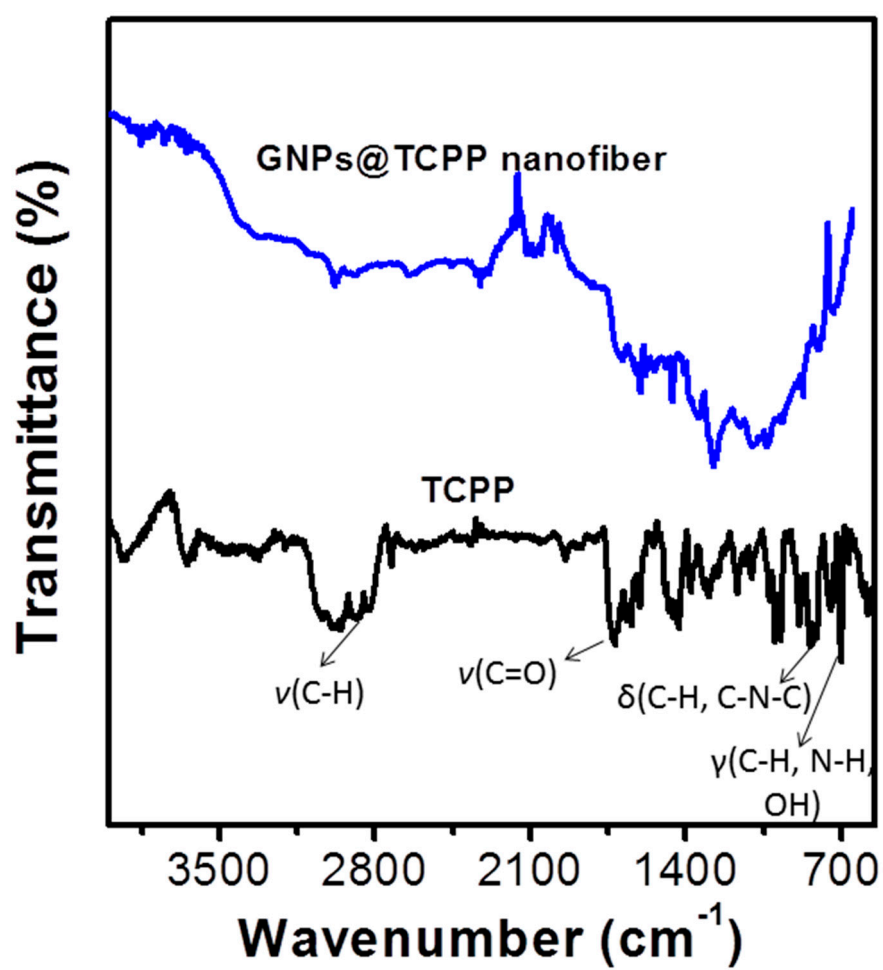


Figure S3. FTIR spectra of monomeric TCP molecules (black line) and GNP@TCP nanofibers (blue line)

