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Chemical and electrochemical synthesis, structure and magnetic properties of mono- and binuclear 3d-metal complexes of N-[2-[(hydroxyalkylimino)methyl]phenyl]-4-methylbenzenesulfonamides

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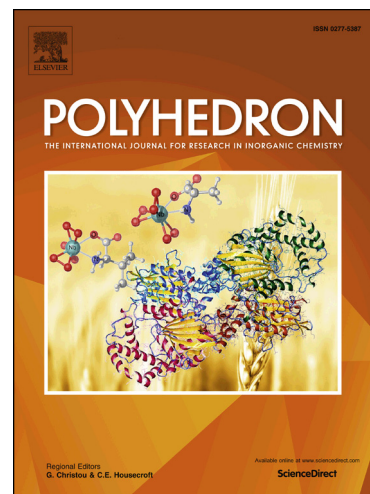
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Chemical and electrochemical synthesis, structure and magnetic properties of mono- and binuclear 3d-metal complexes of N-[2-[(hydroxyalkylimino)methyl]phenyl]-4-methylbenzenesulfonamides

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ABSTRACT

Complexes of Cu(II), Ni(II), Co(II) and Fe(II) ions with N-[2-[(hydroxyalkylimino)methyl]phenyl]-4-methylbenzenesulfonamides containing the (CH₂)_n-spacer of a variable length (n =2-6) were synthesized by chemical and electrochemical methods. All the compounds were characterized by C, H and N elemental analysis, IR, EPR and X-ray absorption spectroscopy data. The dimeric

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