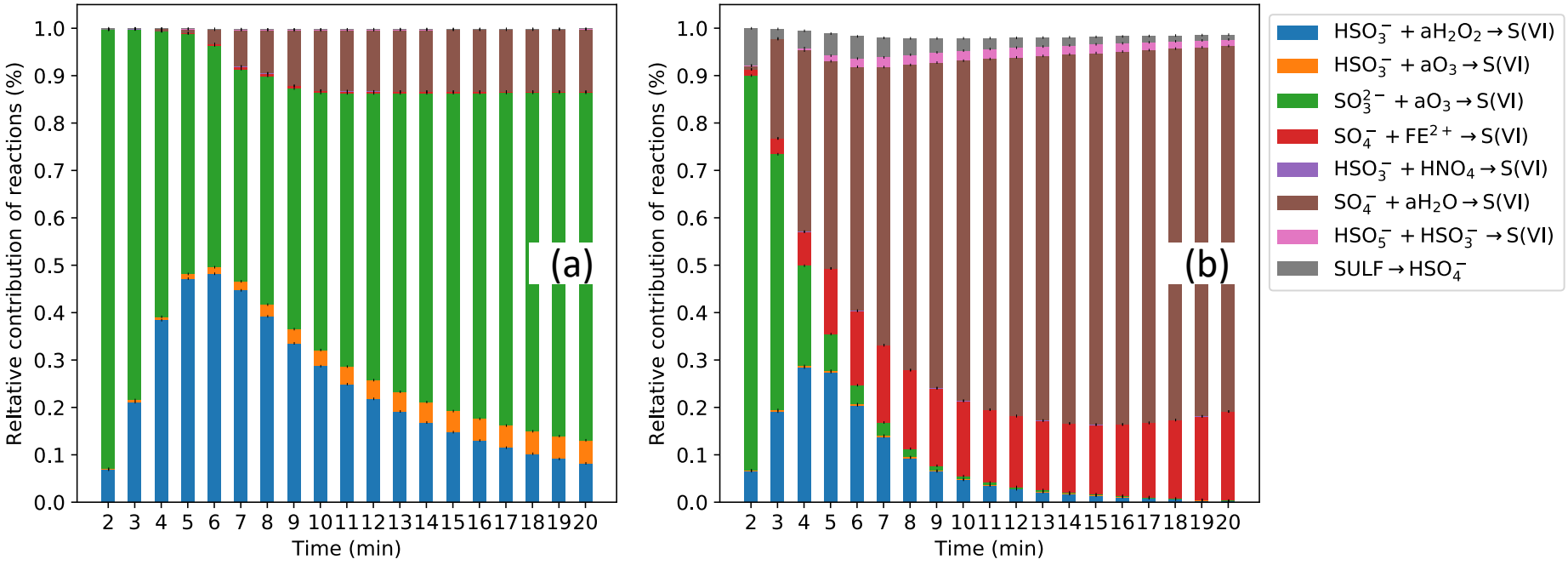
(a)
(b)
Reltative contribution of reactions (%)
Time (min)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
$HSO_3^- + aH_2O_2 \rightarrow S(VI)$
$HSO_3^- + aO_3 \rightarrow S(VI)$
$SO_3^{2-} + aO_3 \rightarrow S(VI)$
$SO_4^- + FE^{2+} \rightarrow S(VI)$
$HSO_3^- + HNO_4 \rightarrow S(VI)$
$SO_4^- + aH_2O \rightarrow S(VI)$
$HSO_5^- + HSO_3^- \rightarrow S(VI)$
$SULF \rightarrow HSO_4^-$