

Mechanistic understanding of the increased photoactivity of TiO₂ nanosheets upon tantalum doping

Hanggara Sudrajat^{a,b,c,*}, Sri Hartuti^d, Sandhya Babel^e

^aDepartment of Chemical Engineering, Faculty of Engineering, Universitas Jember, Jember, Indonesia

^bDivision of Computational Physics, Institute for Computational Science, Ton Duc Thang University, Ho Chi Minh City, Viet Nam

^cFaculty of Applied Sciences, Institute for Computational Science, Ton Duc Thang University,
Ho Chi Minh City, Viet Nam

^dDepartment of Environmental and Renewable Energy Systems, School of Engineering, Gifu University, Gifu, Japan

^eSchool of Biochemical Engineering and Technology, Sirindhorn International Institute of Technology, Thammasat University, Pathum Thani, Thailand

*Corresponding author. E-mail addresses: hanggara@unej.ac.id and
hanggara.sudrajat@tdtu.edu.vn

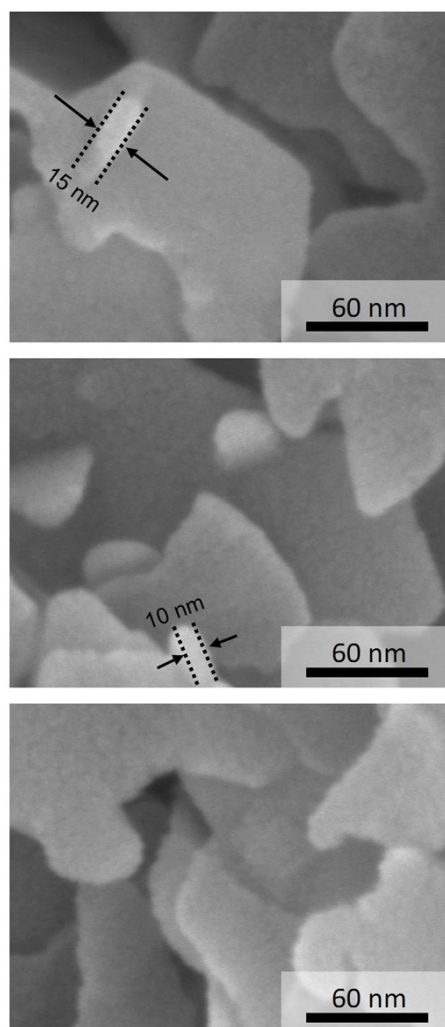


Figure S1. Scanning electron micrographs of TiO_2 doped with 2 mol% of Ta.