

## Article

# Deactivation of Pd/SSZ-13 by Potassium and Water for Passive NO<sub>x</sub> Adsorption

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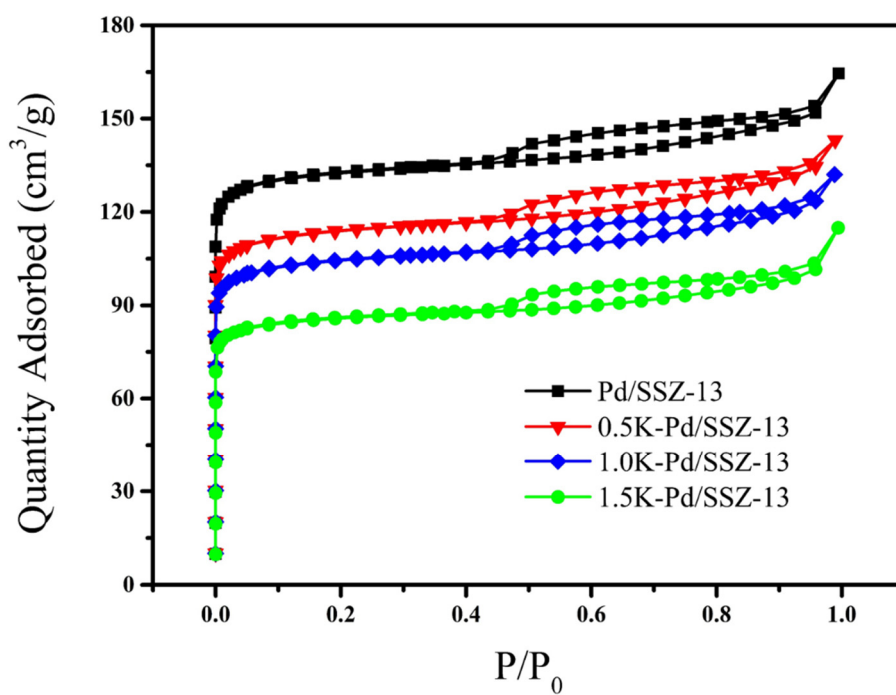
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**Table S1.** The surface area and pore volume of the samples.

Sample	$S_{\text{BET}}$ $\text{m}^2/\text{g}$	$S_{\text{micro}}$ $\text{m}^2/\text{g}$	$V_{\text{total}}$ $\text{cm}^3/\text{g}$	$V_{\text{micro}}$ $\text{cm}^3/\text{g}$
Pd/SSZ-13	392	347	0.23	0.18
0.5K-Pd/SSZ-13	348	301	0.21	0.16
1.0K-Pd/SSZ-13	318	274	0.19	0.14
1.5K-Pd/SSZ-13	262	229	0.15	0.12

