

R6 $\text{CH}_3\text{OH}^* \rightleftharpoons \text{CH}_2\text{OH}^* + \text{H}^*$			R7 $\text{CH}_2\text{OH}^* \rightleftharpoons \text{CH}_2\text{O}^* + \text{H}^*$			
	IS	TS	FS	IS	TS	FS
Pt_1/CeO_2	a1 $E_{\text{ads}} = -1.17 \text{ eV}$	a2 	a3 	a4 $E_{\text{ads}} = -2.33 \text{ eV}$	a5 	a6
Pt_1/CeO_2	b1 $E_{\text{ads}} = -1.00 \text{ eV}$	b2 	b3 	b4 $E_{\text{ads}} = -2.38 \text{ eV}$	b5 	b6
$\text{Pt}_1/\text{Ce}_{1-x}\text{O}_2$	c1 $E_{\text{ads}} = -0.74 \text{ eV}$	c2 	c3 	c4 $E_{\text{ads}} = -2.55 \text{ eV}$	c5 	c6
R8 $\text{CH}_2\text{OH}^* \rightleftharpoons \text{CHOH}^* + \text{H}^*$			R9 $\text{CHOH}^* \rightleftharpoons \text{COH}^* + \text{H}^*$			
	IS	TS	FS	IS	TS	FS
Pt_1/CeO_2	a1 $E_{\text{ads}} = -2.33 \text{ eV}$	a2 	a3 	a4 $E_{\text{ads}} = -4.36 \text{ eV}$	a5 	a6
Pt_1/CeO_2	b1 $E_{\text{ads}} = -2.38 \text{ eV}$	b2 	b3 	b4 $E_{\text{ads}} = -3.39 \text{ eV}$	b5 	b6
R10 $\text{CHOH}^* \rightleftharpoons \text{CHO}^* + \text{H}^*$			R11 $\text{COH}^* \rightleftharpoons \text{CO}^* + \text{H}^*$			
	IS	TS	FS	IS	TS	FS
Pt_1/CeO_2	c1 $E_{\text{ads}} = -4.36 \text{ eV}$	c2 	c3 	c4 $E_{\text{ads}} = -4.20 \text{ eV}$	c5 	c6
Pt_1/CeO_2	d1 $E_{\text{ads}} = -3.39 \text{ eV}$	d2 	d3 	d4 $E_{\text{ads}} = -4.60 \text{ eV}$	d5 	d6