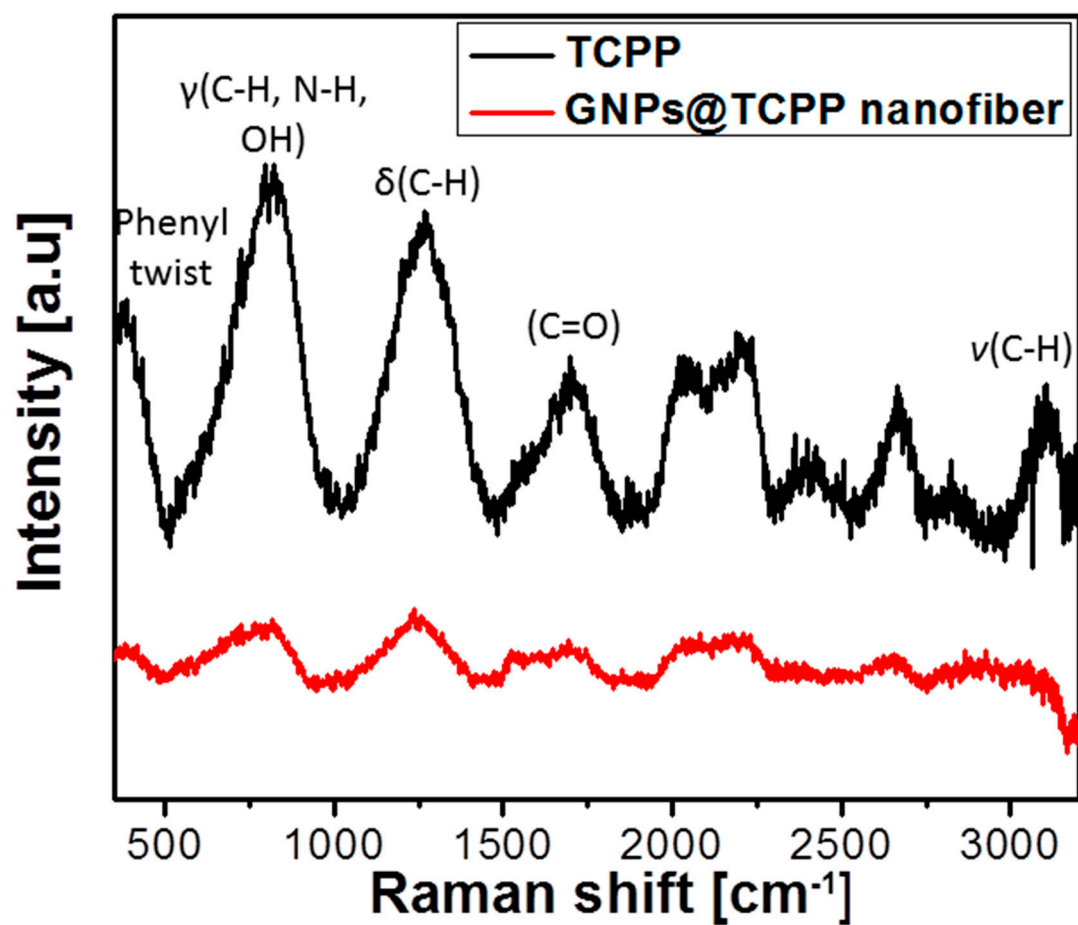


Figure S4. Raman spectra of monomeric TCPP molecules (black line) and GNPs@TCPP nanofibers (red line)

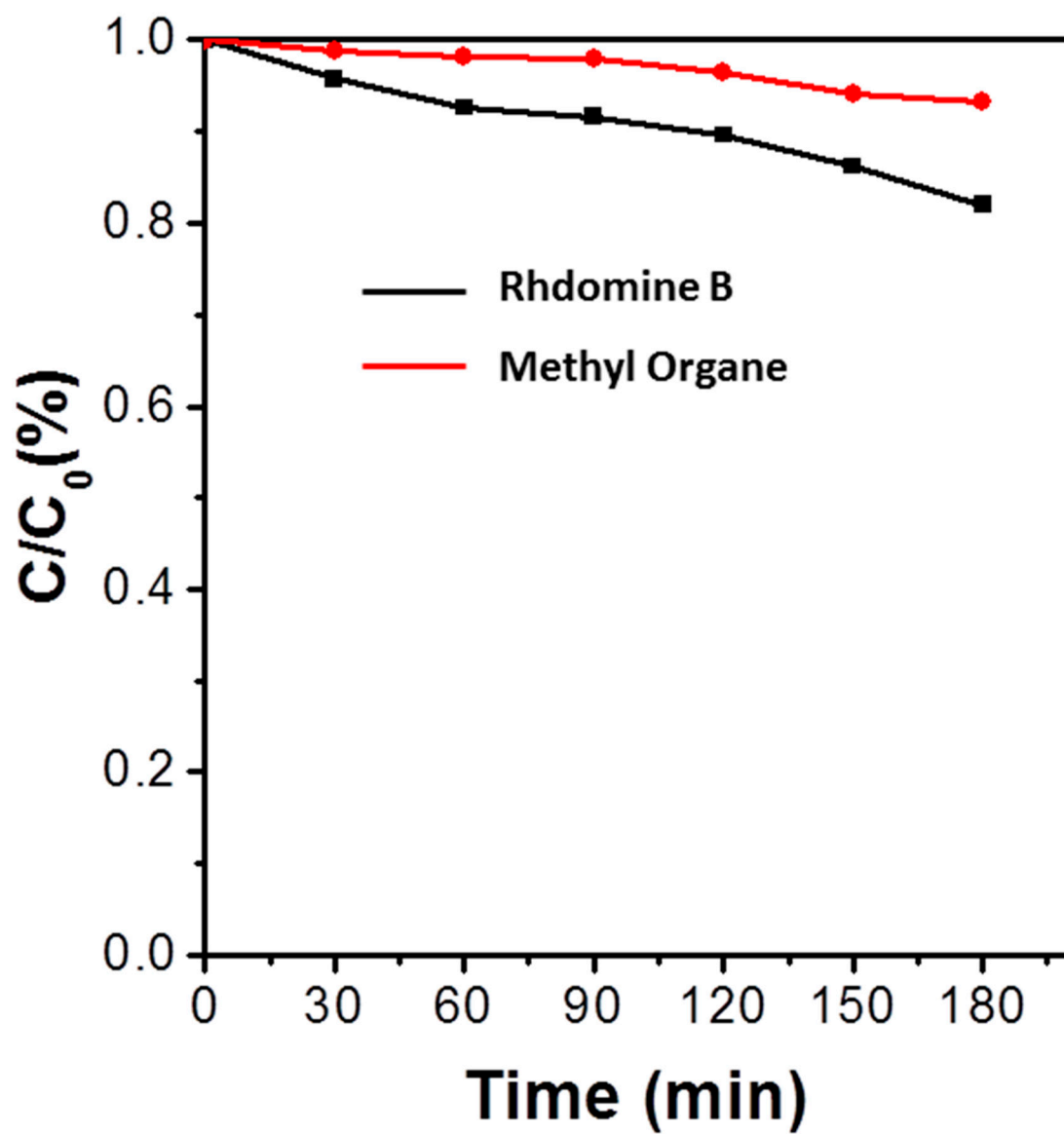


Figure S5. Photocatalytic performance of GNPs@TCPP nanofibers toward Rhodamine B and Methyl orange in the dark condition.