

A Comprehensive Investigation of MoO_3 based Resistive Random Access Memory

Supplementary Information

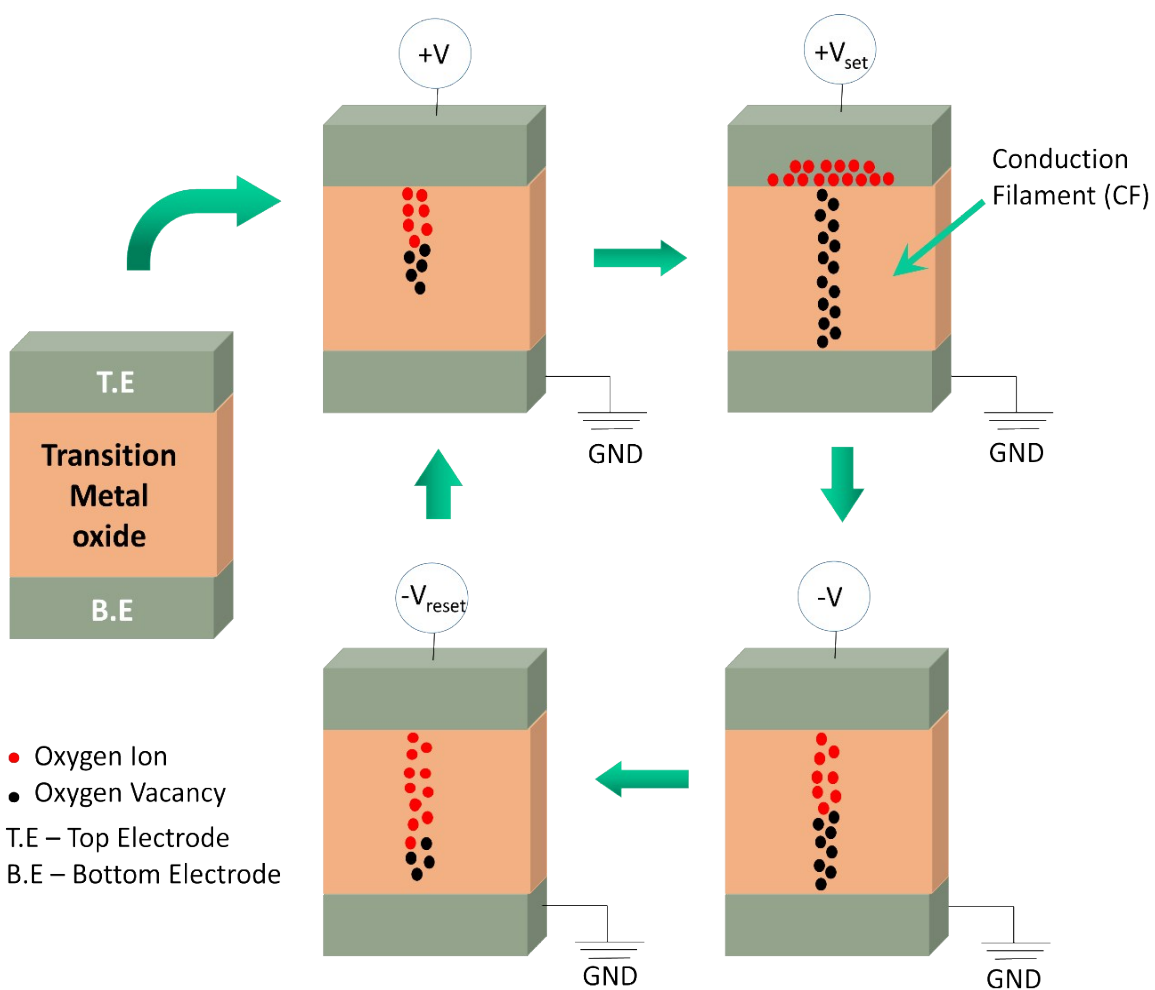


Figure S1 Schematic illustration of bipolar switching mechanism in MIM structure behaving as RRAM

