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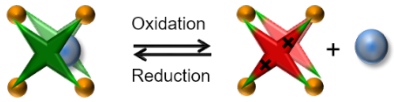
Redox-responsive self-assembled architectures

Abstract.



The metal-driven self-assembly methodology has allowed a straightforward access to a wide variety of discrete architectures, including molecular cages. The resulting cavities offer promising opportunities for applications in host-guest chemistry. In this context, we have focused our interest in the designing of electron-rich self-assembled discrete polygons/polyhedra. The seminar will be dedicated to this new class of metalla-cages, including the recent advances related to their ability to trigger the encapsulation/release process of a guest through a redox stimulus. Extension towards alternative conformationnally flexible redox-active architectures will be also depicted.