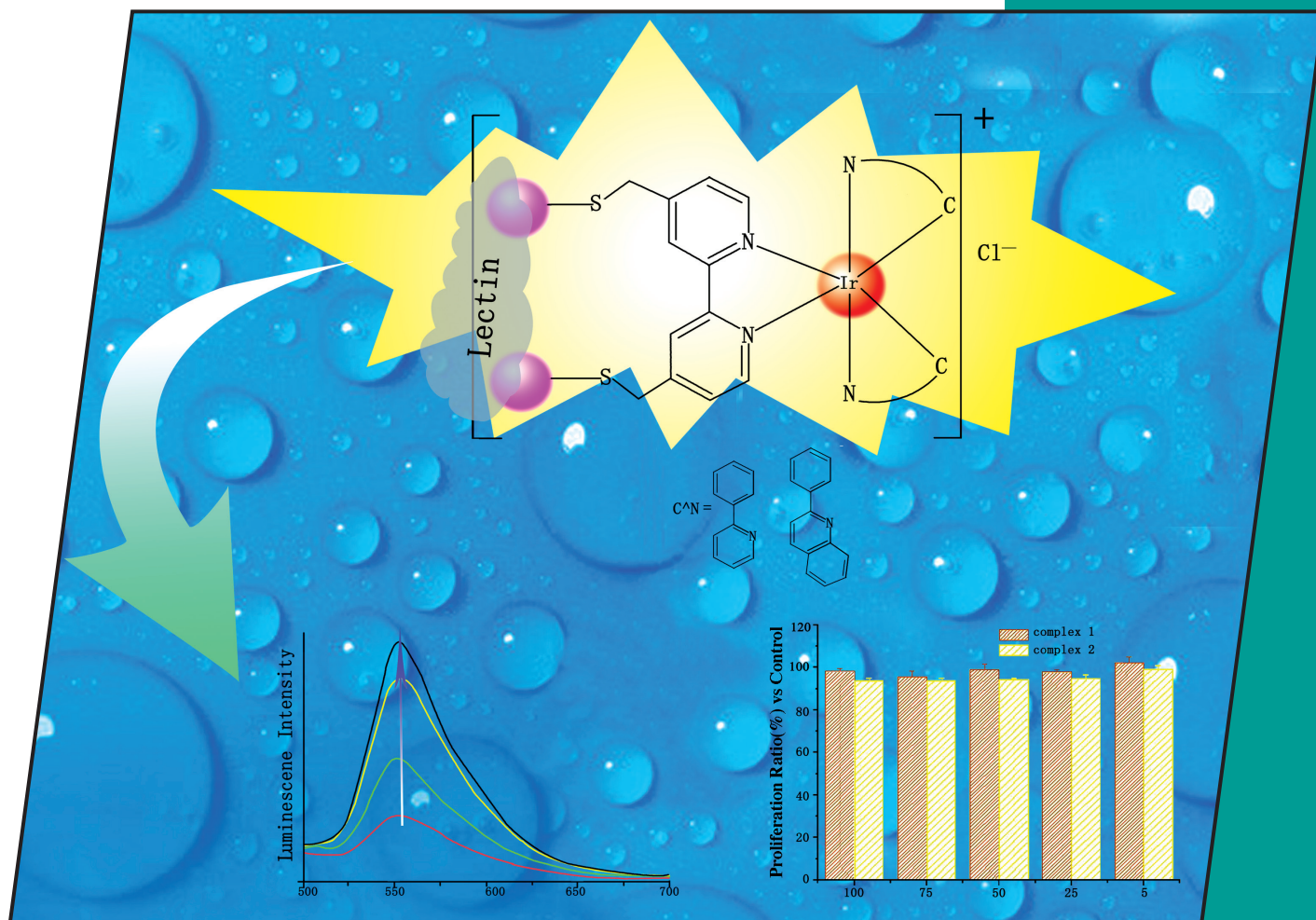


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Inorganic Chemistry



Cover Picture

Mei-Jin Li, Guo-Nan Chen et al.
Water-Soluble and Biocompatible Ir^{III} Complexes

Microreview

Kenji Nomiyama et al.
Chemistry of Group IV Metal Ion-Containing Polyoxometalates

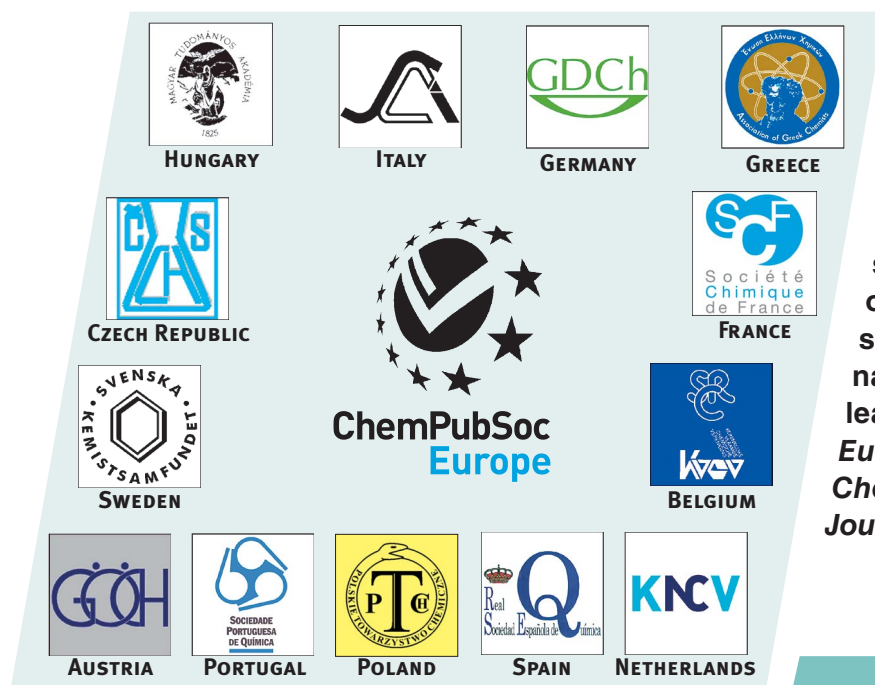
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COVER PICTURE

The cover picture shows the structures of two novel water-soluble cyclometalated iridium(III) complexes with good water solubility, high quantum efficiency and biocompatibility. Preliminary experiments of cell viability and sensing of lectin show that iridium(III) complexes with appended sugar groups provide advantages of reducing the toxicity and of improving the solubility in water, and open up the possibility of molecular targeting of carbohydrate-binding domains in cells and tissues. Details are discussed in the Short Communication by M.-J. Li, G.-N. Chen et al. on p. 197ff.

