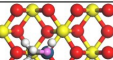
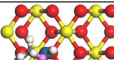
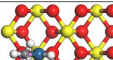
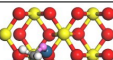
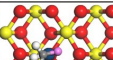
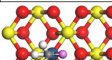
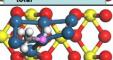
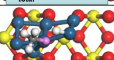
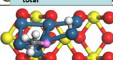
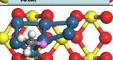
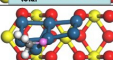
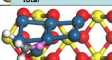
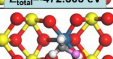
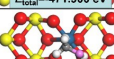
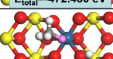
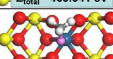
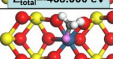
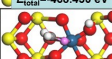
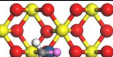
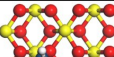
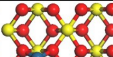
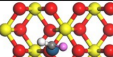
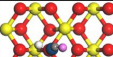
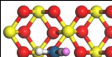
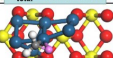
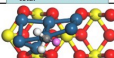
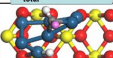
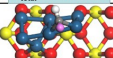
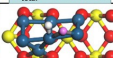
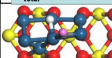
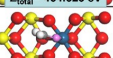
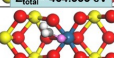
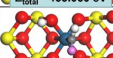
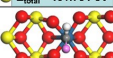
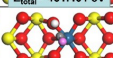
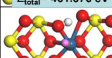
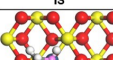
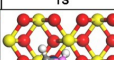
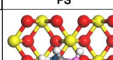
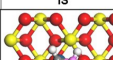
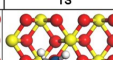
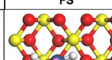
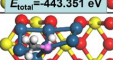
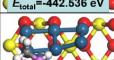
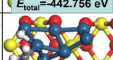
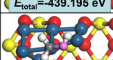
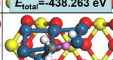
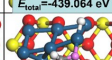
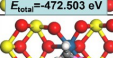
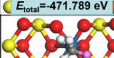
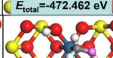
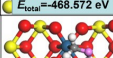
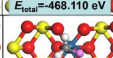
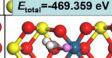
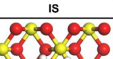
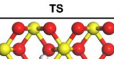
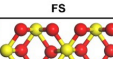
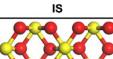
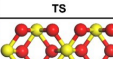
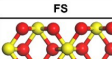
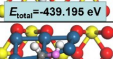
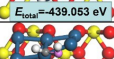
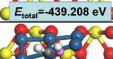
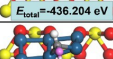
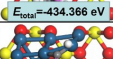
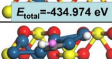
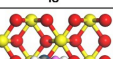
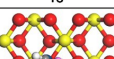
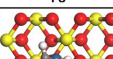
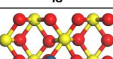
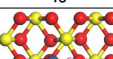
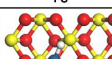
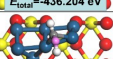
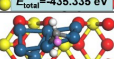
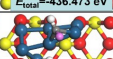
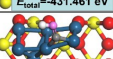
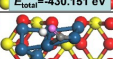
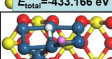


R2 CH ₃ OH* ⇌ CH ₃ O*+H*						R3 CH ₃ O* ⇌ CH ₂ O*+H*					
IS		TS		FS		IS		TS		FS	
