Supporting Information

Title: Enhancement of Pt-Ru catalytic activity for catalytic wet air oxidation of methylamine via tuning Ru surface chemical state and dispersion by Pt addition

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Number of pages: 9
Number of figures: 8
Figure S1 Elemental mapping images of the (a) Ru-Pt, (d) Pt, and (f) Ru catalysts: (b) and (e) for platinum mapping; (c) and (g) for ruthenium mapping.
Figure S2 Typical EDX spectra of (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
Figure S3 Influence of the temperature on the ammonia selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
Figure S4 Influence of the temperature on the nitrite selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
Figure S5 Influence of the temperature on the nitrate selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
Figure S6 Influence of LHSV on the ammonia selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
Figure S7 Influence of LHSV on the nitrite selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.
**Figure S8** Influence of LHSV on the nitrate selectivity over (a) Ru-Pt, (b) Pt, and (c) Ru catalysts.