











































































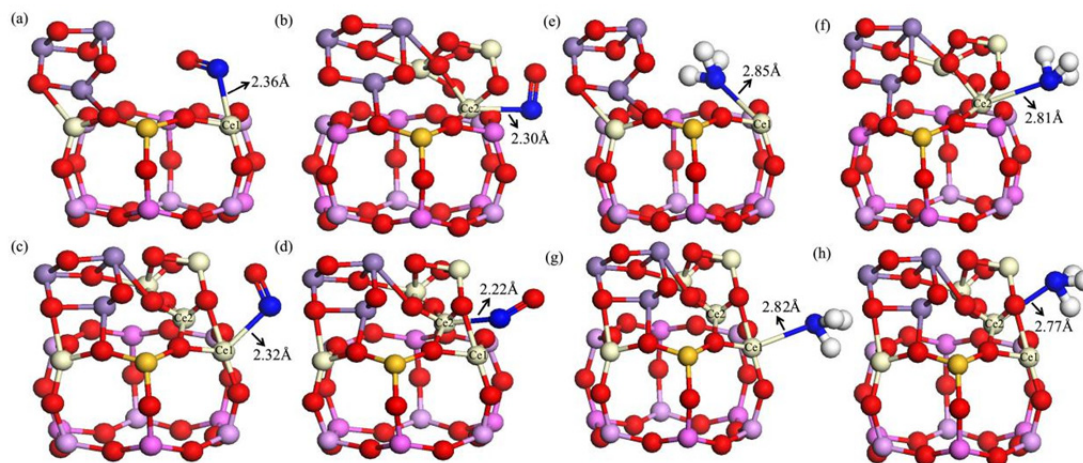








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Fig. 6. Optimized structures of NO and NH<sub>3</sub> adsorptions on Mn/CeAPSO-34(a,e), Mn-Ce/SAPO-34(b,f) and Mn-Ce/CeAPSO-34(c,d,g,h). The red balls are oxygen, purple balls are manganese, white balls are cerium, yellow balls are silicon, pink balls are aluminum, light pink balls are phosphorus.

Table 1 Adsorption energies of NO and NH<sub>3</sub> on catalysts

Sample	$E_{\text{ad}}(\text{NO})$ (eV)		$E_{\text{ad}}(\text{NH}_3)$ (eV)	
	Ce1	Ce2	Ce1	Ce2
Mn/CeAPSO-34	0.43	--	0.67	--
Mn-Ce/SAPO-34	--	0.52	--	0.79
Mn-Ce/CeAPSO-34	0.61	0.75	0.94	1.08

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