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Pozitie didactica: Profesor doctor

Domenii de competenta: chimie coordinativa, magnetism molecular, chimie metalosupramoleculara

Cursuri predate: Chimei coordinativa

Lucrari publicate:

1. Polynuclear coordination compounds containing Fe(II) and Fe(III)
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2. Photochemical reactions of coordination compounds
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3. On Uspenski's rule regarding the *cis* - *trans* isomerism of coordination compounds
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5. Calculation of force constants for $[MCl_4]^{n-}$ complexes in the nuclear effective charge model
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6. Factorization of orbital energies in transition metal complexes. Factorization of the overlap integrals.
C. I. Lepadatu, **M. Andruh**, *Rev. Roum. Chim.*, **30**, 217 (1985).
7. Coordination compounds formation within the MCl_2 - $SnCl_2$ - 2,2'-bipyridine (M = Co, Ni) system
M. Brezeanu, **M. Andruh**, L. Patron, V. T. Popa, *Rev. Roum. Chim.*, **30**, 229 (1985).
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9. The position of 4,4'-bipyridine in the spectrochemical series for nickel(II) complexes.
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11. On the electronic spectra of nickel(II) polynuclear coordination compounds with pyridine and its derivatives
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12. Non-isothermal decomposition kinetics of a mononuclear coordination compound of iron(II).
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13. Angular Overlap Model calculations for the coordination compounds with macrocyclic ligands. I
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14. On the electronic structure of bis(isothiocyanato)tetrakis(4-benzoyl-pyridine)iron(II)
M. Andruh, G. Filoti, M. Brezeanu, *Rev. Roum. Chim.*, **33**, 673 (1988).
15. Oxidation of cumene with molecular oxygen in presence of Co(II) acetylacetonate
complexes heterogenized on silane modified silica
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16. Angular Overlap Model calculations for the coordination compounds with macrocyclic ligands. II
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18. Metal complexes with 4-benzoyl-pyridine. VI. New coordination compounds of copper(II) with
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19. Thermal behaviour of complex cation - complex anion type coordination compounds. Part I
M. Andruh, M. Brezeanu, I. Paraschivoiu, E. Segal, *Thermochim. Acta*, **161**, 247 (1990).
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21. Carbonic anhydrase inhibitors. I. Metal complexes of sulfonamides: A novel class of carbonic
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M. Brezeanu, E. Pincovschi, D. Marinescu, **M. Andruh**, *Rev. Roum. Chim.*, **35**, 535 (1990).
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38. Crystal structure and magnetic properties of $[\text{Ln}_2\text{Cu}_4]$ hexanuclear clusters (where Ln = trivalent lanthanide). Mechanism of the Gd(III)-Cu(II) magnetic interaction
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42. Adducts of bis(hexamethyldisilazanyl)manganese(II) with N-heterocyclic ligands: Syntheses and X-Ray structures
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