

## CONTENTS

### REVIEW ARTICLE

- 1 **Anthracenedione Analogues – Synthesis and Biological Activity** — Dzierzbicka K. and Kołodziejczyk A.M.

### INORGANIC CHEMISTRY

- 31 **Bond-Valence Approach to the Semicoordination in Seven-Coordinated Copper(II) Complexes with 4-Aminopyridine: Crystal and Molecular Structure of Bis(4-aminopyridine)di(acetato)(aqua)copper(II)** — Grobelny R., Valach F., Głowiak T. and Mroziński J.
- 37 **Synthesis and Magnetic Studies of Copper(II)–Lanthanide(III) Heterobinuclear Complexes Bridged by N,N'-Bis[3-(dimethylamino)propyl]oxamido** — Li Y.T., Yan C.W., Wu Z.Y. and Zhu C.Y.
- 47 **Ligand-Field Analysis of Low-Spin N,N'-Propylenebis(naphthyldiiminate)nickel(II) in Ethanol Solution** — Kurzak K., Gonciarz A. and Kuźniarska-Biernacka I.
- 57 **New Dinuclear Nonazadentate Schiff Base Podates of Rare Earth(III) Ions** — Patroniak V.

### ORGANIC CHEMISTRY

- 65 **Reversal of Diastereoselectivity of Mesitronitrile Oxide 1,3-Dipolar Cycloadditions with Penta-1,4-diene-3-ol by Mg(II)** — Mičúch P., Fišera L. and Cyrański M.K.
- 73 **Efficient Synthesis of Macrocyclic Dilactam Crown Ethers by Fast Addition Method** — Rahimizadeh M., Eshghi H., Rostami F. and Faghihi Z.
- 83 **Preparation of New Phenol-Based Acyclic Ligands with Double Set of Coordination Sites** — Ghaffarinia A. and Golchoubian H.
- 89 **Synthesis and Biological Activities of Novel 1,2,3,5-Tetrahydroimidazo[2,1-*b*]quinazoline Derivatives** — Kornicka A., Sączewski F., Petruszewicz J., Rejdych A., Tyacke R.J., Hudson A.L. and Nutt D.J.
- 101 **Octasilsesquioxanes as Hybrid Nanocomposite Platforms. II. Synthesis, Characterization and Properties of Some Alkyl-Functionalized Silsesquioxanes** — Dare E.O., Olatunji G.A. and Ogunniyi D.S.
- 109 **New Routes to Functionalized Polyhedral Oligomeric Silsesquioxanes *via* Friedel-Crafts Alkylation and Dichlorocarbene Addition to Octavinylsilsesquioxane** — Dare E.O., Olatunji G.A., Ogunniyi D.S. and Lasisi A.A.
- 115 **Transformation of *O*-Amidinylhydroxylamine into Benzothiazoles *via* Iminocarbonyl Sulfenamides** — Sączewski F., Kornicka A. and Gdaniec M.

### PHYSICAL CHEMISTRY

- 121 **Preparation, Characterization of MCM-49 and Catalytic Performance of Pd/MCM-49 Catalysts in One-Step Synthesis of MIBK from Acetone** — Yang P.P., Wang Z.L., Yu J.F., Xu M.P., Liu Q.S., Jing S.B. and Wu T.H.
- 129 **The Study of the Micropolarity of the Interfaces in Iridescent Solutions of Tetradecyldimethylaminooxoid** — Jakubowska A. and Dutkiewicz E.
- 135 **Regularities in Complex Asymptotic Oscillations in the Belousov-Zhabotinsky Reaction of Various Residence Times and Inflow Malonic Acid Concentration** — Rachwalska M. and Kawczyński A.L.
- 145 **The Characterization of Modified Higher Aliphatic Alcohols – Synthesis Catalysts by EPR and XPS methods** — Skrzypek D., Krupa K., Winiarski A. and Szymańska B.