

Supplementary Material

Simultaneous Photocatalytic Sugar Conversion and Hydrogen Production Using Pd Nanoparticles Decorated on Iron-Doped Hydroxyapatite

Chitiphon Chuaicham ^{1,*}, Yuto Noguchi ¹, Sulakshana Shenoy ¹, Kaiqian Shu ¹, Jirawat Trakulmututa ¹, Assadawoot Srikhaow ¹, Karthikeyan Sekar ^{1,2} and Keiko Sasaki ^{1,*}

¹ Department of Earth Resources Engineering, Kyushu University, Fukuoka 819-0395, Japan

² Department of Chemistry, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur 603203, Tamil Nadu, India

* Correspondence: song@mine.kyushu-u.ac.jp (C.C.); keikos@mine.kyushu-u.ac.jp (K.S.)

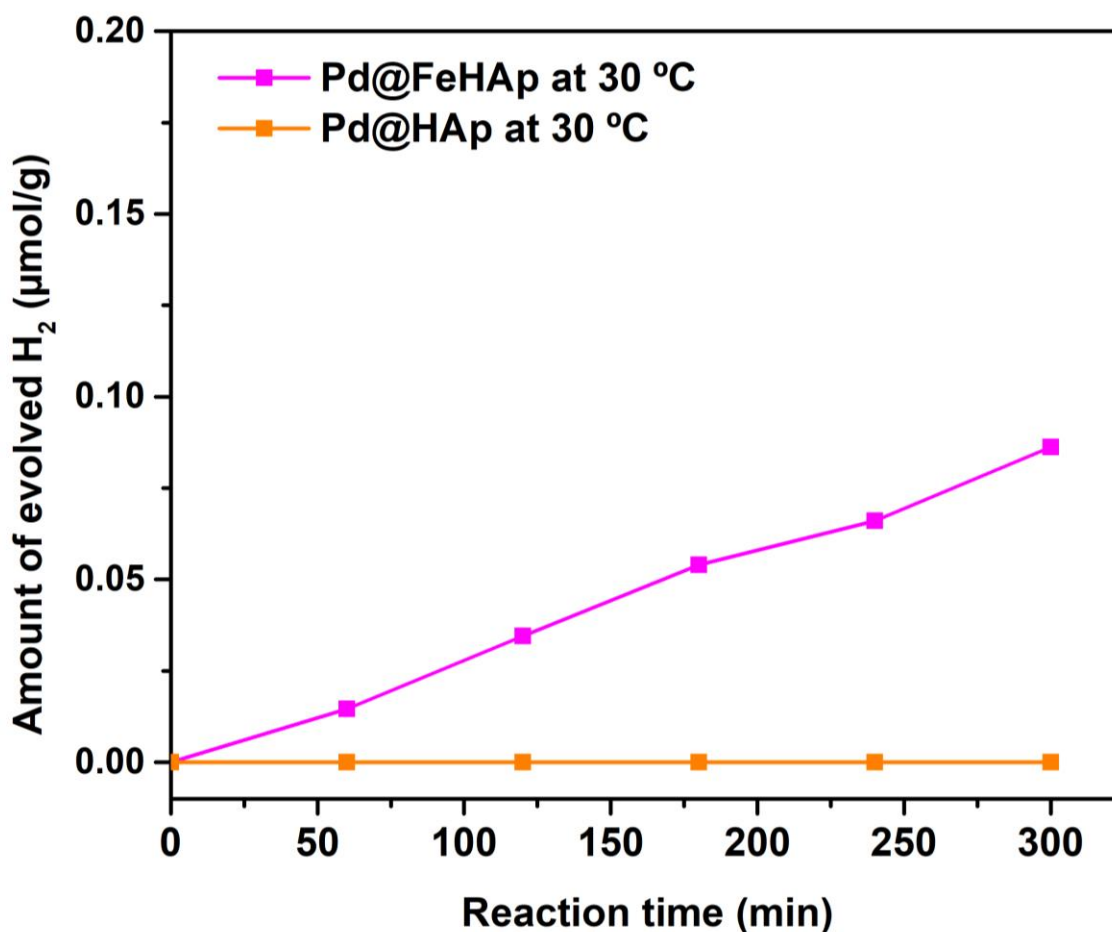


Figure S1. Time course of photocatalytic H₂ production over Pd@HAp and Pd@FeHAp.

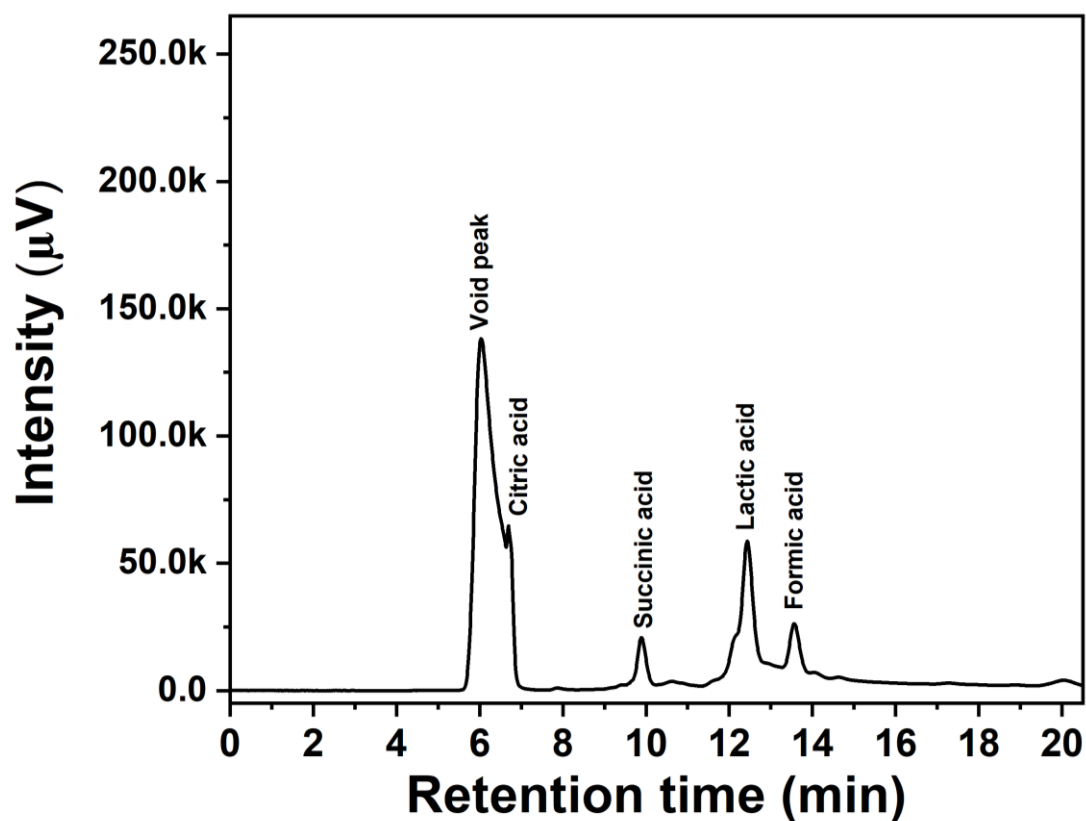


Figure S2. HPLC spectrum of the solution after the simultaneous photocatalytic sugar conversion and hydrogen production over Pd@HAp for 4h at 30°C.