Supporting Information

Decomposition of Potent Greenhouse Gas Sulfur Hexafluoride (SF_6) by Kirschsteinite-dominant Stainless Steel Slag

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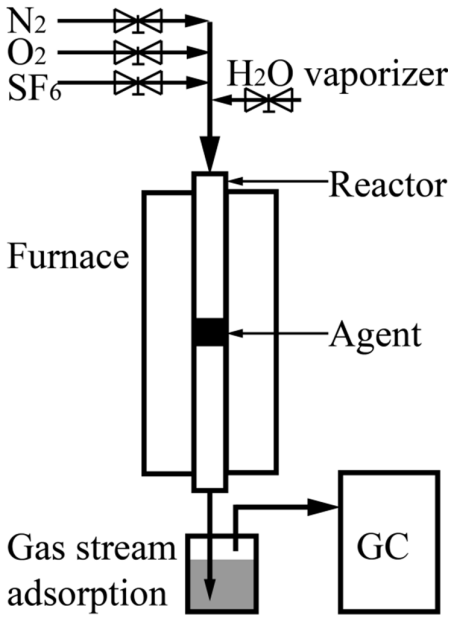

Figure S1 Schematic diagram of experimental setup

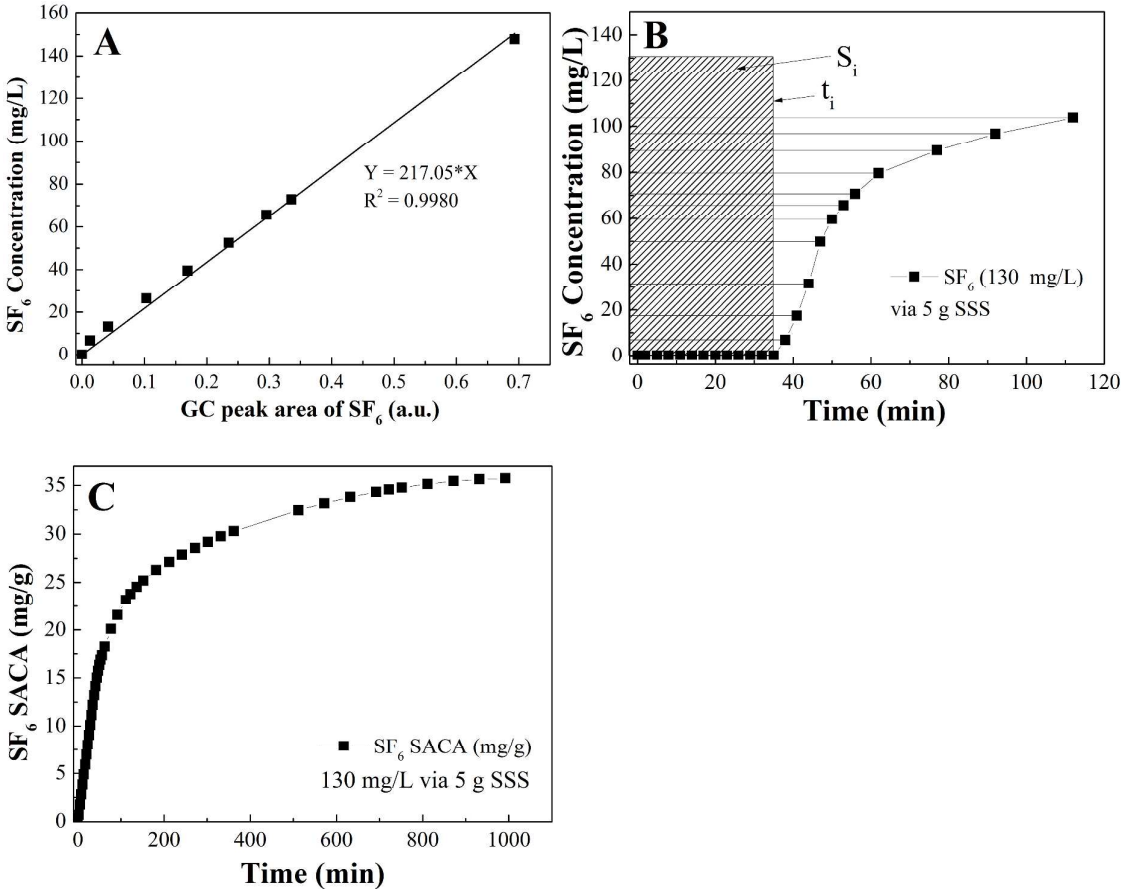

Figure S2. Data acquirement, treatment and presentation

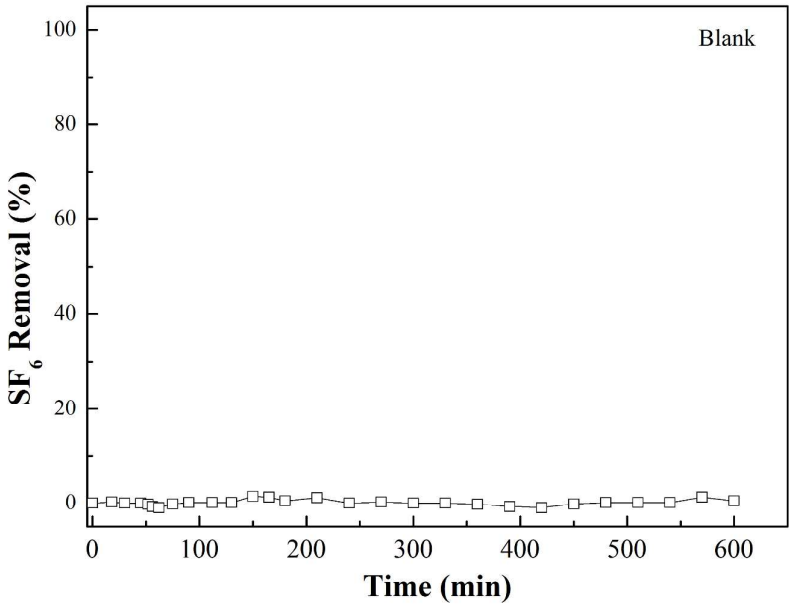

Figure S3. Blank test ran under no slag at 600 ^{o}C

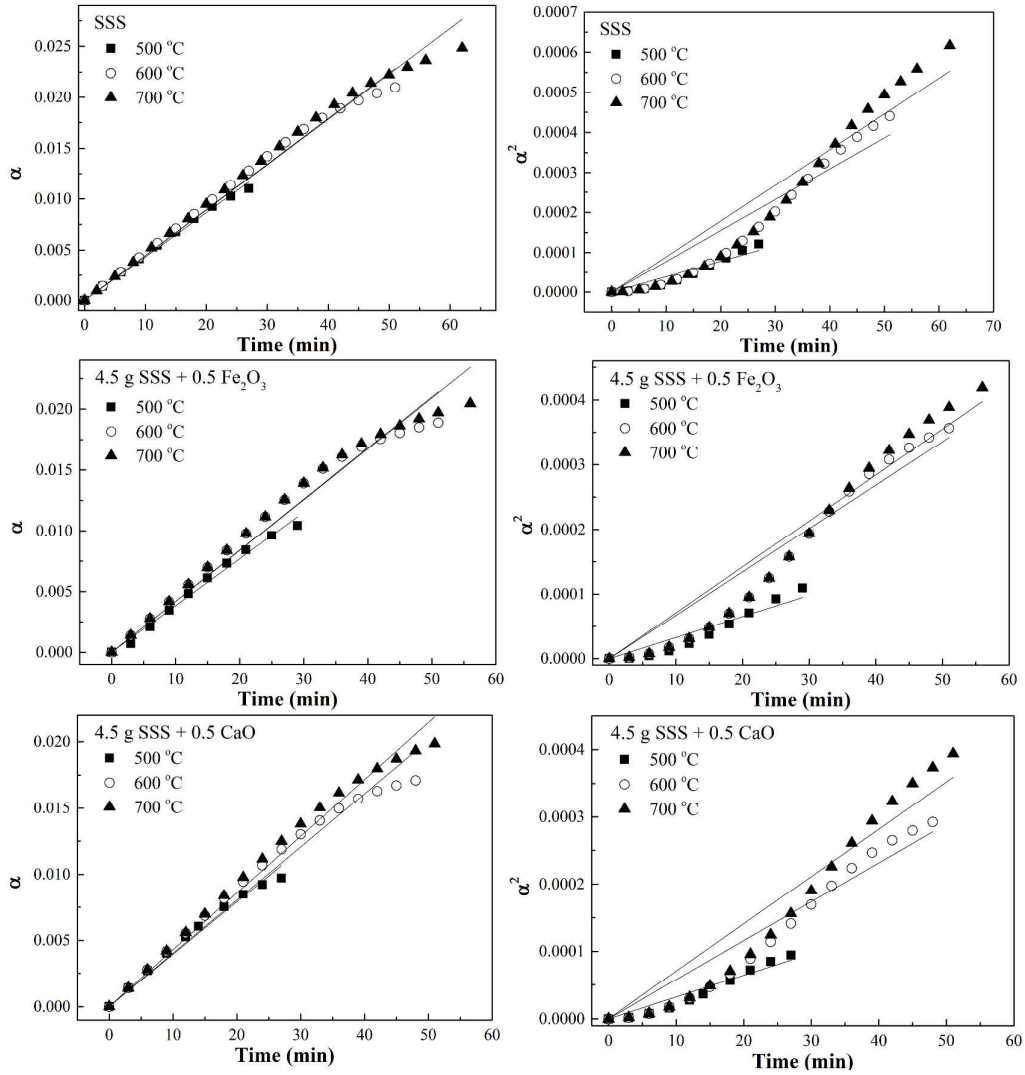

