

Corrigendum

The Eq.4.30 presented in the thesis and the Eq.39 in Paper VI should be

$$\dot{\omega} = \frac{D_1 \omega e^{\left(\frac{Q_2}{RT}\right)}}{(1 - \omega)^{D_3}} \left(1 - \frac{\rho_0}{\rho_i}\right)$$