

**Visible-light driven photocatalytic degradation of pirimicarb by Pt-doped AgInS<sub>2</sub> nanoparticles**

**Hweiyen Tsai**<sup>1,2</sup>, **Janah Shaya**<sup>3,4</sup>, **Siriluck Tesana**<sup>5</sup>, **Vladimir B. Golovko**<sup>5</sup>, **Syuan-Yun Wang**<sup>1,2</sup>, **Yi-Yen Liao**<sup>1,2</sup>, **Chung-Shin Lu**<sup>6,\*</sup>, **Chiing-Chang Chen**<sup>7,\*\*</sup>

<sup>1</sup> Department of Medical Applied Chemistry, Chung Shan Medical University, Taichung, Taiwan; [annetsai@csmu.edu.tw](mailto:annetsai@csmu.edu.tw)

<sup>2</sup> Department of Medical Education, Chung Shan Medical University Hospital, Taichung, Taiwan

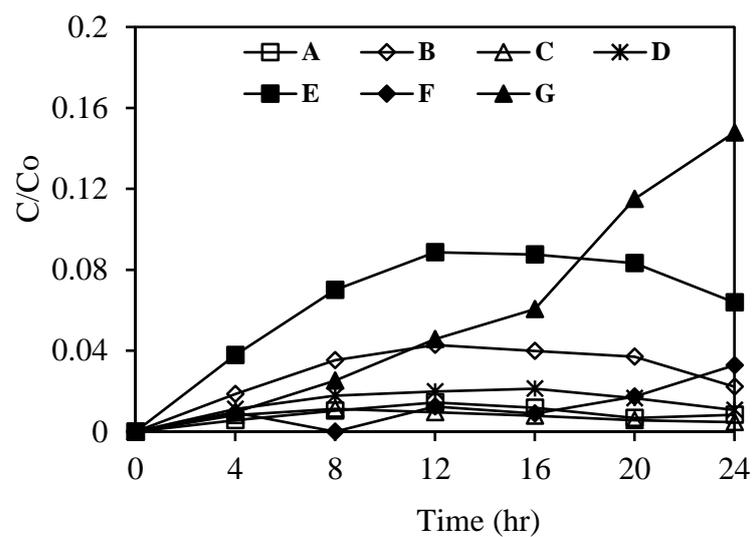
<sup>3</sup> College of Medicine and Health Sciences, Khalifa University, Abu Dhabi, P.O. Box 127788, UAE; [shaya.janah@ku.ac.ae](mailto:shaya.janah@ku.ac.ae)

<sup>4</sup> College of Arts and Sciences, Khalifa University, Abu Dhabi, P.O. Box 127788, UAE

<sup>5</sup> The MacDiarmid Institute for Advanced Materials and Nanotechnology, School of Physical and Chemical Sciences, University of Canterbury, Christchurch 8140, New Zealand; [vladimir.golovko@canterbury.ac.nz](mailto:vladimir.golovko@canterbury.ac.nz)

<sup>6</sup> Department of General Education, National Taichung University of Science and Technology, Taichung, Taiwan; [slu6@nutc.edu.tw](mailto:slu6@nutc.edu.tw)

<sup>7</sup> Department of Science Education and Application, National Taichung University of Education, Taichung, Taiwan; [ccchen@mail.ntcu.edu.tw](mailto:ccchen@mail.ntcu.edu.tw)



**Figure S1.** Variation in the relative distribution of the intermediate products obtained from the photocatalytic degradation of pirimicarb as a function of irradiation time.