Supporting Information

In Situ Construction of 2D/2D g-C_3N_4/rGO Hybrid Photocatalysts for Efficient Ciprofloxacin Degradation

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Materials

The following reagents are of analytical grade and utilized as received without further treatment. dicyandiamide, NH_4Cl and GO were purchased from eryer (Shanghai) Chemical Technology Co., Ltd (Shanghai, China).

Characterization

Samples were subjected to XRD analysis using a Smart Lab 9kW X-ray diffractometer. (Rigaku Corporation, Tokyo,Japan).SEM images were obtained on a Hitachi (SU8100) scanning electron microscope (Hitachi Ltd., Tokyo, Japan).TEM micrographs were taken on a JEOL (JEM-2100 F) transmission electron microscope (JEOL Ltd., Tokyo, Japan).X-ray photoelectron spectra (XPS) of the samples were collected using an AXIS SUPRA spectrometer. (Shimadzu Corporation, Tokyo, Japan).UV-visible-NIR absorption spectra were recorded with a Cary 5000 spectrophotometer.(Agilent Technologies Inc, Santa Clara, USA).

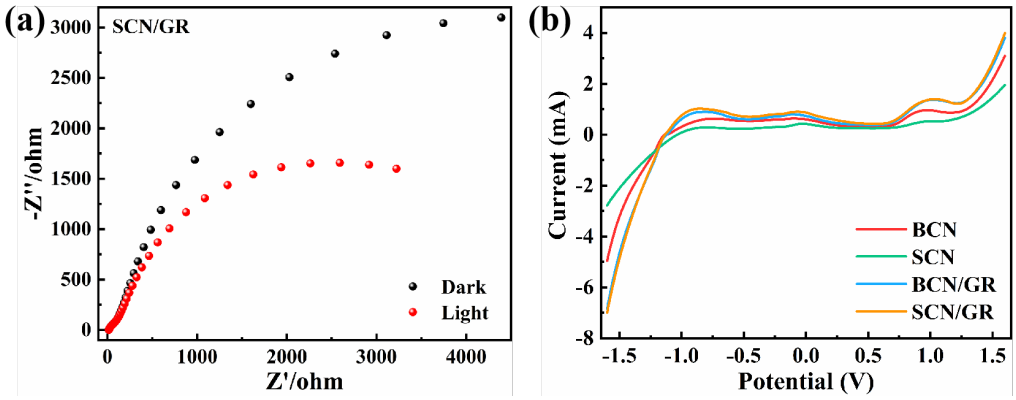


Fig. S1. (a) Electrochemical impedance diagram of SCN/GR. (b) LSV curves.

Table S1. Analysis of specific surface area and pore size of samples

Samples	as,BET[m^2g^{-1}]	Vm[$cm^3(STP)g^{-1}$]	Mean pore diameter[nm]
BCN	7.89	0.09	46.46
SCN	40.56	0.35	33.37
BCN/GR	13.38	0.12	42.47
SCN/GR	56.41	0.51	38.07