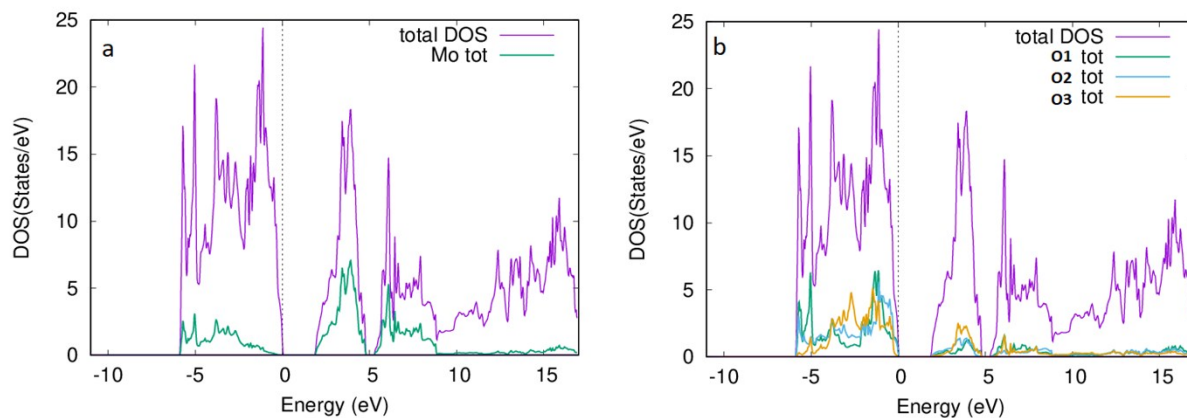


Figure S2 Density of states for molybdenum oxide (MoO₃) in unit cell

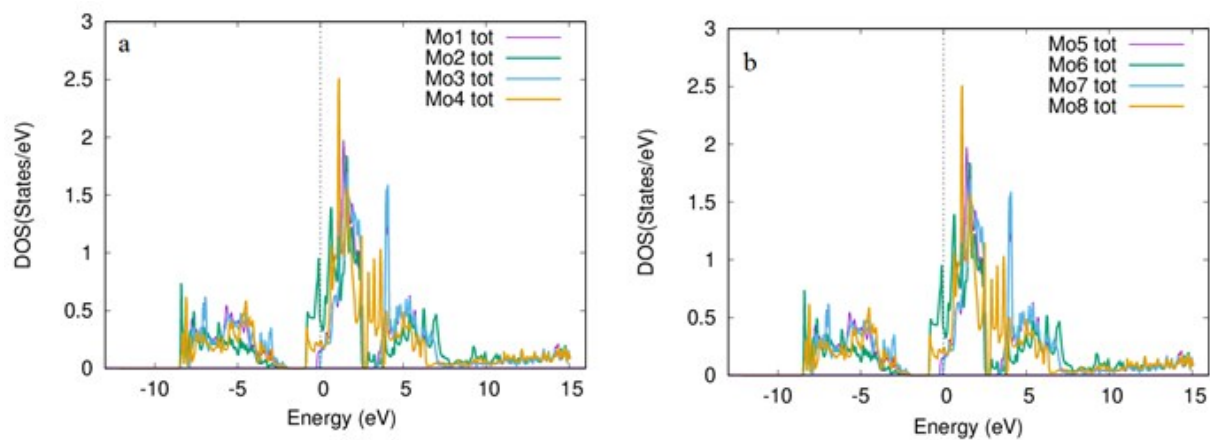


Figure S3 Total Density of states for Mo in Vacancy 1 structure of molybdenum oxide (MoO₃) supercell

