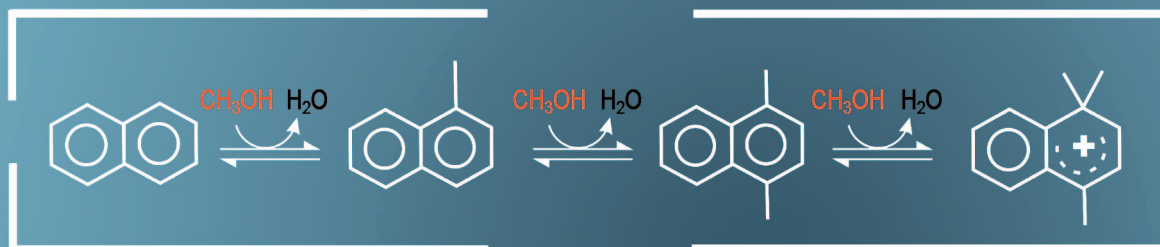
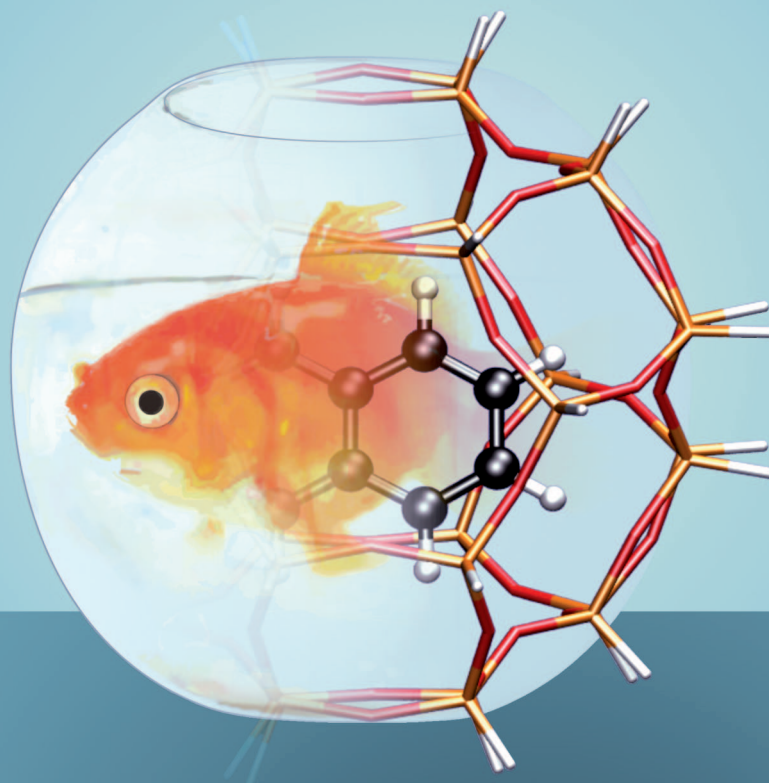


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Review: Catalytic Propargylic Substitution Reactions
(Y. Nishibayashi)

Full Paper: Mesoporous Silica Nanosphere-Supported Chiral
Ruthenium Catalysts (W. Lin)

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Cover Picture

Karen Hemelsoet*, Arno Nollet, Matthias Vandichel, David Lesthaeghe, Veronique Van Speybroeck*, and Michel Waroquier

The cover picture shows a goldfish trapped in too small a fishbowl. In a similar manner, bulky species confined within the pores of a zeolites may or may not have the potential to grow further. This theory is put to the test by Van Speybroeck et. al in their paper on page 373 ff., by determining ab initio rate coefficients of growth reactions involving bicyclic compounds within a chabazite-type zeolite. Owing to the severe space limitations, the importance of dispersive interactions is highlighted. The results exclude bicyclic compounds as active hydrocarbon pool species within the sidechain mechanism during the methanol-to-olefin process.

