Correction to: Relaxation Dynamics of Ethanol and N-Butanol in Diesel Fuel Blends from Terahertz Spectroscopy

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Table 1 should read as follows:

Table 2 should read as follows:

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Table.1 Most common modifications from Debye model

Model	Equation
Debye [19]	$\epsilon(\omega) = \epsilon_{\infty} + \frac{\epsilon_s - \epsilon_{\infty}}{1 + i\omega\tau}$
Cole-Cole [23]	$\epsilon(\omega) = \epsilon_{\infty} + \frac{\epsilon_s - \epsilon_{\infty}}{1 + (i\omega\tau)^{1-\alpha}}$
Davidson-Cole [24]	$\epsilon(\omega) = \epsilon_{\infty} + \frac{\epsilon_s - \epsilon_{\infty}}{(1 + i\omega\tau)^{\beta}}$
Havriliak-Negami [25]	$\epsilon(\omega) = \epsilon_{\infty} + \frac{\epsilon_s - \epsilon_{\infty}}{(1 + (i\omega\tau)^{1-\alpha})^{\beta}}$

α, β are in the range [0,1]

Table.2 Expansion of the real and imaginary parts of the Debye dielectric relaxation model for diesel, biodiesel, ethanol, and n-butanol

Diesel	$\epsilon_{realD}(\omega) = \epsilon_{\infty D} + \frac{\epsilon_{1D} - \epsilon_{\infty D}}{1 + (\omega \cdot \tau_{1D})^2}$ $\epsilon_{imgD}(\omega) = \frac{(\epsilon_{1D} - \epsilon_{\infty D}) \cdot \omega \cdot \tau_{1D}}{1 + (\omega \cdot \tau_{1D})^2}$
Biodiesel	$\epsilon_{realB}(\omega) = \epsilon_{\infty B} + \frac{\epsilon_{1B} - \epsilon_{2B}}{1 + (\omega \cdot \tau_{1B})^2} + \frac{\epsilon_{2B} - \epsilon_{\infty B}}{1 + (\omega \cdot \tau_{2B})^2}$ $\epsilon_{imgB}(\omega) = \frac{(\epsilon_{1B} - \epsilon_{2B}) \cdot \omega \cdot \tau_{1B}}{1 + (\omega \cdot \tau_{1B})^2} + \frac{(\epsilon_{2B} - \epsilon_{\infty B}) \cdot \omega \cdot \tau_{2B}}{1 + (\omega \cdot \tau_{2B})^2}$
Ethanol	$\epsilon_{realEt}(\omega) = \epsilon_{\infty Et} + \frac{\epsilon_{1Et} - \epsilon_{2Et}}{1 + (\omega \cdot \tau_{1Et})^2} + \frac{\epsilon_{2Et} - \epsilon_{3Et}}{1 + (\omega \cdot \tau_{2Et})^2} + \frac{\epsilon_{3Et} - \epsilon_{\infty Et}}{1 + (\omega \cdot \tau_{3Et})^2}$ $\epsilon_{imgEt}(\omega) = \frac{(\epsilon_{1Et} - \epsilon_{2Et}) \cdot \omega \cdot \tau_{1Et}}{1 + (\omega \cdot \tau_{1Et})^2} + \frac{(\epsilon_{2Et} - \epsilon_{3Et}) \cdot \omega \cdot \tau_{2Et}}{1 + (\omega \cdot \tau_{2Et})^2} + \frac{(\epsilon_{3Et} - \epsilon_{\infty Et}) \cdot \omega \cdot \tau_{3Et}}{1 + (\omega \cdot \tau_{3Et})^2}$
n-Butanol	$\epsilon_{realBu}(\omega) = \epsilon_{\infty Bu} + \frac{\epsilon_{1Bu} - \epsilon_{2Bu}}{1 + (\omega \cdot \tau_{1Bu})^2} + \frac{\epsilon_{2Bu} - \epsilon_{3Bu}}{1 + (\omega \cdot \tau_{2Bu})^2} + \frac{\epsilon_{3Bu} - \epsilon_{\infty Bu}}{1 + (\omega \cdot \tau_{3Bu})^2}$ $\epsilon_{imgBu}(\omega) = \frac{(\epsilon_{1Bu} - \epsilon_{2Bu}) \cdot \omega \cdot \tau_{1Bu}}{1 + (\omega \cdot \tau_{1Bu})^2} + \frac{(\epsilon_{2Bu} - \epsilon_{3Bu}) \cdot \omega \cdot \tau_{2Bu}}{1 + (\omega \cdot \tau_{2Bu})^2} + \frac{(\epsilon_{3Bu} - \epsilon_{\infty Bu}) \cdot \omega \cdot \tau_{3Bu}}{1 + (\omega \cdot \tau_{3Bu})^2}$

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