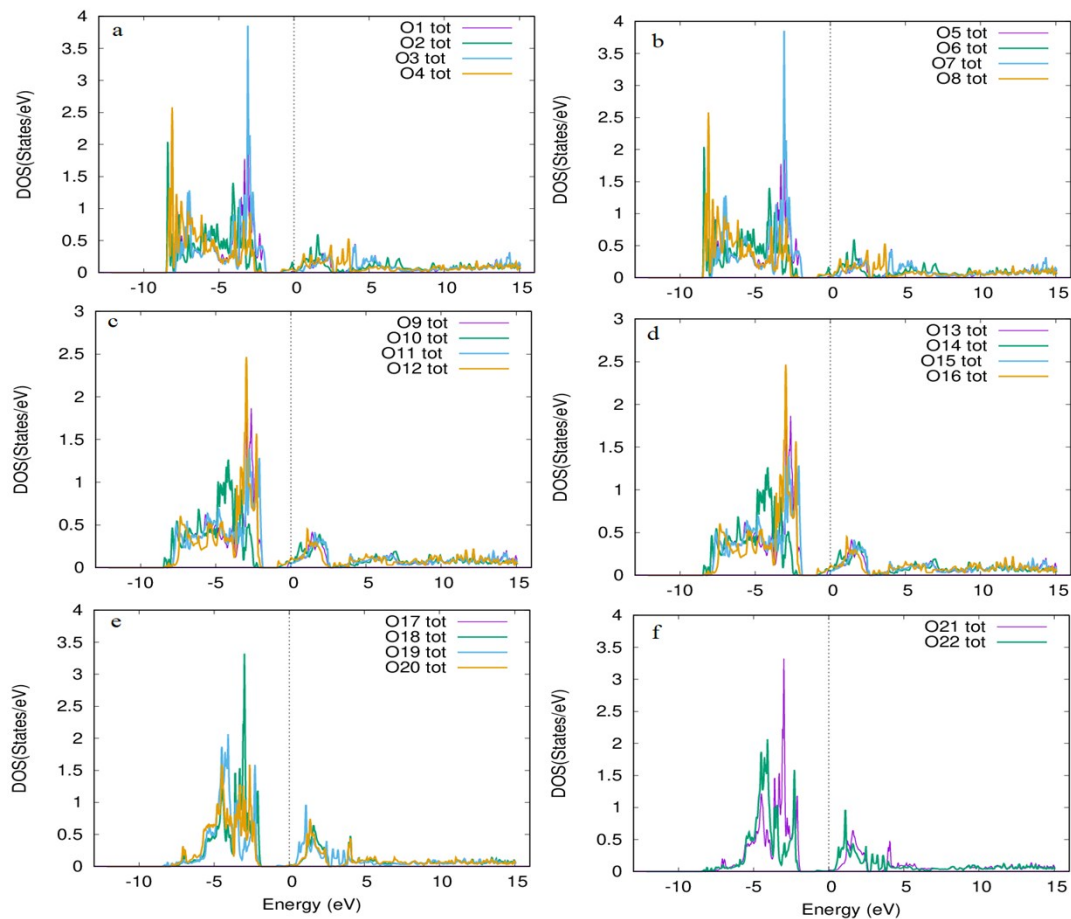


Figure S4 Total Density of states for O in Vacancy 1 structure of molybdenum oxide (MoO_3) supercell

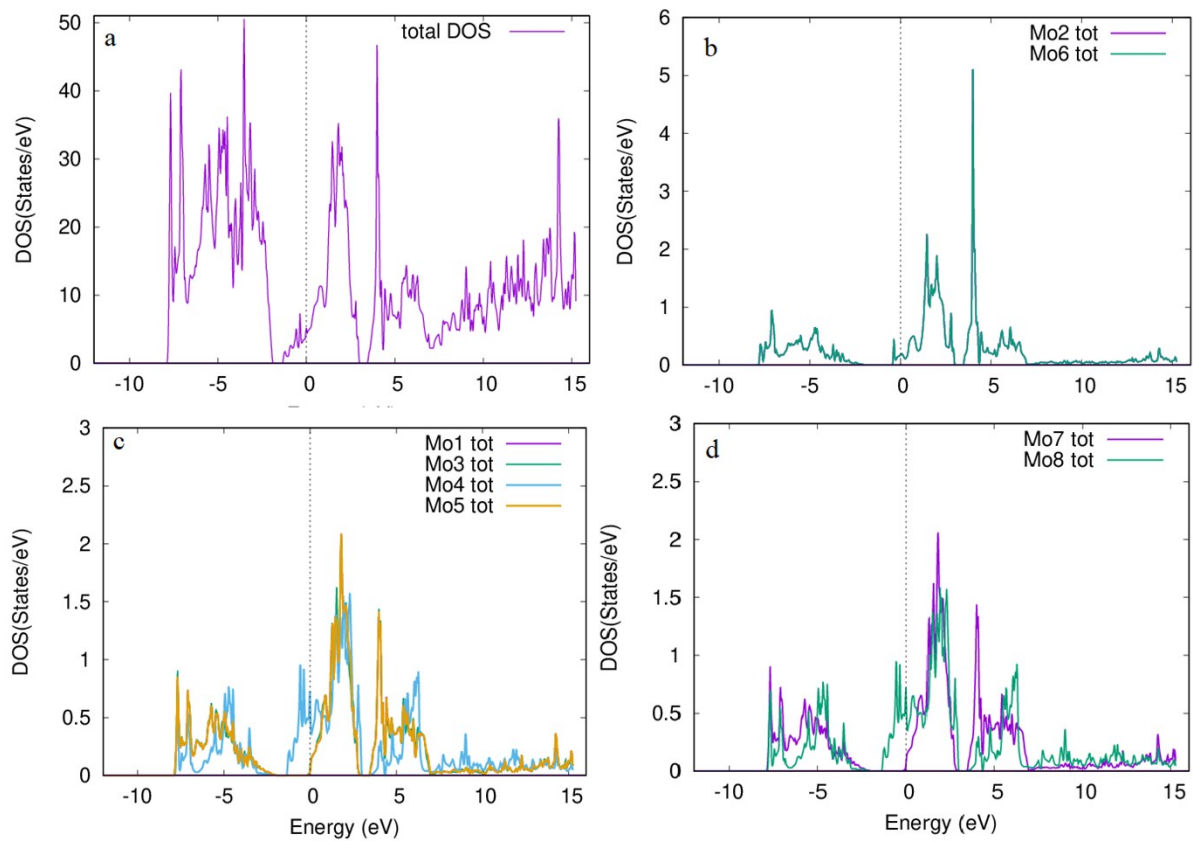


Figure S5 Total Density of states for Mo in Vacancy 2 structure of molybdenum oxide (MoO_3) supercell

