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Innovative Ligand Design for Tailored Coordination Chemistry and Catalytic Applications

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Abstract: The synthesis methodology involves the development of multifunctional ligands incorporating specific binding sites optimised for coordination with targeted metal centres. This abstract outlines the research focus, methodology, key findings, and implications related to ligand design and coordination chemistry, highlighting its importance in catalysis and material synthesis



Keywords: Ligand Design, Coordination Chemistry, Transition metal ions, Structural Characterization, Spectroscopic and Computational Techniques, Catalytic Efficiency and Selectivity, Synthetic Applications.

