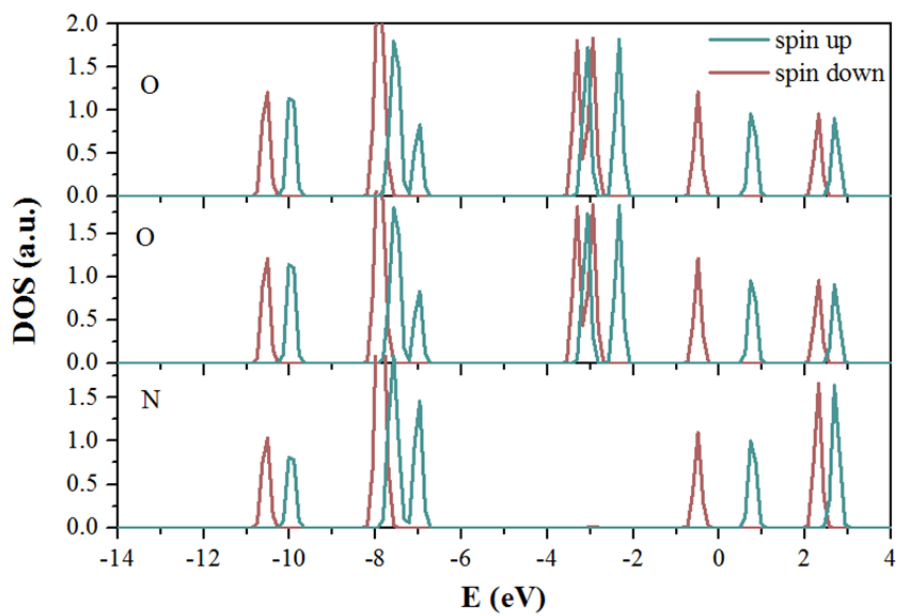


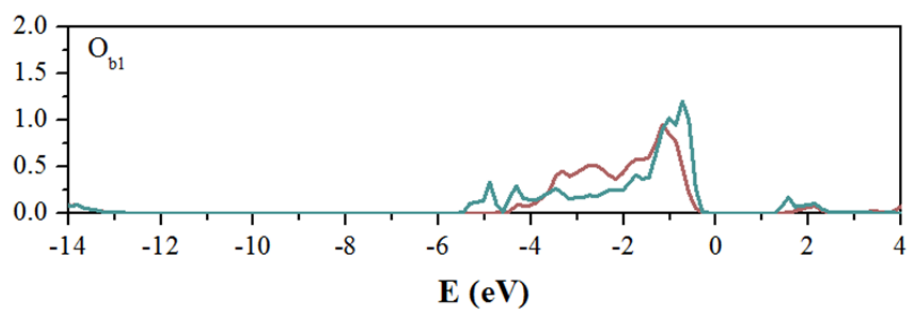
## Supplementary Figures

**Fig. S1.** PDOS for a free NO<sub>2</sub> molecule.

**Fig. S2.** PDOS for O<sub>b1</sub> of the Mn-doped CeO<sub>2</sub> (111) surface



**Fig. S1.** PDOS for a free NO<sub>2</sub> molecule.



**Fig. S2.** PDOS for  $O_{b1}$  of the Mn-doped  $CeO_2$  (111) surface