Figure S4 α and α^2 fitted with time

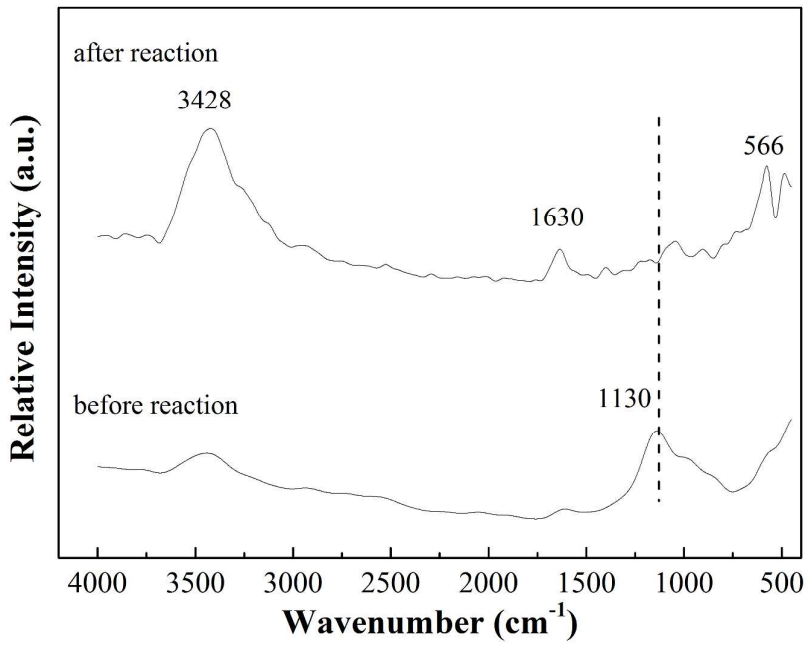

Figure S5 FTIR of slag before and after reaction

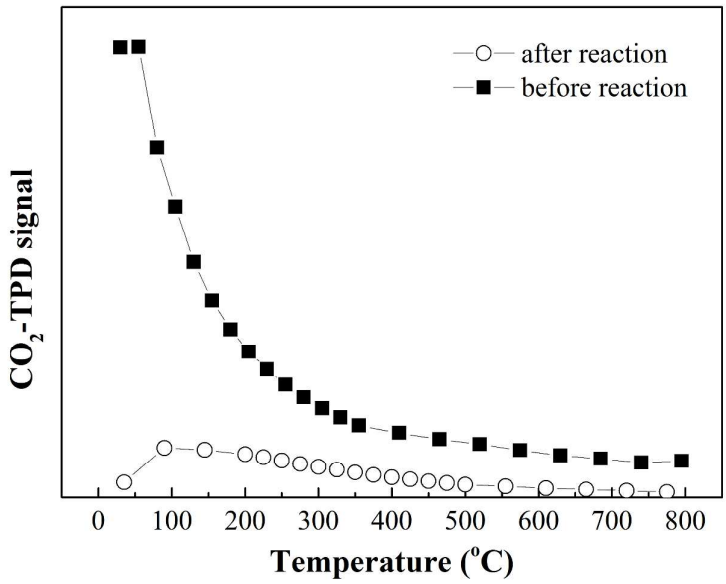

Figure S6 CO_2-TPD of slag before and after reaction

