Figure 1
Figure 2

Log($P_{S_2}$) vs log($P_{O_2}$) at 1100 K.

Chemical species include:
- Ce$_2$S$_3$
- Ce$_3$S$_4$
- CeS
- Ce$_2$O$_3$
- Ce$_2$O$_3$S
- CeO$_2$
- CeO$_{1.72}$
- CeO$_{1.83}$
- Ce$_2$(SO$_4$)$_3$
Figure 4
Figure 5

The figure shows a log-log plot of oxygen pressure (\(P_{O2}\)) versus sulfur pressure (\(P_{S2}\)) at 973 K. Various cerium oxide phases are represented, including Ce\(_2\)O\(_3\), Ce\(_2\)O\(_2\)S, CeO\(_{1.83}\), and CeO\(_{1.72}\). The phases are indicated by different markers and line styles on the plot.
Figure 6