

**Título:** METAL COMPLEXES OF POLYTOPIC HYDRAZONES. SYNTHESIS, CHARACTERIZATION AND PROPERTIES

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**Descriptores:**

> COMPUESTOS COORDINADOS

> CRISTALOGRAFIA

> PROPIEDADES DE MATERIALES

**El fichero de tesis** no ha sido incorporado al sistema.

**Resumen:** Six organic ligands based on bis-aryldiazine skeleton have been designed and synthesized. Their coordinative behaviour towards different metallic centres such as Cu(I), Cu(II), Co(II), Ni(II) and Zn(II) has been investigated. Special effort is done to obtain single-crystals in order to determine the crystal structure of the compounds and their supramolecular association and arrangement at the solid state. The properties of the compounds obtained depending on their intrinsic characteristics have been also investigated, such as, for example, luminescence and dynamism.