

YEAR
MONTH
ISSUE

Volume 58 (LVIII) 2013
SEPTEMBER
3

S T U D I A
UNIVERSITATIS BABEȘ-BOLYAI
CHEMIA
3

Desktop Editing Office: 51ST B.P. Hasdeu, Cluj-Napoca, Romania, Phone + 40 264-40.53.52

CUPRINS – CONTENT – SOMMAIRE – INHALT

ANA-MARIA CORMOS, ABEL SIMON, Dynamic Modeling of Carbonator from Calcium-Looping Process used for Carbon Capture	7
DANIELA CIOLOBOC, MARIANN-KINGA ARKOSI, RADU SILAGHI-DUMITRESCU, A New Protocol for Purifying Human Serum Albumin	19
PÉTER SIMON, KLÁRA PÁSZTOR-HUSZÁR, ISTVÁN DALMADI, GABRIELLA KISKÓ, LIVIA SIMON-SARKADI, Biogenic Amine Content in Cheese Produced with Different Selected Lactic Acid Bacterial Strains	25
FLAVIA POP, LIVIU GIURGIULESCU, ANCA DUMUȚA, ZORICA VOȘGAN, The Influence of Frozen Storage on Fatty Acids Composition for Alimentary Animal Fats	31
ALEXANDRU OKOS, AUREL POP, CÉLINE DARIE, PIERRE BORDET, High Pressure - High Temperature Synthesis and Phase Characterization of PbVO ₃ Perovskite Compound	39
GYULA TOLNAI, ISTVAN SAJO, EMIL HOLCZER, FIAMMETTA KORMOS, IRINA TARSICHE, DORIN MANCIULA, Sb/SnO ₂ Nanostructured Anticorrosive Coatings on Metals	45
ROXANA BOSTAN, SIMONA VARVARA, MARIA POPA, LIANA MARIA MURESAN, Evaluation of Phenothiazine as Environmentally Friendly Corrosion Inhibitor for Bronze in Synthetic Acid Rain	53

MIHAELA-DANIELA GAVRIL (DONOSE), UDO SCHMIDT, CONSTANTIN GHEORGHIES, ALINA-MIHAELA CANTARAGIU, ADRIANA ISPAS, ANDREAS BUND, Electrochemical Preparation of Co-Cu Alloy Nanowires and their Characterisation	63
FLORIN ALIN HANC-SCHERER, PETRU ILEA, Electrochemical Reduction of CO ₂ on lead Electrode. I. Cyclic Voltammetry and Long Time Electrosynthesis Studies	75
NABEEL E. ARIF, ROSLAN HASNI, The Connectivity Index of Pamam Dendrimers	85
SAEID ALIKHANI, CHANGIZ ESLAHCHI, MOHAMMAD ALI IRANMANESH, Harary Index of an Infinite Family of Dendrimer Nanostars	93
VIRGINIA BUCILA, MONICA STEFU, BEATA SZEFLER, Octahedral CNT Junctions as P-Type Networks	101
LUBANG WANG, MINGJUN HU, Omega and Sadhana Polynomials of Two Classes of Molecular Graphs	117
DOINA A. TODEA, SZENDE TONK, ANCUȚA E. TIUC, ANAMARIA TÖRÖK, CARMEN MÂNZATU, GABRIEL KATONA, CORNELIA MAJDIK, Efficient Degradation of Phenol with <i>Pseudomonas Putida</i> Cells for the Production of Pure Water	125
DOINA A. TODEA, SZENDE TONK, ANCUȚA E. TIUC, ANAMARIA TÖRÖK, CARMEN MÂNZATU, GABRIEL KATONA, CORNELIA MAJDIK, Continuous Flow Waste Water Purification with Immobilized Cells.....	135
GORAN V. JANJIĆ, MILOŠ K. MILČIĆ, VESNA B. MEDAKOVIĆ, Influence of Supramolecular Structure in the Crystals on Water / Aromatic Parallel Alignment Interactions.....	143
SZILÁGYI BOTOND, BARABÁS RÉKA, Continuous Precipitation: a Model Based Stability Analysis	155
ELENA PREDĂ, MANUELA MARIA MINCEA, COSMIN IONAȘCU, ALEXANDRU VALENTIN BOTEZ, VASILE OSTAFE, An Ultrahigh Performance Liquid Chromatography - Mass Spectrometry Method for the Analyses of Phenol Derivatives from Waters	167

Studia Universitatis Babes-Bolyai Chemia has been selected for coverage in Thomson Reuters products and custom information services. Beginning with V. 53 (1) 2008, this publication is indexed and abstracted in the following:

- Science Citation Index Expanded (also known as SciSearch®)
- Chemistry Citation Index®
- Journal Citation Reports/Science Edition