 $E_{\text{total}}=-443.351 \text{ eV}$		 $E_{\text{total}}=-442.882 \text{ eV}$		 $E_{\text{total}}=-444.332 \text{ eV}$		 $E_{\text{total}}=-439.612 \text{ eV}$		 $E_{\text{total}}=-438.573 \text{ eV}$		 $E_{\text{total}}=-439.018 \text{ eV}$	
 $E_{\text{total}}=-472.503 \text{ eV}$		 $E_{\text{total}}=-471.900 \text{ eV}$		 $E_{\text{total}}=-472.430 \text{ eV}$		 $E_{\text{total}}=-468.341 \text{ eV}$		 $E_{\text{total}}=-468.000 \text{ eV}$		 $E_{\text{total}}=-468.430 \text{ eV}$	
 $E_{\text{total}}=-428.618 \text{ eV}$		 $E_{\text{total}}=-428.580 \text{ eV}$		 $E_{\text{total}}=-429.726 \text{ eV}$		 $E_{\text{total}}=-424.203 \text{ eV}$		 $E_{\text{total}}=-423.846 \text{ eV}$		 $E_{\text{total}}=-425.147 \text{ eV}$	
R4 CH ₂ O* ⇌ CHO*+H*						R5 CHO* ⇌ CO*+H*					
IS		TS		FS		IS		TS		FS	
 $E_{\text{total}}=-436.223 \text{ eV}$		 $E_{\text{total}}=-435.119 \text{ eV}$		 $E_{\text{total}}=-437.764 \text{ eV}$		 $E_{\text{total}}=-431.325 \text{ eV}$		 $E_{\text{total}}=-430.674 \text{ eV}$		 $E_{\text{total}}=-433.038 \text{ eV}$	
 $E_{\text{total}}=-464.623 \text{ eV}$		 $E_{\text{total}}=-464.355 \text{ eV}$		 $E_{\text{total}}=-465.060 \text{ eV}$		 $E_{\text{total}}=-461.791 \text{ eV}$		 $E_{\text{total}}=-461.401 \text{ eV}$		 $E_{\text{total}}=-461.876 \text{ eV}$	
 $E_{\text{total}}=-421.038 \text{ eV}$		 $E_{\text{total}}=-420.993 \text{ eV}$		 $E_{\text{total}}=-423.120 \text{ eV}$		 $E_{\text{total}}=-417.409 \text{ eV}$		 $E_{\text{total}}=-416.841 \text{ eV}$		 $E_{\text{total}}=-418.489 \text{ eV}$	
R6 CH ₃ OH* ⇌ CH ₂ OH*+H*						R7 CH ₂ OH* ⇌ CH ₂ O*+H*					
IS		TS		FS		IS		TS		FS	
 $E_{\text{total}}=-443.351 \text{ eV}$		 $E_{\text{total}}=-442.536 \text{ eV}$		 $E_{\text{total}}=-442.756 \text{ eV}$		 $E_{\text{total}}=-439.195 \text{ eV}$		 $E_{\text{total}}=-438.263 \text{ eV}$		 $E_{\text{total}}=-439.064 \text{ eV}$	
 $E_{\text{total}}=-472.503 \text{ eV}$		 $E_{\text{total}}=-471.789 \text{ eV}$		 $E_{\text{total}}=-472.462 \text{ eV}$		 $E_{\text{total}}=-468.572 \text{ eV}$		 $E_{\text{total}}=-468.110 \text{ eV}$		 $E_{\text{total}}=-469.359 \text{ eV}$	
 $E_{\text{total}}=-428.618 \text{ eV}$		 $E_{\text{total}}=-428.135 \text{ eV}$		 $E_{\text{total}}=-430.602 \text{ eV}$		 $E_{\text{total}}=-425.123 \text{ eV}$		 $E_{\text{total}}=-424.952 \text{ eV}$		 $E_{\text{total}}=-425.513 \text{ eV}$	
R8 CH ₂ OH* ⇌ CHOH*+H*						R9 CHOH* ⇌ COH*+H*					
IS		TS		FS		IS		TS		FS	
 $E_{\text{total}}=-439.195 \text{ eV}$		 $E_{\text{total}}=-439.053 \text{ eV}$		 $E_{\text{total}}=-439.208 \text{ eV}$		 $E_{\text{total}}=-436.204 \text{ eV}$		 $E_{\text{total}}=-434.366 \text{ eV}$		 $E_{\text{total}}=-434.974 \text{ eV}$	
 $E_{\text{total}}=-468.572 \text{ eV}$		 $E_{\text{total}}=-467.277 \text{ eV}$		 $E_{\text{total}}=-468.000 \text{ eV}$		 $E_{\text{total}}=-464.560 \text{ eV}$		 $E_{\text{total}}=-463.353 \text{ eV}$		 $E_{\text{total}}=-465.656 \text{ eV}$	
R10 COH* ⇌ CHO*+H*						R11 COH* ⇌ CO*+H*					
IS		TS		FS		IS		TS		FS	
 $E_{\text{total}}=-436.204 \text{ eV}$		 $E_{\text{total}}=-435.335 \text{ eV}$		 $E_{\text{total}}=-436.473 \text{ eV}$		 $E_{\text{total}}=-431.461 \text{ eV}$		 $E_{\text{total}}=-430.151 \text{ eV}$		 $E_{\text{total}}=-433.166 \text{ eV}$	
 $E_{\text{total}}=-464.560 \text{ eV}$		 $E_{\text{total}}=-463.783 \text{ eV}$		 $E_{\text{total}}=-465.864 \text{ eV}$		 $E_{\text{total}}=-461.184 \text{ eV}$		 $E_{\text{total}}=-460.211 \text{ eV}$		 $E_{\text{total}}=-461.876 \text{ eV}$	