A mechanistic study of the effects of quinones on metal binding transcription factor

K.N. Houk

Using calculations to determine the mechanism of an unexpected reaction

2 CH$_3$SN$_3$ + heat temp. CH$_3$CH$_2$SN$_3$ + 2 NO

Homolysis (top) requires much more energy to run at room temp. Bimolecular reactions lower activation E.

Understanding the Mechanism of the Oxidative Damage of DNA

Jeremy McCallum (Foote Group)

Bimolecular Reactions Contributing to S-Nitrosothiol (RSNO) Stability

Patrick McCarron

Asymmetric Total Synthesis of Guanacastepene

Galen Grant

Mice can be slow to move, but if you have the time, you can see them in the lab.

The two proposed mechanisms by which genotoxicity occurs are through electrophilic attack on thiol containing compound or by the generation of reactive oxygen species.

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