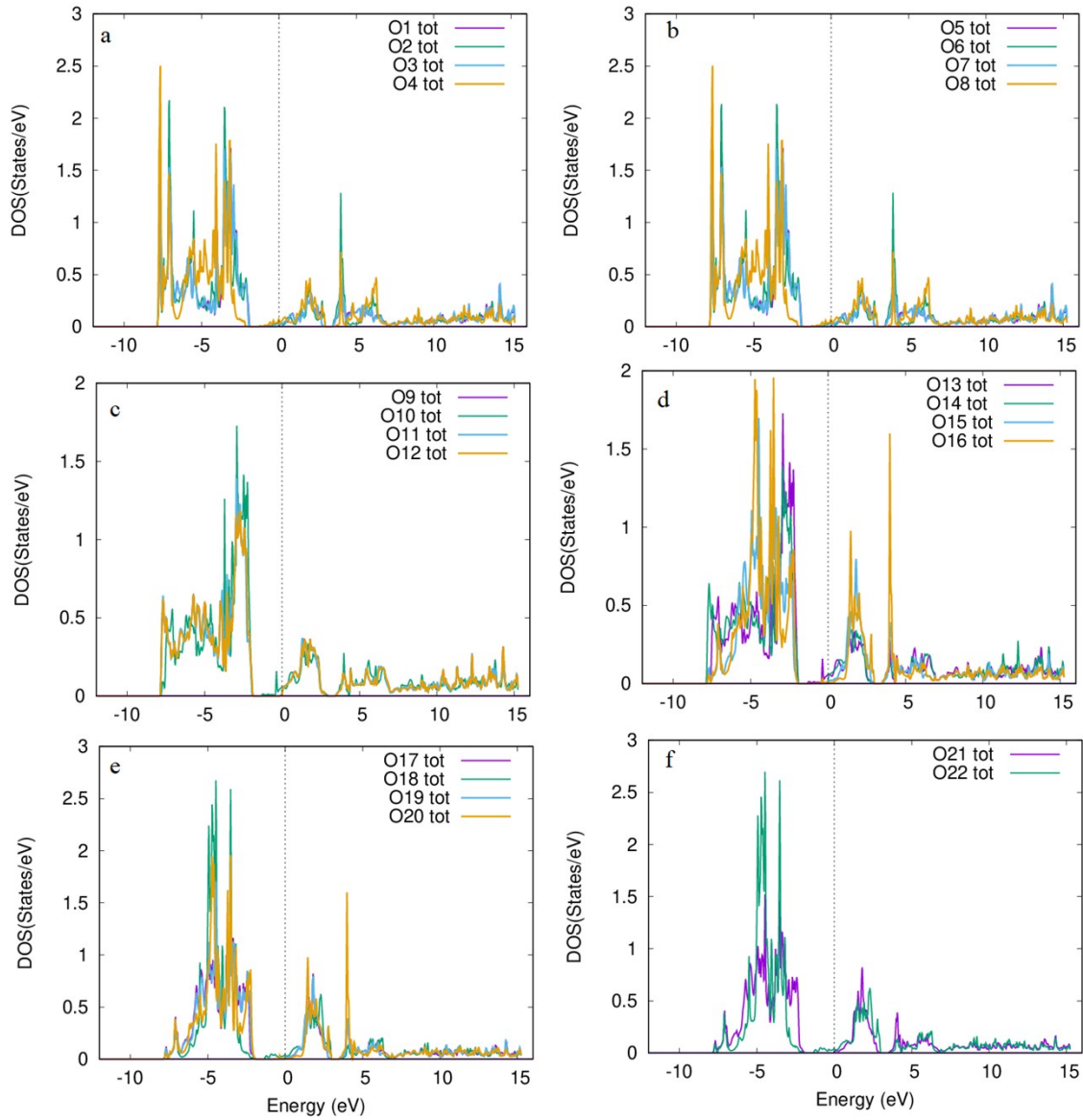


Figure S6 Total Density of states for O in Vacancy 2 structure of molybdenum oxide (MoO_3) supercell

