

CONTENTS

Physical Chemistry

- Andriy KOSTRUBA, Yuriy STETSYSHYN, Rostyslav VLOKH, Sofija MAYEVSKA, Bogdan RACHIY, Rostyslav MUSIY, Aleksej ZARKOV, Aivaras KAREIVA.** Sensitivity and accuracy of new ellipsometric technique for the characterization of ultrathin films..... 177
- O. GIRČIENĖ, L. GUDAVIČIŪTĖ, A. MARTUŠIENĖ, A. SELSKIS, V. JASULAITIENĖ, R. RAMANAUSKAS.** Performance of bis-[triethoxysilylpropyl] tetrasulfide silane coatings for improved corrosion resistance of carbon steel..... 183
- Karolis PETRAUSKAS, Vaida ŽARŽOJŪTĖ, Artūras JUKNA, Svajus ASADAUSKAS.** Improvement of elastomer swelling measurement for sulfur cross-link density determination 193

Electrochemistry

- Arvydas SURVILA, Stasė KANAPECKAITĖ.** Electrochemical lability of glycine in acid media..... 202
- Dijana ŠIMKŪNAITĖ, Loreta TAMAŠAUSKAITĖ-TAMAŠIŪNAITĖ, Aldona BALČIŪNAITĖ, Aušrinė ZABIELAITĖ, Sigitas JANKAUSKAS, Algirdas SELSKIS.** Platinum/titania nanotube arrays as electrocatalysts for borohydride oxidation..... 206

Inorganic Chemistry

- Vitalijus JANICKIS, Neringa PETRAŠAUSKIENĖ.** Modification of polyamide films by semiconductive and conductive copper selenide–copper sulfide layers..... 214

Analytical Chemistry

- Inga BAŠKIROVA, Vilma OLŠAUSKAITĖ, Audrius PADARAUSKAS.** Influence of the mobile phase composition and pH on the chromatographic behaviour of polar neutral and ionized compounds in hydrophilic interaction chromatography 226
- Inga BAŠKIROVA, Giedrė RUŠĖNAITĖ, Vilma OLŠAUSKAITĖ, Audrius PADARAUSKAS.** Effect of sample solvents on the peak shape of small polar compounds in hydrophilic interaction chromatography 233

Chronicle

- 50 years spent at the Institute of Chemistry..... i