



Einladung zum Vortrag von

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Making olefin metathesis work: from basic discoveries to industrial applications

Ruthenium-catalyzed olefin metathesis reactions represent an attractive and powerful transformation for the formation of new carbon-carbon double bonds. This area is now quite familiar to most chemists as numerous air and moisture stable ruthenium catalysts are available that enable a plethora of olefin metathesis reactions. However, formation of substituted and crowded double bonds, decreasing the loading and then the trace amount of a catalyst in products, selectivity issues during self-CM and ethenolysis, etc. still remain a challenge, making industrial applications of this methodology difficult. These limitations can be solved by designing new, more selective and stable catalysts and catalysts that can be easier removed / recycled. New catalysts can even make a metathesis based macrocyclisation at high concentration possible for the first time. During the lecture a number of representative examples will be presented.

Montag, 28. Jänner 2019, 16:15 Uhr
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