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Figure 1.

(a) Graph showing the % NO reduction over time for different samples and conditions.

(b) Bar chart comparing % NO reduction at various temperatures and conditions.

Figure 1.
Figure 3

![Graph showing NO conversion (%) vs Temperature (°C) for different SCR conditions (5% V sulphated SCR w/o O₂, 5% V fresh. SCR w/o O₂, 5% V sulphated SCR O₂, 5% V fresh. SCR O₂).]
Figure 5.
Figure 6.
Figure 7.
Figure 8.

(a) Mass activity / A·g$^{-1}$

(b) Mass activity / A·g$^{-1}$

Figure 8.
Figure 9.

(a) Current density / mA cm$^{-2}$ vs. Potential / V vs. RHE for PtRu/CXG-FAM, PtRu/CXG-SBM, PtRu/CXG-ME, PtRu/CXG-SUL, and PtRu/CXG-SUL-TT400.

(b) Mass activity / A·g$^{-1}$ vs. Potential / V vs. RHE for PtRu/CXG-FAM, PtRu/CXG-SBM, PtRu/CXG-ME, PtRu/CXG-SUL, and PtRu/CXG-SUL-TT400.
Figure 10.
Figure 11.
Figure 12

![Graph showing current density and ionic current as a function of potential for different materials.](image)

- **Current density (A/mg Fe⁻¹)**
- **Ionic Current (a.u.)**

**Potential (V vs Ag/AgCl)**

- **Fe/Vulcan**
- **Fe/Vulcan NSTa0.5**
- **Fe/Vulcan NcTb0.5**
- **Fe/Vulcan NcTb2**
Figure 13.
Figure 14.