

{M_xO_yH_z} Motifs and C-H Oxidations

Seminar

Monday,
December 2, 2024

3:00 – 4:00 p.m.

Beaupre Center,
Room 105

Alkane oxidations by molecules and materials with some combination of metal and oxygen atoms are legion. Our group has developed the chemistry of fluorinated alkoxide ligands on transition metals for C–H bond oxidations. By using only perfluorinated ligands, we can remove one vulnerability of the potential catalysts themselves, namely that of ligand C–H bond oxidation. The talk will include some published and unpublished data on stoichiometric and catalytic C–H bond oxidations.



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