

## **Errata for appended publications**

Paper I: The unit of the acetic acid concentrations listed in the experimental section should be vol-%, not wt-% (e.g., 33.3 vol-%, not 33 wt-%).

Paper I: “Composition as conversion rates of element” in Table 1 should be “Composition based on the extent of conversion”.

Paper II: % of substance are wt-% unless stated otherwise.

Paper II: NaOH in Figure 7 should be 100 wt-%, not 50 wt-%.

Paper II: “regeneration of NaOH” in Chapter 4 should be “production of NaOH”.

Paper III: In Chapter 3.3, the amount of acetic acid required for the production of 1 t of calcium carbonate is 1.4 t, not 0.7 t.

Paper IV: The ICP-AES analysis of ladle slag is missing from Table 4.

Paper V: The temperature of the experiments presented in Chapters 2.2 and 3.2 should be room temperature, not 30 °C, and the stirring speed of the magnetic stirrer 500 rpm, not 500-1000 rpm.

Paper V: “stirring 2.3 kg CaCO<sub>3</sub> in the carbonation reactor” should be “stirring 2.3 t CaCO<sub>3</sub> in the carbonation reactor”.

Paper VI: Table 3 should also contain Al: Steel converter slag 0.8 wt-%, Residual slag from CH<sub>3</sub>COONH<sub>4</sub> solution 1.1 wt-%, Residual slag from NH<sub>4</sub>NO<sub>3</sub> solution 1.2 wt-%, Residual slag from NH<sub>4</sub>Cl solution 1.1 wt-%.

These errors have been taken into account in the summary part of this thesis.