

Supporting Information:

Facile Solution Combustion Synthesis of MoO₂ Nanoparticles as Efficient Photocatalysts

Siyong Gu,^{*a,b} Mingli Qin,^{*a} Houan Zhang,^b Jidong Ma,^b Haoyang Wu,^a Xuanhui Qu^a

Institute for Advanced Materials and Technology, University of Science and Technology
Beijing, Beijing 100083, P. R. China.

^b Fujian Provincial Key Laboratory of Functional Materials and Applications, Xiamen
University of Technology, Xiamen 361024, P. R. China

***Corresponding author** E-mail address: gu-siyong@163.com (Siyong Gu),

qinml@mater.ustb.edu.cn (Mingli Qin)

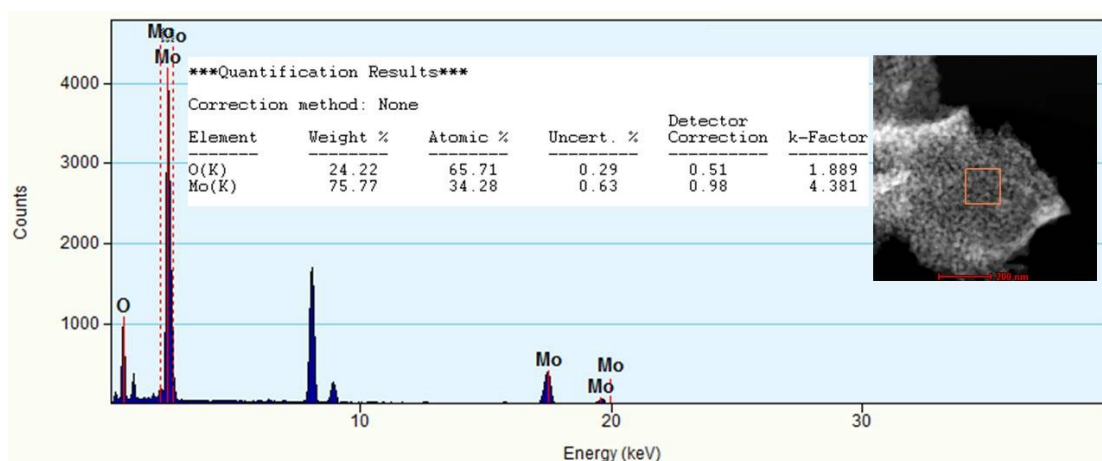


Fig.S1 EDX spectrum image EDX spectrum image of foam-like MoO₂

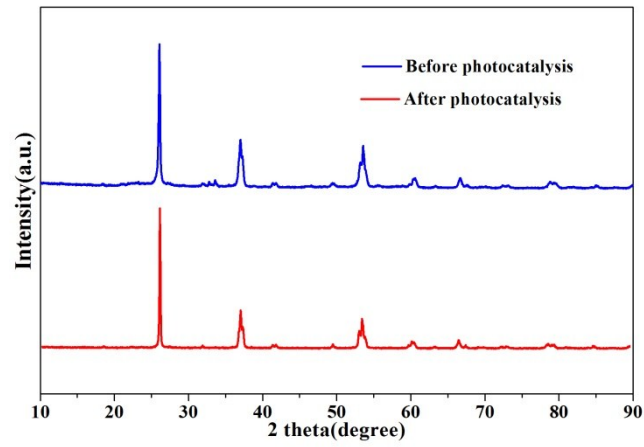


Fig.S2 XRD spectra of foam-like MoO₂ before photocatalysis and after photocatalysis.

Table S1 Time-resolved lifetime of foam-like MoO₂

$T_1(ns)$	$T_2(ns)$
1.209	16.402