

Electronic Supplementary Information (ESI)

Ultrasensitive and Recyclable SERS substrate based on Au-decorated Si nanowire arrays

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UV-induced photodegradation of Methylene Blue(MB) by Au-SiNWAs substrate

The photocatalytic activity of the Au-SiNWAs substrate was tested in photodegradation of MB, with the same experimental setup used for RhB. As shown in the following graphs, presence of Au-SiNWAs substrate was more efficient than the corresponding absence of Au-SiNWAs substrate.

