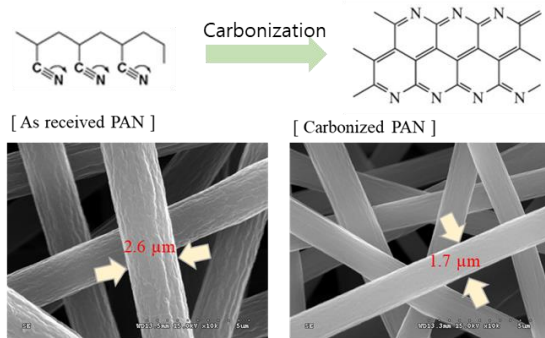
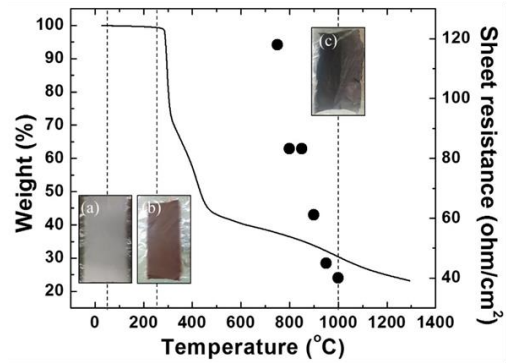


➤ Electrospun PAN-CFs

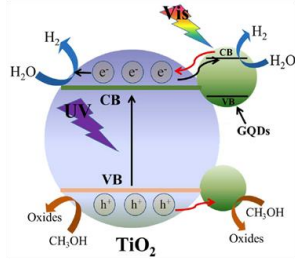


[Schematic diagram of PAN and SEM images of electrospun PAN-CFs before and after heat treatment]

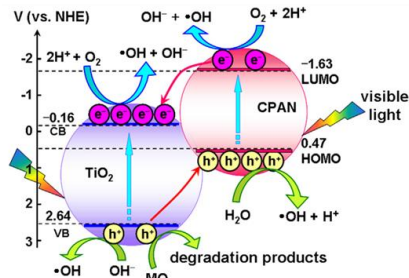


[TGA result and electrical conductivity of PAN-CFs]

➤ Optical properties of hybrid structure

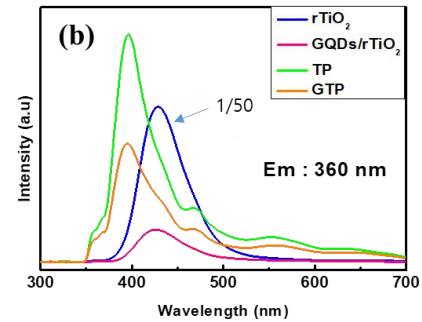
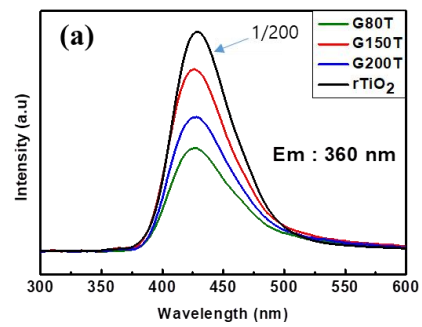


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[Schematic description of photocatalytic mechanism of nanocomposites under visible-light irradiation]



[PL spectra of (a) GQDs/TiO₂, and (b) GQD/TiO₂/PAN]