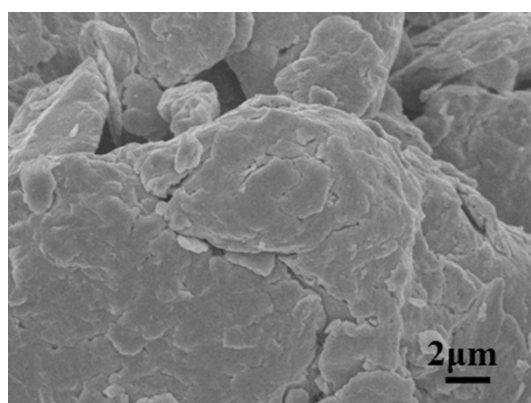


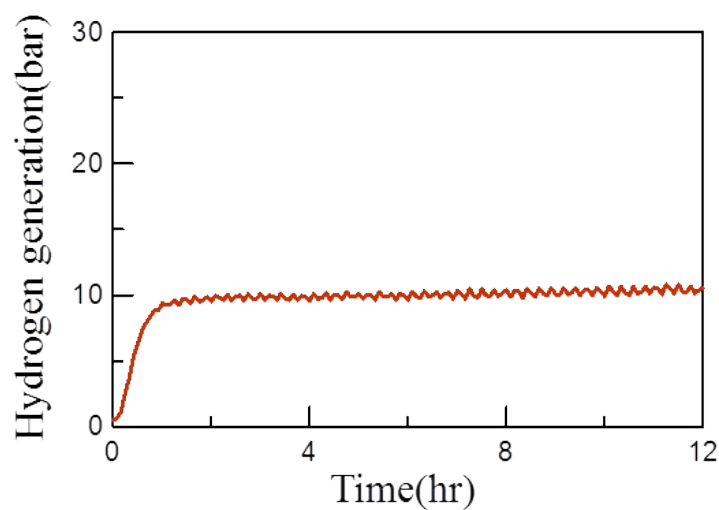
## Supporting Information

### Catalyst-enhanced hydrothermal generation of highly pure compressed hydrogen gas from iron micro-powders

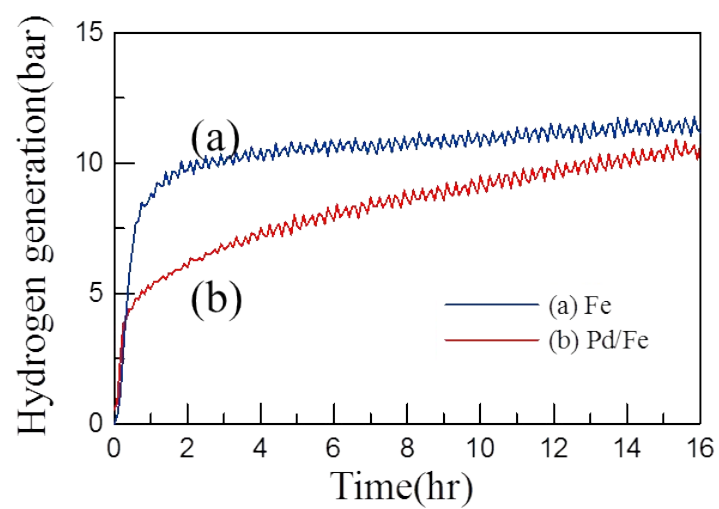
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**Fig. S1** SEM image of iron powders before reaction.



**Fig. S2** Variation of pressure with time during the hydrothermal generation of hydrogen gas at 120°C in 0.02 M NaCl solution.



**Fig. S3** Variation of pressure with time during the hydrothermal generation of hydrogen gas by the iron powders with and without 1.0 mM PdCl<sub>2</sub> treatment at 120°C in the pure water.