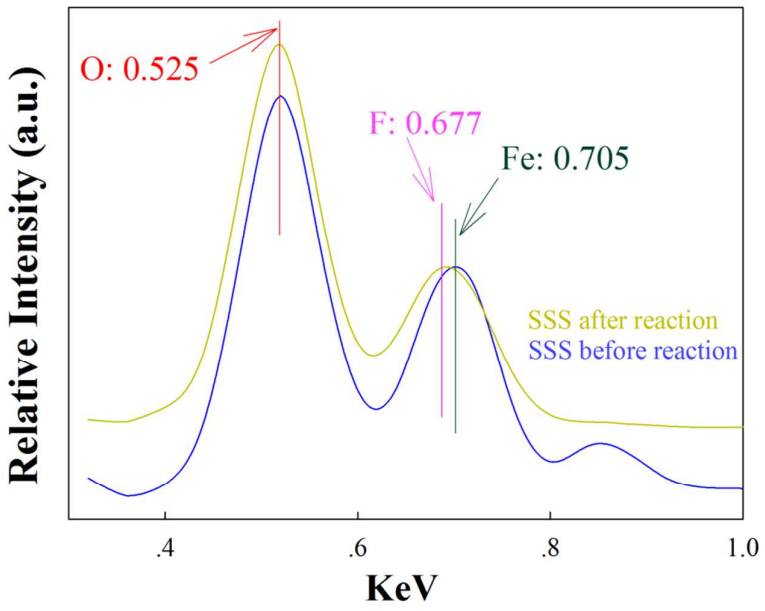

Figure S7 EDSs of SSS before and after reaction: partial comparison

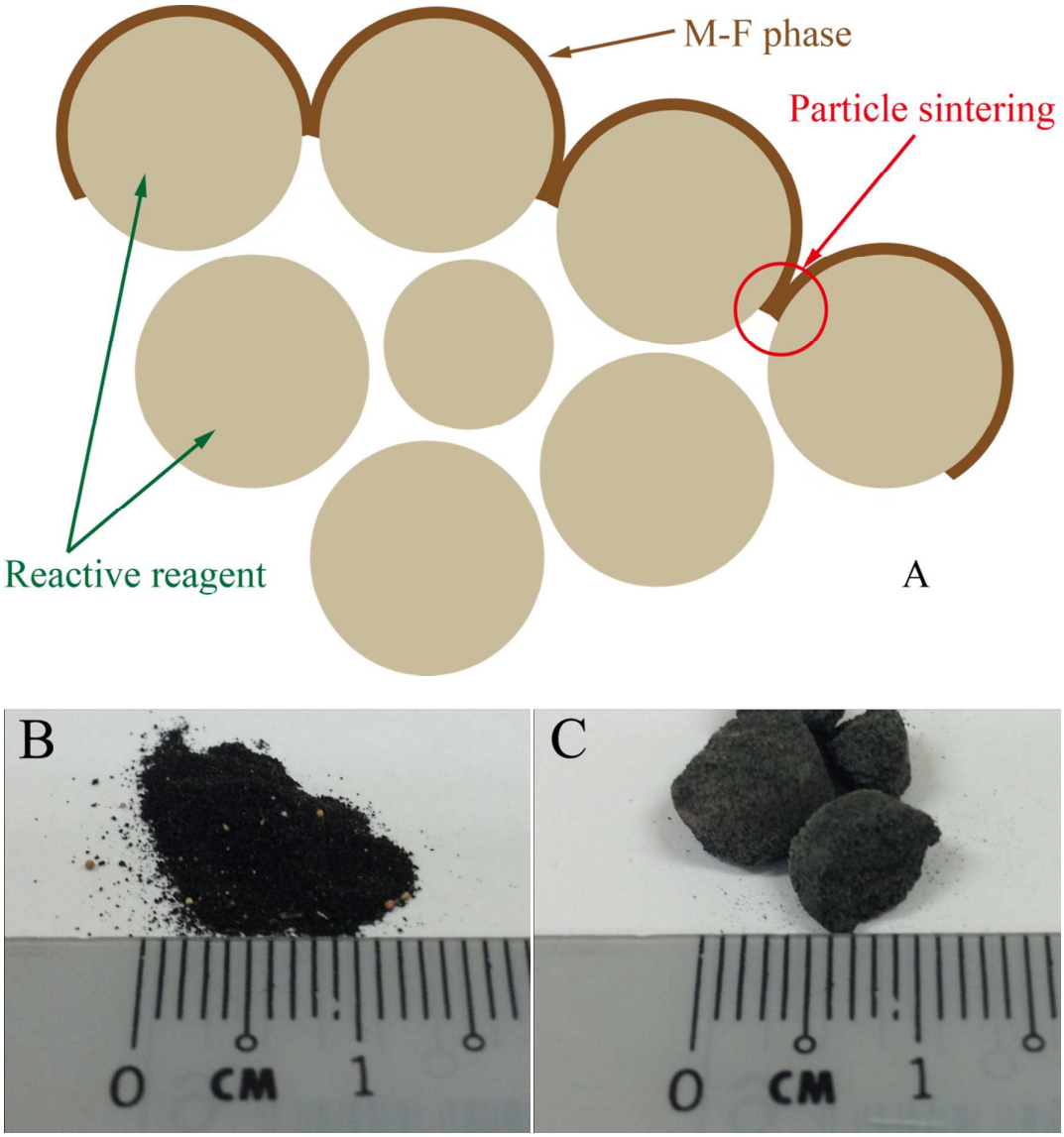

Figure S8 Scheme of sintering **(A);** reacted SSS powder **(B)**; reacted SSS with 10 % Fe_2O_3 **(C)**