VABILO NA PREDAVANJE
V OKVIRU DOKTORSKEGA ŠTUDIJA
KEMIJSKE ZNANOSTI

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z naslovom:

Improving Efficiency via Catalytic and Multicatalytic Reactions

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Vljudno vabljeni!
Abstract:

Oxidative addition and reductive elimination are two fundamental steps common to many different catalytic reactions. Insertion into C-X bonds is particularly prevalent as one of the first steps in a catalytic cycle.

We have been exploring the synthetic potential associated with reversible oxidative addition into carbon-halogen bond and recently developed a palladium catalyzed carboidination reaction.\(^1\) This lecture will describe the scope and limitations of the reaction including recent work that has expanded the scope.\(^2\)^\(^3\)

We have also been exploring the value of combining catalysts and substrates in a multicomponent multicatalyst strategy (MC)\(^\text{2R}.\)\(^4\) Recent advances will be presented.

C-H functionalization remains one of the most active areas of research.\(^5\) We will present our recent working in this field.

References