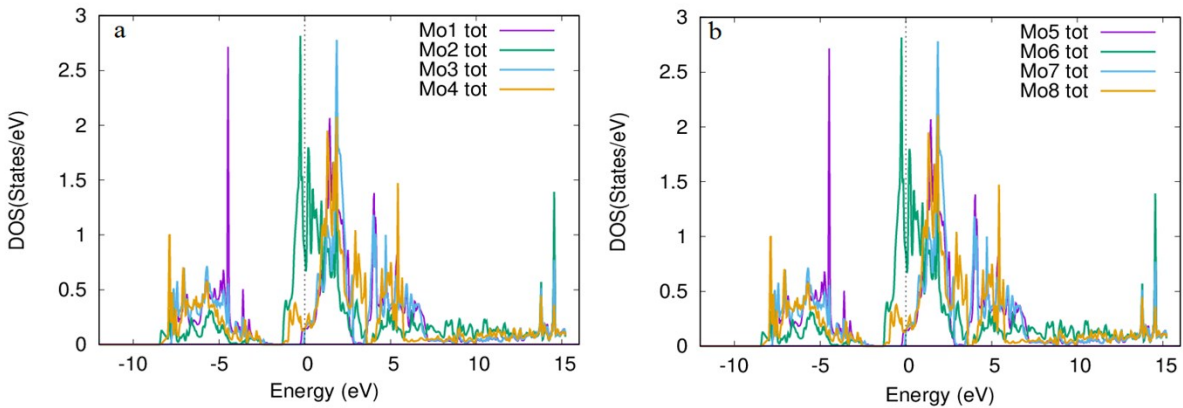


Figure S7 Total Density of states for Mo in Vacancy 3 structure of molybdenum oxide (MoO_3) supercell

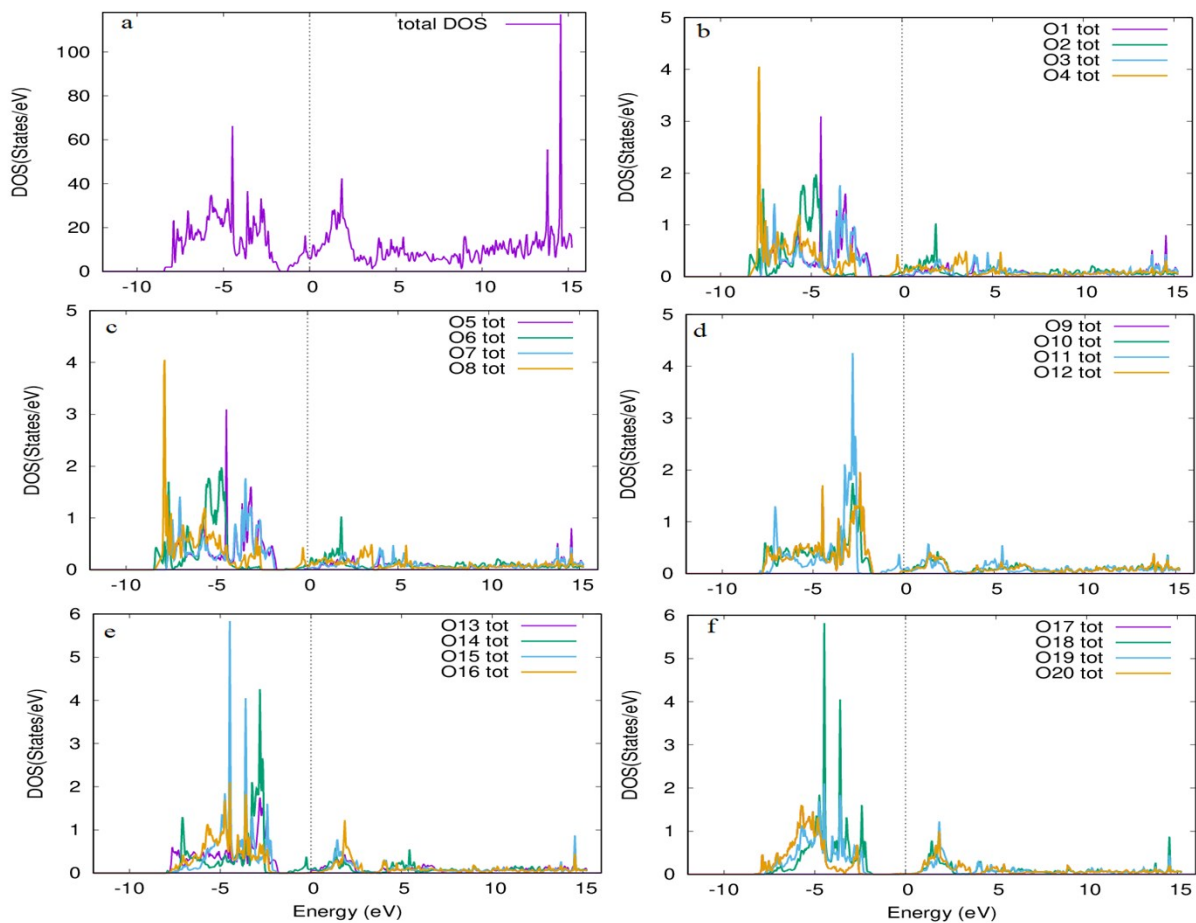


Figure S8 Total Density of states for O in Vacancy 3 structure of molybdenum oxide (MoO_3) supercell

