Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2015

Controllable synthesis of Ag@TiO2 heterostructure with enhanced photocatalytic activities under UV and Visible excitation

Fanli Zhang,^a Zhiqiang Cheng*^{a,b}, Liying Cui,^a Tingting Duan, ^a Ahmed Anan,^a Lijuan Kang,*^a

- ^a College of Resources and Environment, Jilin Agriculture University, Changchun 130118, People's Republic of China
- ^b School of Aerospace Engineering, Tsinghua University, Beijing, 100000, China.
- * Corresponding author E-mail: czq5974@163.com, kanglijuan61@126.com

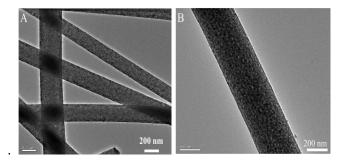


Fig. S1: TEM images of pure TiO_2 fibers. A: the low magnification TEM image of TiO_2 fibers and B: the single fiber of TEM image

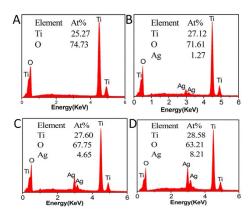


Fig. S2: The EDS spectra of pure TiO₂ fibers and Ag/TiO₂ (B, C and B were corresponding to the concentrations of 1 Mm, 0.01 M and 0.05 M Ag⁺)