

Correction to “Unraveling the Role of Metal–Support Interactions in Heterogeneous Catalysis: Oxygenate Selectivity in Fischer–Tropsch Synthesis”

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Our recent ACS Catalysis manuscript contains several typographical errors within Tables 3, 7, and 8. These errors were inadvertent production errors that were not detected until after publication. The corrected tables are below, with the affected entries in boldface font.

Table 7. ΔE_{rxn} for the Rh₃₇ Nanoparticle and Changes in Reaction Energies ($\Delta\Delta E_{\text{rxn}}$) for the Various Reactions with a Silica (SiO₂) Based Support (eV)

adsorbate	ΔE_{rxn}	$\Delta\Delta E_{\text{rxn}}$			
		Rh ₃₇ /SiO ₂		Rh ₃₇ /(OH)(H) SiO ₂	
		rigid	relaxed	rigid	relaxed
CO → C + O	0.82	−0.04	−0.50	−0.15	−0.41
CH ₂ + H → CH ₃	0.06	−0.07	0.08	−0.06	0.06
CH ₃ + H → CH ₄	−0.02	−0.10	0.20	−0.02	0.16
CH ₂ + CO → CH ₂ CO	0.70	0.06	0.08	0.04	0.09
CH ₃ + CO → CH ₃ CO	0.33	0.00	0.01	−0.03	0.01

Table 8. ΔE_{rxn} for the Rh₃₇ Nanoparticle and Changes in Reaction Energies ($\Delta\Delta E_{\text{rxn}}$) for the Various Reactions with a Titania (TiO₂) Based Support (eV)

reaction	ΔE_{rxn}	$\Delta\Delta E_{\text{rxn}}$			
		Rh ₃₇ /TiO ₂		Rh ₃₇ /(OH)(H) TiO ₂	
		rigid	relaxed	rigid	relaxed
CO → C + O	0.82	−0.67	−1.12	−0.18	−0.53
CH ₂ + H → CH ₃	0.06	−0.04	0.15	−0.07	0.11
CH ₃ + H → CH ₄	−0.02	0.47	0.58	−0.23	−0.01
CH ₂ + CO → CH ₂ CO	0.70	0.24	0.46	−0.12	0.04
CH ₃ + CO → CH ₃ CO	0.33	0.36	−0.17	−0.12	−0.05

Table 7 contains a sign error in the entry for the CO → C + O reaction on Rh₃₇/SiO₂/relaxed. The entry should read −0.50 eV (not 0.50 eV).

Table 8 contains a typo for the CO → C + O reaction on Rh₃₇/TiO₂/relaxed. The entry should read −1.12 eV (not −0.12 eV).

In addition, Table 3 is missing an “adsorbate” label for “CH₂” which should occur between the row for “H” and “CH₃”.

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