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CORRECTION

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Correction: General component additivity, reaction engineering, and machine learning models for hydrothermal liquefaction

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Correction for 'General component additivity, reaction engineering, and machine learning models for hydrothermal liquefaction' by Peter M. Guirguis *et al.*, *RSC Sustainability*, 2025, **3**, 1788–1799, https://doi.org/10.1039/D4SU00737A.

The authors regret that the incorrect values were given in Table 3 for the activation energy and the rate constant at 350 °C for $k_{2,\mathrm{Pe,Ps}}$ due to a copy/paste error. Instead of 49.7 kJ mol^{-1} and 1.02 min^{-1}, as shown in the table, the values should be 57.5 kJ mol^{-1} and 0.226 min^{-1}. These corrections do not alter any of the figures or discussion in the manuscript and the conclusions remain unchanged as well. The authors apologize for this error and any difficulty it may have caused for interested readers.

The correct Table 3 reads as follow:

Table 3 Parameters for the reaction engineering model in Fig. 3 coupled with eqn (12)

Parameter label	ln[A] (ln[min^{-1}])	E_a (kJ mol^{-1})	k@350 °C (min^{-1})	Parameter label	ln[A] (ln[min^{-1}])	E_a (kJ mol^{-1})	k@350 °C (min^{-1})
$k_{1,\mathrm{Pe}}$	−0.107	0.00860	0.897	$k_{1,\mathrm{Pe,Ft}}$	40.6	203	4.26
$k_{1,\mathrm{Ft}}$	10.2	33.5	40.7	$k_{1,\mathrm{Pe,Ps}}$	10.9	105	9.04×10^{-5}
$k_{1,\mathrm{Ce}}$	7.55	47.9	0.184	$k_{1,\mathrm{Pe,Lg}}$	20.6	85.5	62.7
$k_{1,\mathrm{He}}$	13.8	88.1	0.0387	$k_{1,\mathrm{Ft,Ps}}$	7.88	25.2	20.2
$k_{1,\mathrm{St}}$	7.42	40.5	0.668	$k_{1,\mathrm{Ft,Lg}}$	4.73	1.33	87.6
$k_{1,\mathrm{Lg}}$	−2.82	4.35	0.0257	$k_{1,\mathrm{Ps,Lg}}$	45.3	248	0.0758
$k_{2,\mathrm{Pe}}$	0.370	5.18	0.533	$k_{2,\mathrm{Pe,Ft}}$	15.4	54.5	126
$k_{2,\mathrm{Ft}}$	1.73	3.39	2.93	$k_{2,\mathrm{Pe,Ps}}$	9.62	57.5	0.226
$k_{2,\mathrm{Ce}}$	10.1	69.9	0.0353	$k_{2,\mathrm{Pe,Lg}}$	4.47	17.9	2.74
$k_{2,\mathrm{He}}$	14.3	86.8	0.0887	$k_{2,\mathrm{Ft,Ps}}$	16.0	57.4	133
$k_{2,\mathrm{St}}$	9.18	58.7	0.116	$k_{2,\mathrm{Ft,Lg}}$	19.1	36.7	1.66×10^{5}
$k_{2,\mathrm{Lg}}$	−2.05	13.9	0.00872	$k_{2,\mathrm{Ps,Lg}}$	25.7	227	1.35×10^{-8}
k_3	6.30	214	6.07×10^{-16}	k_5	−2.86	10.9	0.00696
k_4	2.11	48.9	0.00066	k_6	14.3	107	0.00181

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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