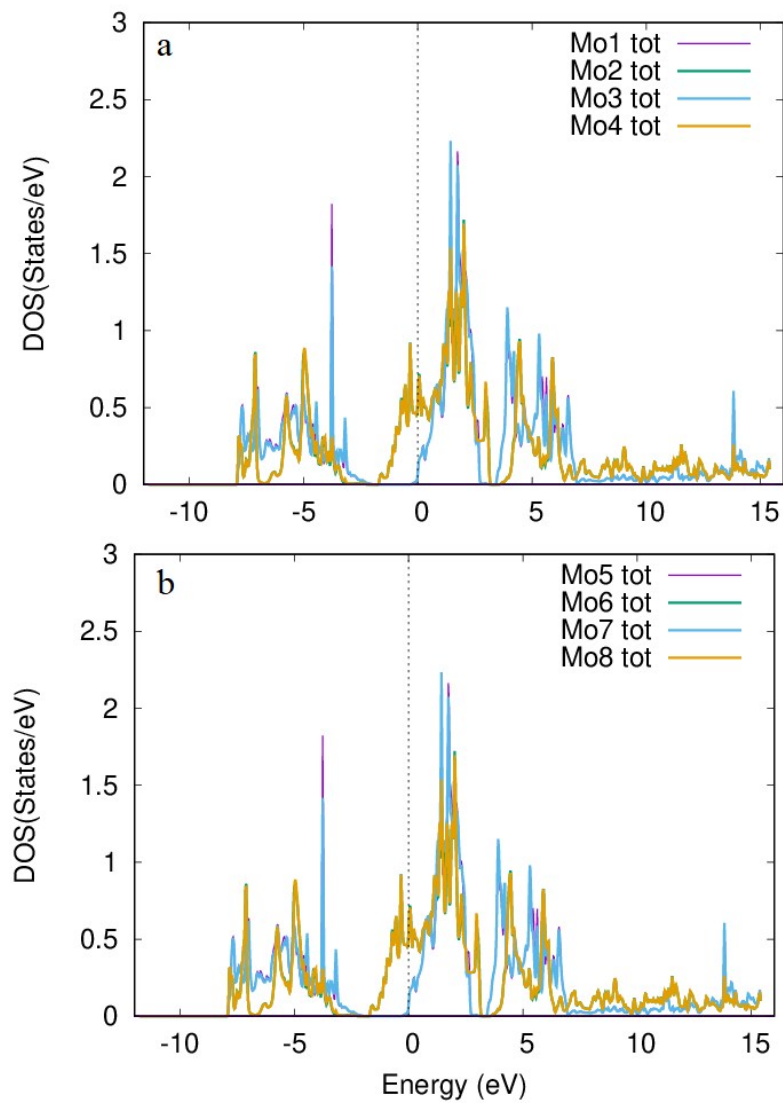


Figure S9 Total Density of states for Mo in Vacancy 14 structure of molybdenum oxide (MoO_3) supercell