**Figure S1.**  $\text{N}_2$  physisorption isotherms of Pd/SSZ-13 and K deactivated samples.

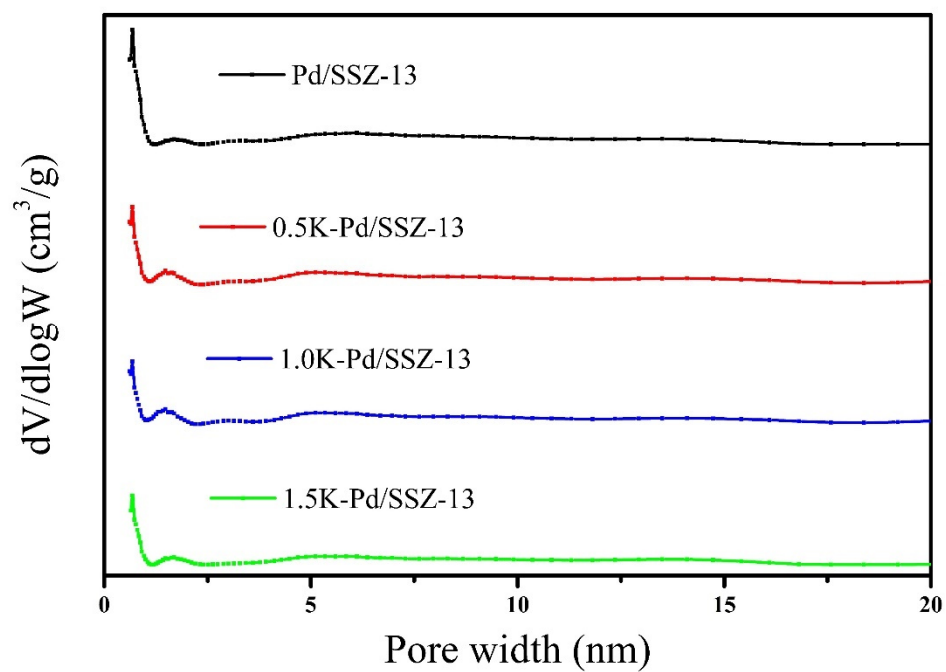


Figure S2. Pore distributions of Pd/SSZ-13 and K deactivated samples.

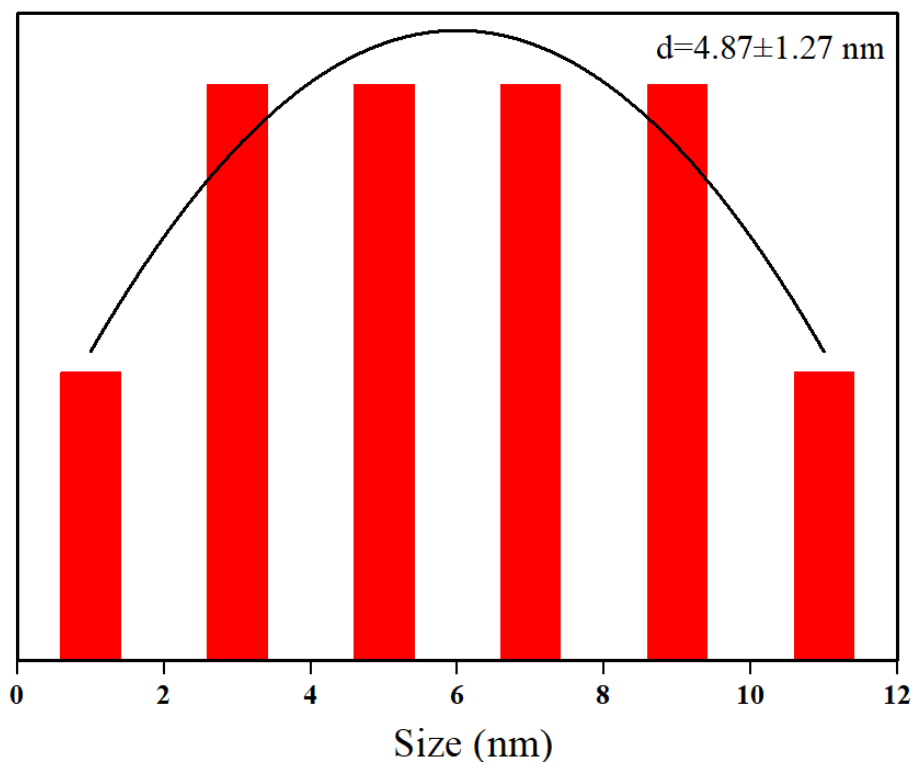


Figure S3. Standard deviation values of 0.5K-Pd/SSZ-13.

