

**Co<sub>0.9</sub>Mn<sub>0.1</sub>O<sub>x</sub>**

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(Polymer electrolyte membrane fuel cell) 1.0%

(PROX)

(Pt,Pd,Rh,Ru)

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Co<sub>0.9</sub>Mn<sub>0.1</sub>O<sub>x</sub>

0.1%

(Pt,Pd,Rh,Ru)

Co<sub>0.9</sub>Mn<sub>0.1</sub>O<sub>x</sub>

1 mol% CO, 1 mol% O<sub>2</sub>, 50

mol% H<sub>2</sub>, 20 mol% CO<sub>2</sub>, 10 mol% H<sub>2</sub>O, 18 mol% He

XRD, H<sub>2</sub>-TPR