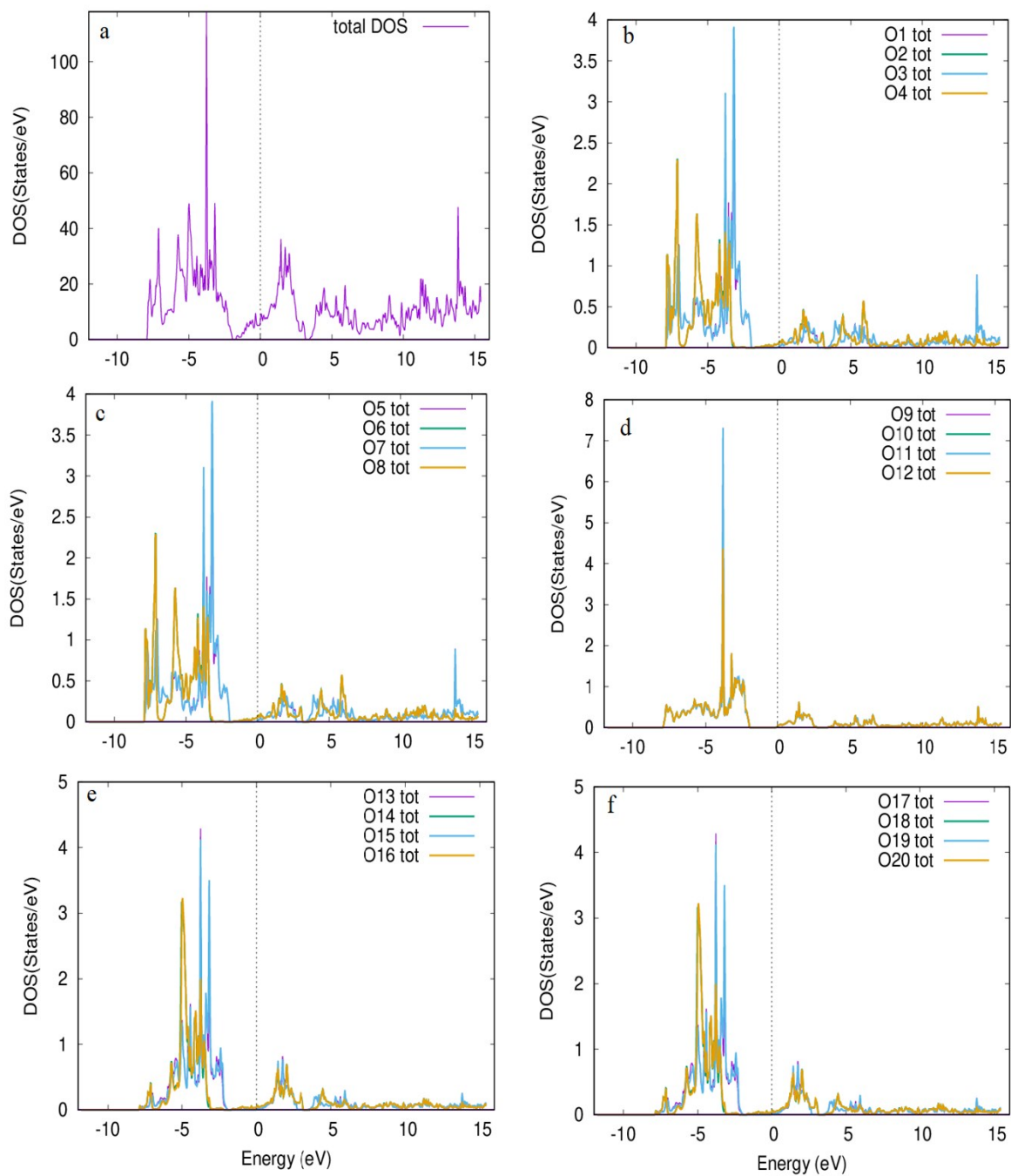


Figure S10 Total Density of states for O in Vacancy 4 structure of molybdenum oxide (MoO_3) supercell