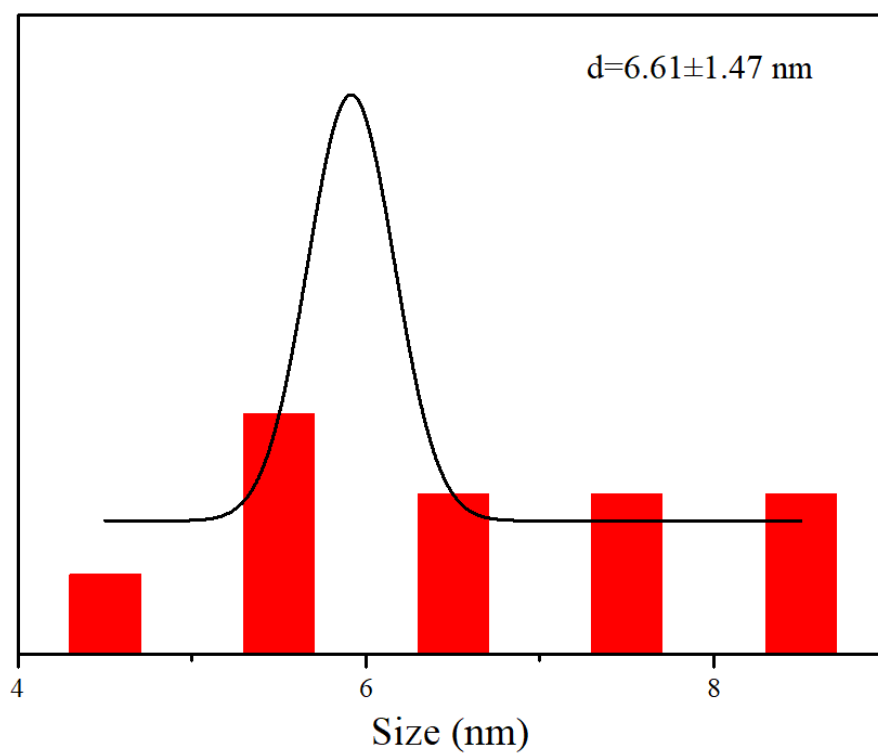


Figure S4. Standard deviation values of 1.0K-Pd/SSZ-13.

