This Cluster provides insights into some of the most recent advances and aspects in the field of transformations catalyzed by organosulfur and organoselenium compounds. Enjoy eleven wonderful contributions by experts in this field!
Unusual kinetic behavior!

-0.5 order in substrate
-0.5 order in sulf. agent
1st order in catalyst

Rate unaffected by $R$

K. Robb  S. Athavale  S. Denmark

T. Hashimoto

M.-H. Xu

70–99% yield, up to 83% ee
A. Dinh  A. Nguyen  J. Gustafson

photocatalyst Na$_2$S$_2$O$_8$, base additive MeCN–H$_2$O blue LED, 12 h, r.t.

NH$_3$O + NH$_2$O

S. D. Minteer

L. Yu

Synlett

S. Kumar  S. Jana

Pocket

C$_2$-Symmetric Sulfur Based Chiral Catalyst for Bromolactonization

L. Yu

PhNH$_2$ + H$_2$O$_2$ (4-MeC$_6$H$_4$Se)$_2$ (cat.) aqueous HCl, 1 day

copolyaniline 82%