

Highly-Oriented One-Dimensional MOF-Semiconductor Nanoarrays for Efficient Photodegradation of Antibiotics

Xiang He,^a Vu Nguyen,^a Zhang Jiang,^b Dawei Wang,^a Zan Zhu,^a and Wei-Ning Wang^{*,a}

^a Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University, Richmond, Virginia 23219, United States

^b Advanced Photon Source, Argonne National Laboratory, Argonne, Illinois 60439, United States

***Corresponding Author**

Wei-Ning Wang: Tel: 1-(804) 827-4306; Fax: 1-(804) 827-7030; Email: wnwang@vcu.edu

S1. Detailed Information of the TiO₂ Nanoarrays

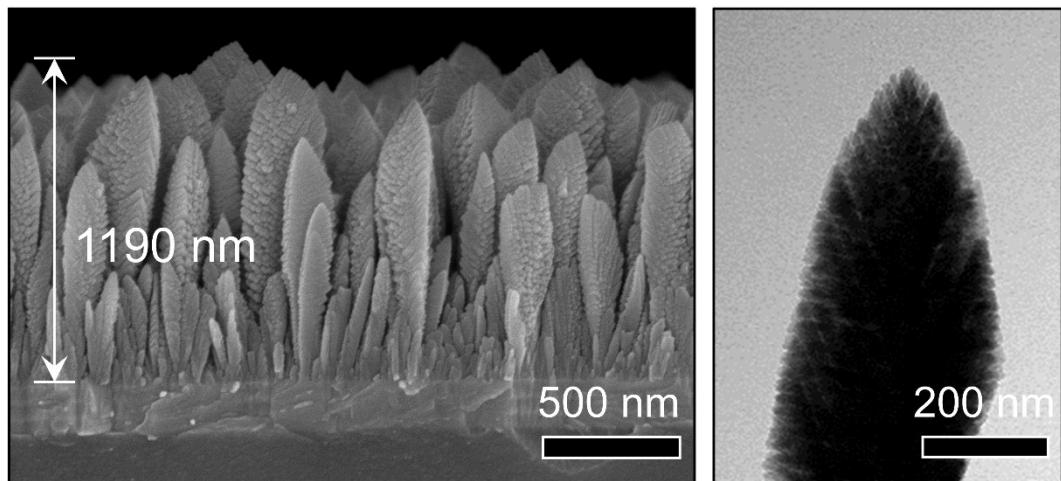


Figure S1. Left: SEM image of the cross section of the pristine TiO₂ nanoarrays; Right: TEM image of the pristine TiO₂.

S2. SEM Images of T/M-20 Composite

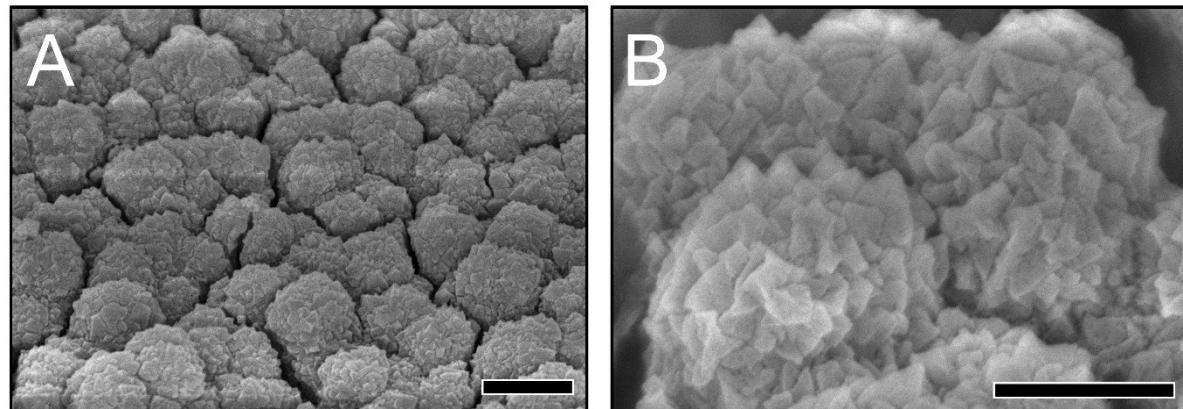


Figure S2. SEM images of T/M-20 composite. A: low-magnification, B: high-magnification.
Scale bars: A: 1 μ m, B: 500 nm.