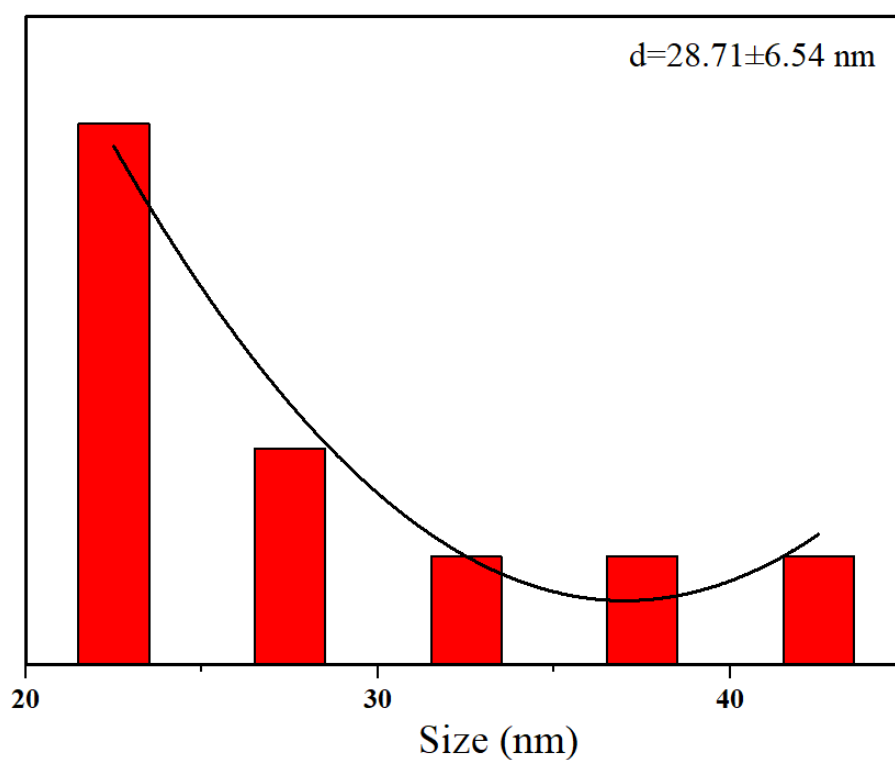
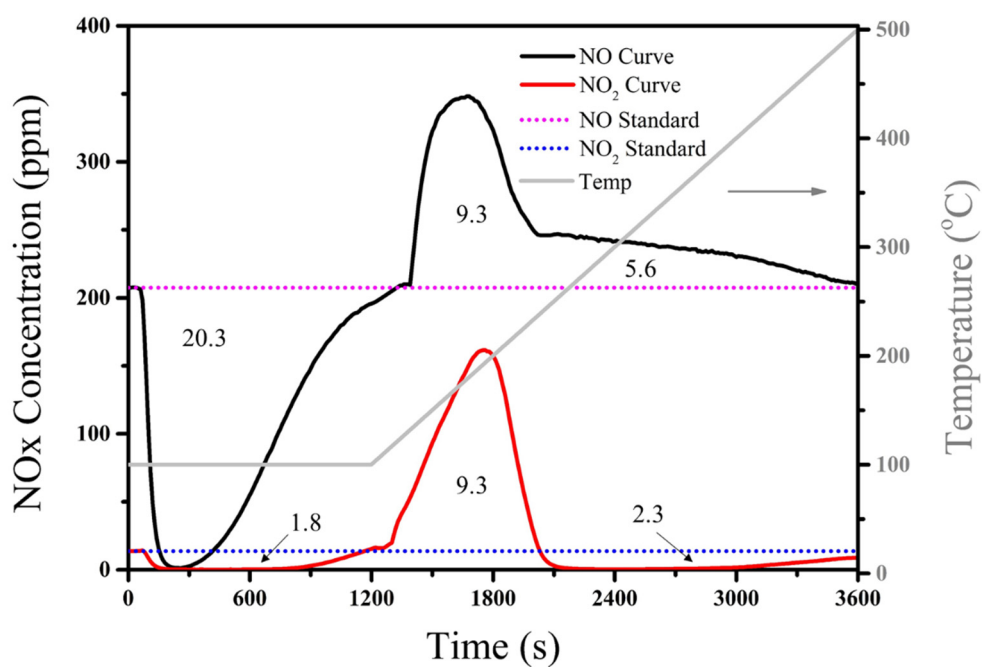
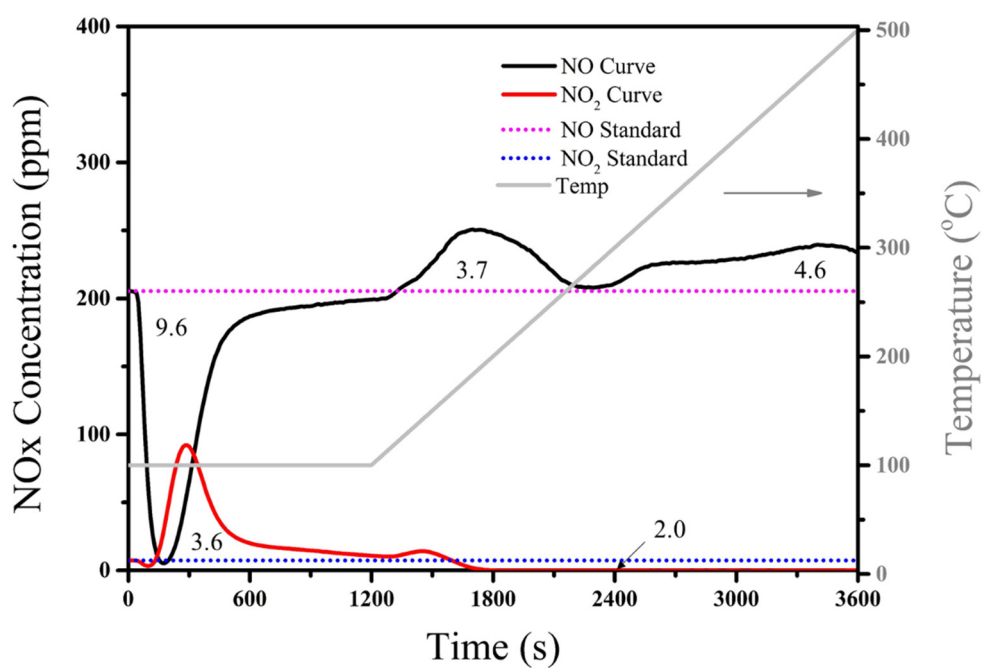


