

HOUJOU LAB.

[Metallopolymer]

Department of Material and Environmental Science

http://www.iis.u-tokyo.ac.jp/~houjou/hjlab_wiki/

Department of
Chemistry and
Biotechnology

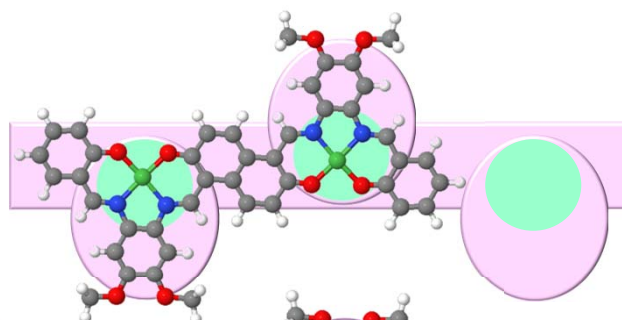
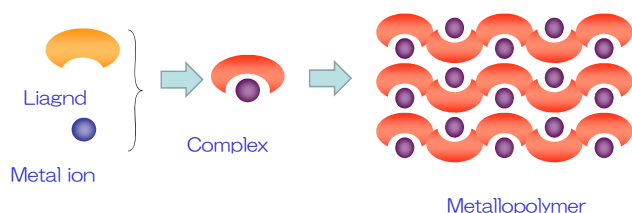
Molecular Integrated System Engineering

A New Hybrid Material

A new hybrid of organic materials and metals

Organic macromolecules and metals are respectively utilized as structural materials, electronic materials, and so on. Recently, with a growing interest in organic-inorganic hybrid materials, our lab is involved in metallopolymer, a kind of atomic-level hybrid material. We are developing metallopolymers composed of functional salen complexes, and investigating their optical and electronic properties. Based on the studies on structure-function relation, we hope to launch a new material with unknown properties.

Metallopolymer = Organic-inorganic atomic-level hybrid



Salen-type π -conjugated metallopolymer

