Supporting Information:

Photocatalytic ozonation mechanism of gaseous n-hexane on MOx-TiO$_2$-foam nickel composite (M=Cu, Mn, Ag): Unveiling the role of ·OH and ·O$_2^-$

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Fig. S1. SEM images of Mn$_2$O$_3$-MnO$_2$/TiFN (a) and Ag-Ag$_2$O/TiFN (b).
Fig. S2. O 1s spectra of Cu$_2$O-CuO/TiFN (a), Mn$_2$O$_3$-MnO$_2$/TiFN (b) and Ag-Ag$_2$O/TiFN (c) before and after the photocatalytic ozonation reaction.
Fig. S3. Outlet O₃ concentration under VUV photolysis of n-hexane within 60 min.

Fig. S4. Reduction concentration of O₃ after photocatalytic ozonation of n-hexane on MOx/TiFN within 60 min.
Fig. S5. Mass spectra of detected intermediates on TiFN (a-d) and MOx/TiFN (a-f).