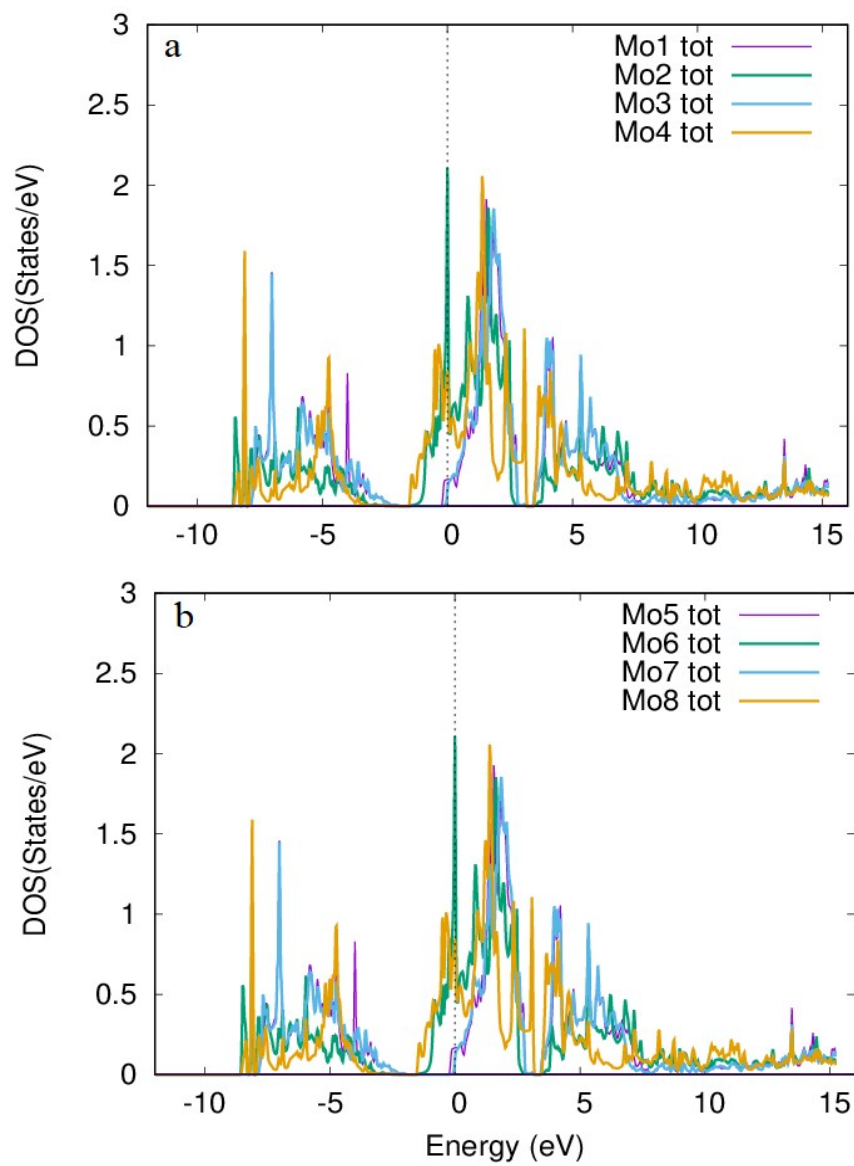


Figure S11 Total Density of states for Mo in Vacancy 5 structure of molybdenum oxide (MoO₃) supercell

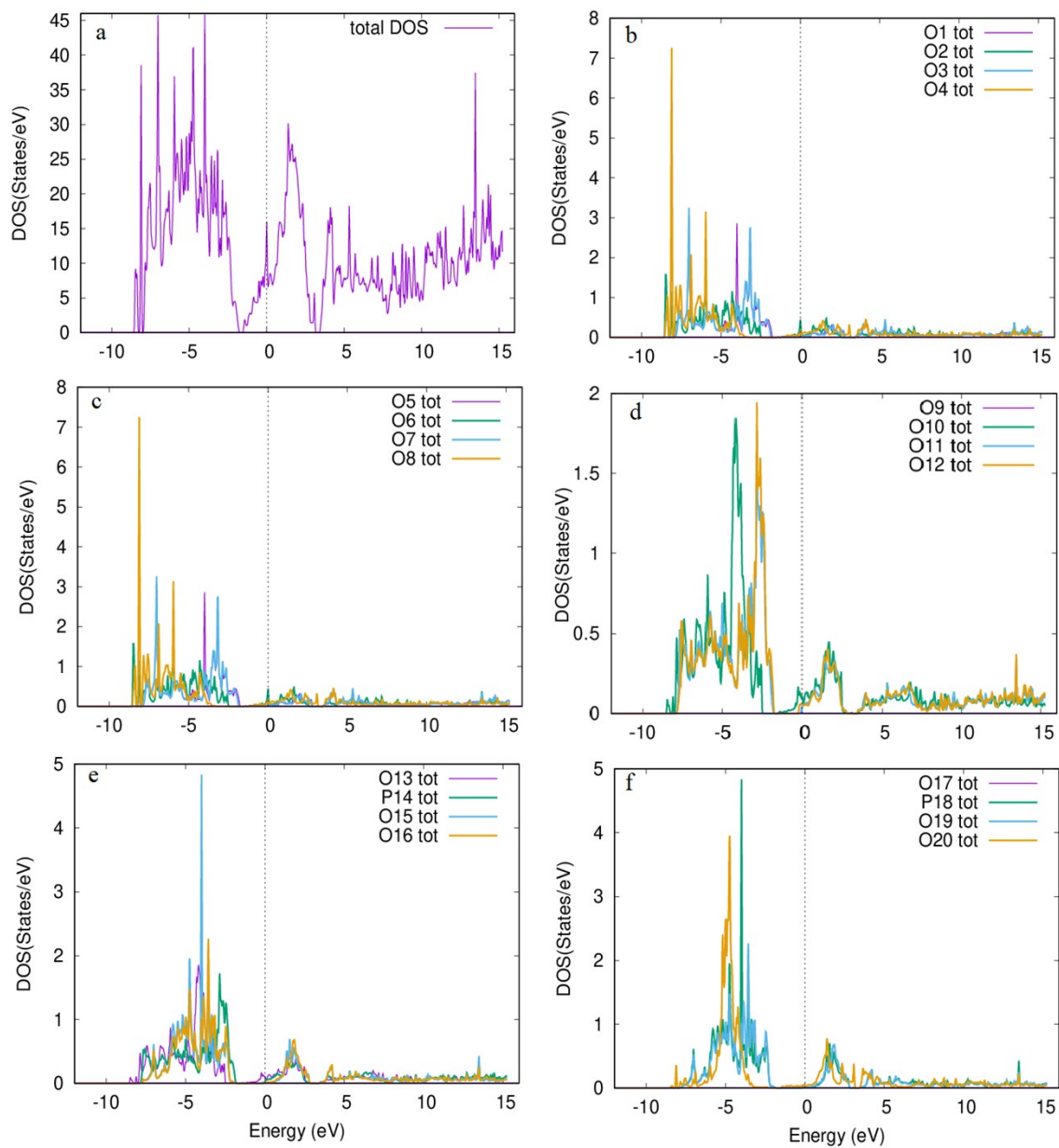


Figure S12 Total Density of states for O in Vacancy 5 structure of molybdenum trioxide (MoO_3) supercell