Supplementary Material (ESI) for Green Chemistry

Magnetically Recoverable Heterogeneous Catalyst: Palladium Nanocluster Supported on Hydroxyapatite-Encapsulated γ-Fe₂O₃ Nanocrystallites for Highly Efficient Dehalogenation with Molecular Hydrogen

Takayoshi Hara,a Tomohiro Kaneta,a Kohsuke Mori,b Takato Mitsudome,a Tomoo Mizugaki,a Kohki Ebitani,c and Kiyotomi Kaneda,a,d*

a Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka 560-8531, Japan
Phone&Fax: +81-6-6850-6260, E-mail: kaneda@cheng.es.osaka-u.ac.jp
b Division of Materials and Manufacturing Science, Graduate School of Engineering, Osaka University, 2-1 Yamada-oka, Suita, Osaka 565-0871, Japan
c School of Materials Science, Japan Advanced Institute of Science and Technology (JAIST), 1-1 Asahidai, Tatsunokuchi-machi, Nomi-gun, Ishikawa 923-1292, Japan
d Research Center for Solar Energy Chemistry, Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka 560-8531, Japan
Fig. S1 Fit of Fourier-filtered EXAFS of (a) Pd\textsuperscript{II}HAP-γ-Fe\textsubscript{2}O\textsubscript{3} and (b) PdHAP-γ-Fe\textsubscript{2}O\textsubscript{3}. The solid curve is obtained experimentally, and the dotted curve is the calculated fit.