The effects of bath gas and NO_x addition on *n*-pentane low-temperature oxidation in a jet-stirred reactor

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SUPPORTING INFORMATION

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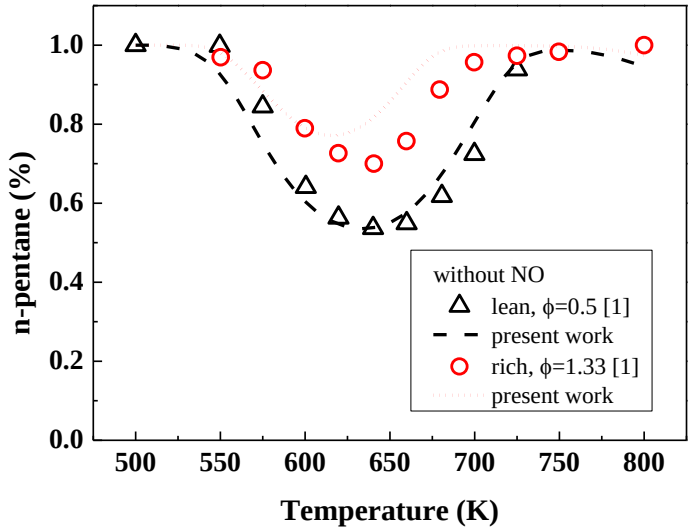

Fig. S2. Comparison of modeling predictions using the present mechanism (lines) and experimental data (symbols) reported by Zhao et al. [1] for the oxidation of n-pentane in a JSR (42 cm^3, 1 atm, 10000 ppm n-pentane, φ=0.5 and 1.33, dilution in Ar/N_2).

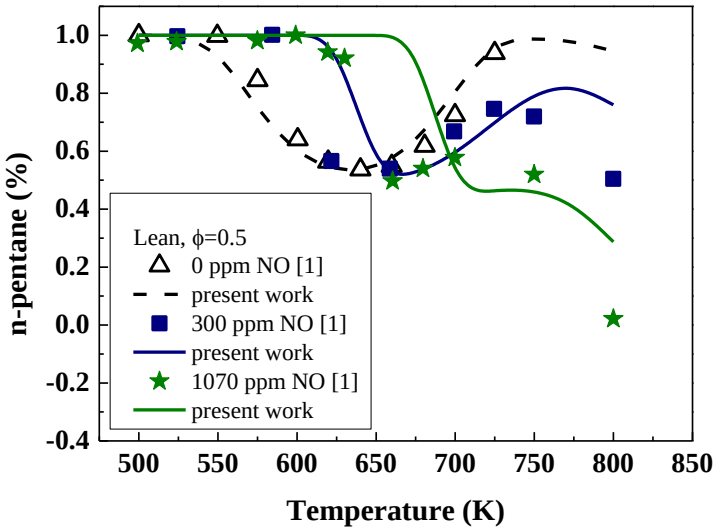

Fig. S2. Comparison of modeling predictions using the present mechanism (lines) and experimental data (symbols) reported by Zhao et al. [1] for the oxidation of n-pentane in the presence of NO, in a JSR (42 cm^3, 1 atm, 10000 ppm n-pentane, φ=0.5, dilution in Ar/N_2, 0-1070 ppm of NO).

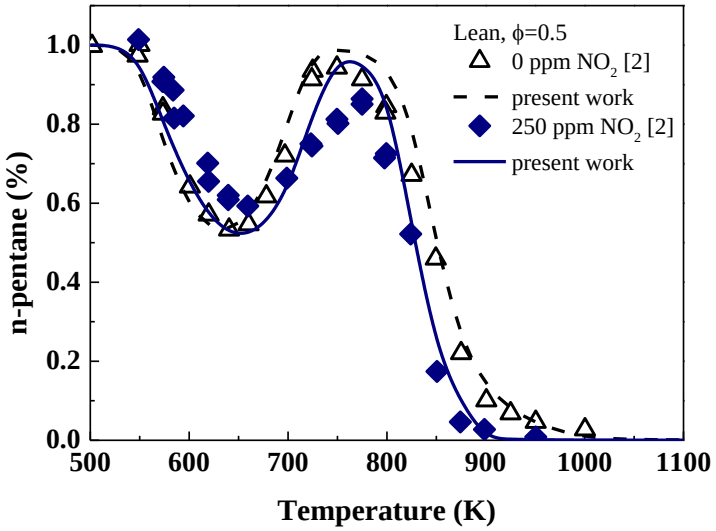

Fig. S3. Comparison of modeling predictions using the present mechanism (lines) and experimental data (symbols) reported by Zhao et al. [2] for the oxidation of n-pentane in the presence of NO_2, in a JSR (42 cm^3, 1 atm, 10000 ppm n-pentane, φ=0.5, dilution in Ar/N_2, 0 and 250 ppm of NO_2).

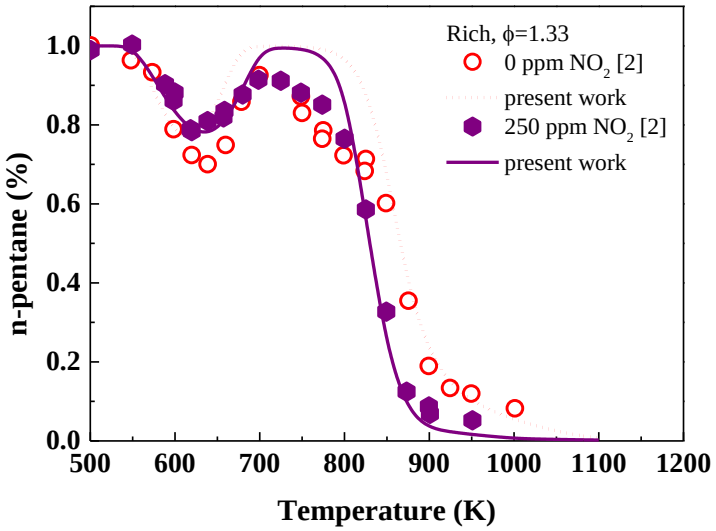

Fig. S4. Comparison of modeling predictions using the present mechanism (lines) and experimental data (symbols) reported by Zhao et al. [2] for the oxidation of n-pentane in the presence of NO_2, in a JSR (42 cm^3, 1 atm, 10000 ppm n-pentane, φ=1.33, dilution in Ar/N_2, 0 and 250 ppm of NO_2).

References

[1] Zhao, H.; Wu, L.; Patrick, C.; Zhang, Z.; Rezgui, Y.; Yang, X.; Wysocki, G.; Ju, Y. *Combust. Flame* **2018,** 197, 78-87.
[2] Zhao, H.; Dana, A. G.; Zhang, Z.; Green, W. H.; Ju, Y. *Energy* **2018,** 165, 727-738.