

Supplementary Table S1. CO₂ adsorption energy on various sites of CaO, Ni-CaO, Ce-CaO, and Ni-Ce-CaO surfaces.

Surfaces	CaO	Ni-CaO		Ce-CaO		Ni-Ce-CaO			
Sites	1	1	2	1	2	1	2	3	4
E_{ad} (eV)	-1.482	-1.712	-1.698	-1.670	-1.49	-1.522	-1.573	-1.522	-1.705