Electronic Supplementary Information

Synthesis of Three-Dimensionally Ordered Macroporous Composite Ag/\(\text{Bi}_2\text{O}_3\)-\(\text{TiO}_2\) by Dual Templates and its Photocatalytic Activities for Degradation of Organic Pollutants under Multiple Modes

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SUMMARY

The emission spectrum of microwave discharge electrodeless lamp and the microwave assisted photocatalytic reaction device were shown in Fig. S1, S2.

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\begin{array}{c|c|c|c}
\text{Wavelength (nm)} & 254 & 314 & 406 \\
\text{Relative intensity} & \text{278} & \text{314} & \text{406} \\
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Fig. S1  Emission spectrum of microwave discharge electrodeless lamp

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The adsorption test results of CV using different catalysts were performed as follows: a certain amount of photocatalyst was dispersed into CV solution by ultrasound 10 min, and then the suspension was magnetically stirred in dark. At definite time interval, taking 3 mL solution into a centrifuge tube and the catalyst was removed by centrifugation after the completion of the reaction. The concentration of CV in the adsorption reaction was analyzed by a UV–Vis spectrophotometer (TU-1901, China) at 590 nm.