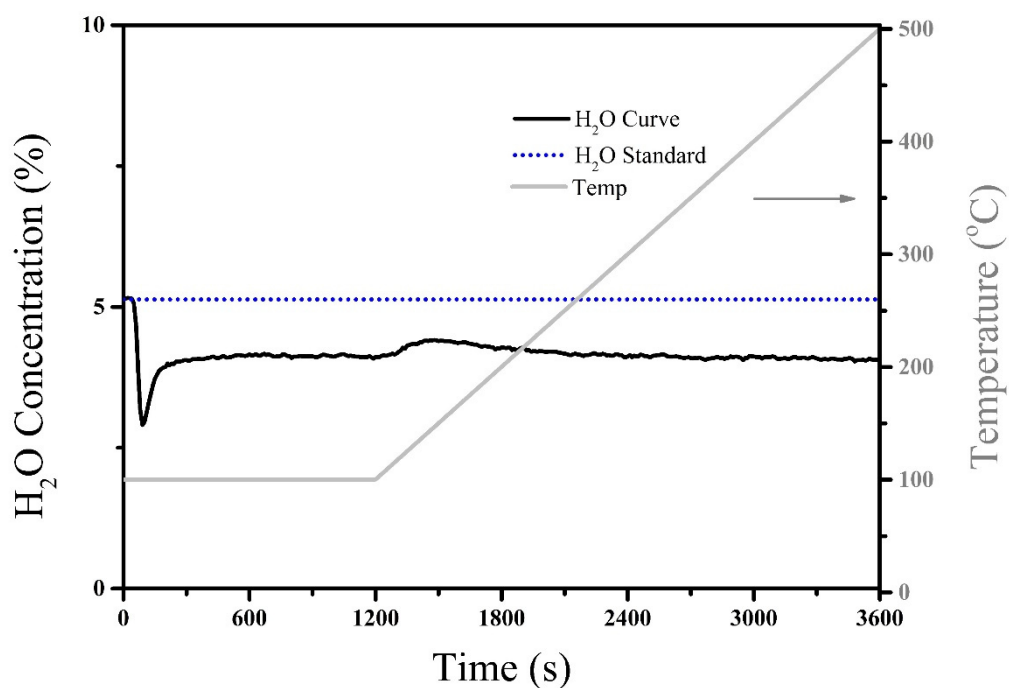
Figure S5. Standard deviation values of 1.5K-Pd/SSZ-13.



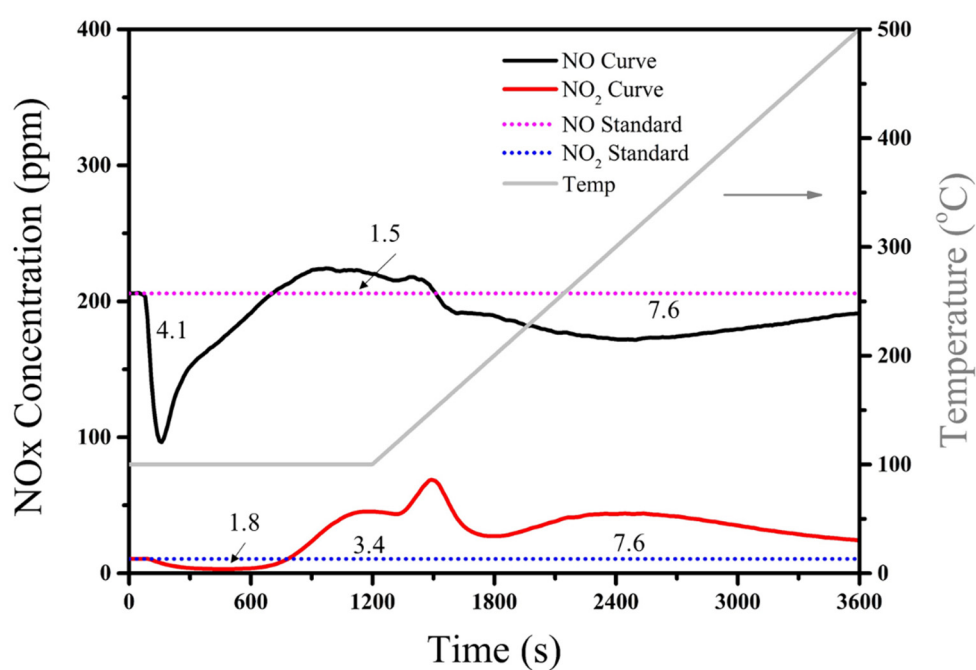
**Figure S6.** Transient NO<sub>x</sub> adsorption at 100°C and temperature programmed desorption of Pd/SSZ-13 without O<sub>2</sub> in the heating up period.



**Figure S7.** Transient NO<sub>x</sub> adsorption at 100°C and temperature programmed desorption of Pd/SSZ-13 without O<sub>2</sub> in the whole test.



**Figure S8.** Transient H<sub>2</sub>O adsorption at 100°C and temperature programmed desorption of the Pd/SSZ-13 catalysts.



**Figure S9.** Transient NO<sub>x</sub> adsorption at 100°C and temperature programmed desorption of the H-SSZ-13 catalysts.