

Supporting Information

Flexible and Energy Independent Fluorescence Radiation Fiber Film Dosimeter by Electrostatic Spinning.

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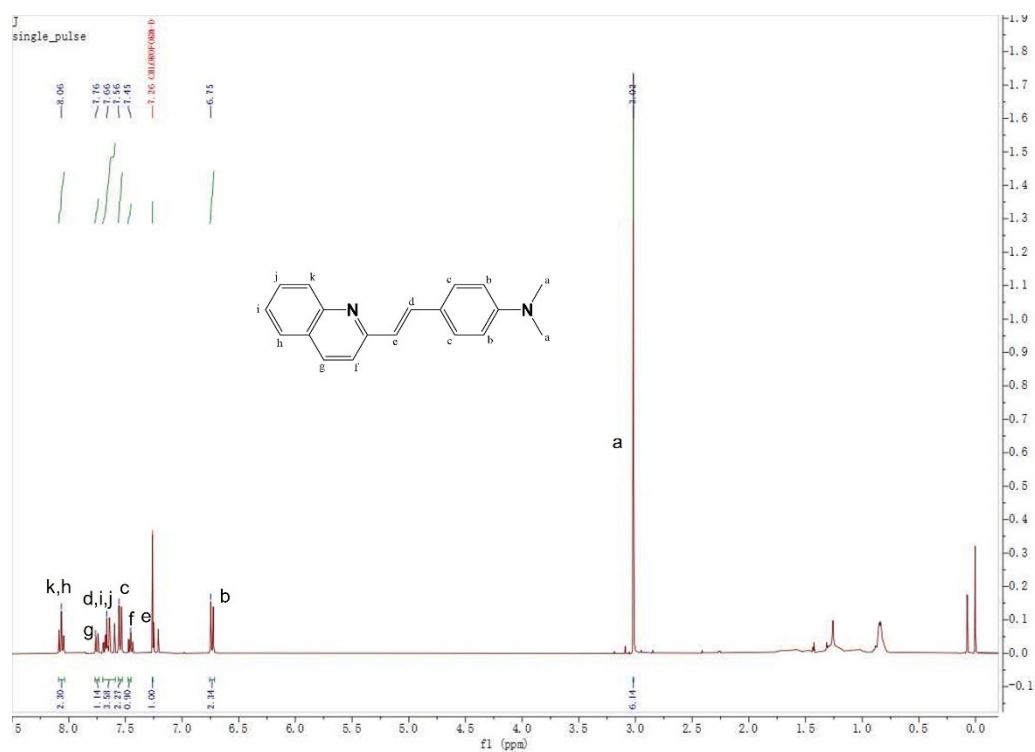


Figure S1. ¹H-NMR spectra of quinoline fluorescent dyes (QFDs) in CDCl₃.

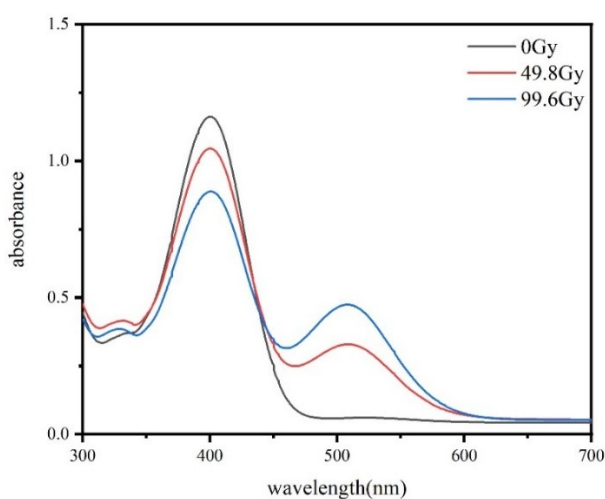


Figure S2. UV-vis spectrum of QFD (0.1 wt%) in PVC after exposure to different doses of X-rays.

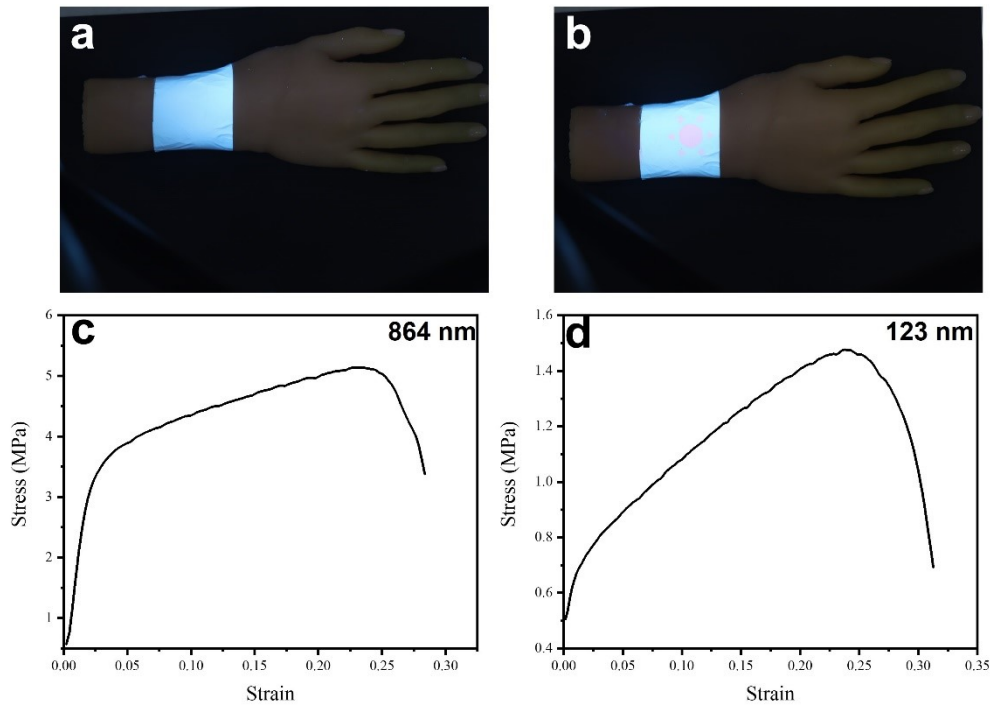


Figure S3. (a,b) Photographs of QFD-doped 864 nm PVC fiber film before and after X-ray irradiation of lead plate covered with a "☼" pattern. (c) Stress-strain curve of a fiber film dosimeter with a diameter of 864 nm. (d) Stress-strain curve of a fiber film dosimeter with a diameter of 123 nm.