

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

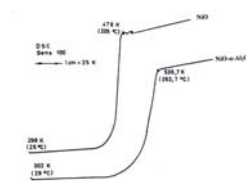
Tome 58, N° 1

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PAPERS

Ernő E. KISS and Goran C. BOSKOVIC

Influence of the alumina origin on the reducibility of NiO catalyst

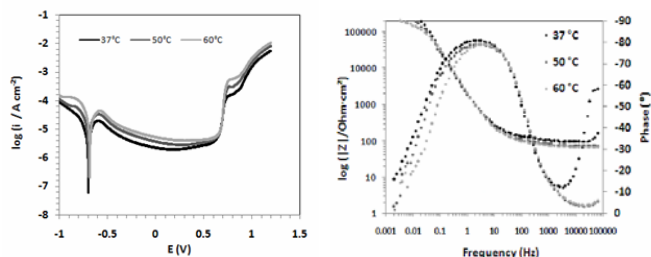


Rev. Roum. Chim., 2013, 58(1), 3-9

Key words: nickel oxide, catalyst, alumina, interaction, reducibility.

Manuela ROMAȘ, Daniel MARECI,
Silvia CURTEANU and Daniel SUTIMAN

Influence of caffeine on the passivity of cobalt-chromium-molybdenum alloy in artificial saliva

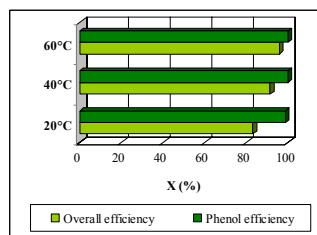


Rev. Roum. Chim., 2013, 58(1), 11-17

Key words: CoCrMo alloys, caffeine, corrosion inhibition, polarization curves, EIS.

Silvia BURCĂ, Maria STANCA,
Cerasella INDOLEAN, Cornelia MAJDIK and
Andrada MĂICĂNEANU

Fe-Zn-ZVT catalyst used in advanced oxidation processes of organic pollutants from wastewaters

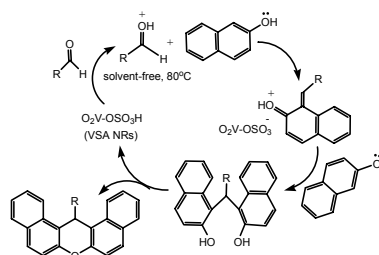


Rev. Roum. Chim., 2013, 58(1), 19-26

Key words: organic pollutants, phenol, heterogeneous Fenton, Fe-Zn-ZVT catalyst.

Masoud NASR-ESFAHANI and
Tooba ABDIZADEH

Preparation, characterization and use of vanadatesulfuric acid as a new and eco-benign nanocatalyst for the synthesis of 14-aryl-14H-dibenzo[*a,j*] xanthenes under solvent-free conditions

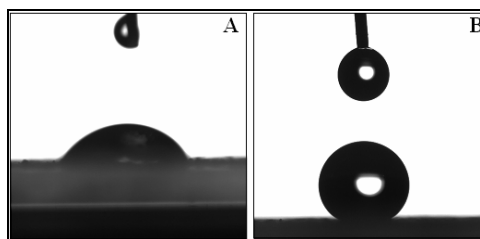


Rev. Roum. Chim., 2013, 58(1), 27-35

Key words: nanorod vanadatesulfuric acid, 14-aryl-14H-dibenzo[*a,j*] xanthenes, solvent-free.

**Violeta PURCAR, Dan DONESCU,
Ilie Catalin SPATARU, Marius GHIUREA,
Simona CAPRARESCU, Cristian PETCU and
Cristina Lavinia NISTOR**

Surface modification of sol-gel hybrid films using fluorinated silica nanoparticles

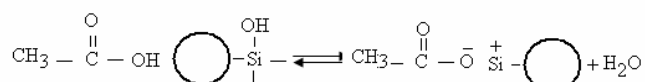


Key words: sol-gel process, fluorinated silica nanoparticles, water contact angle, morphology, FTIR.

Rev. Roum. Chim., 2013, 58(1), 37-42

Samadani Langeroodi NARGES

Study of the adsorption of acetic acid on silica gel in aqueous solution

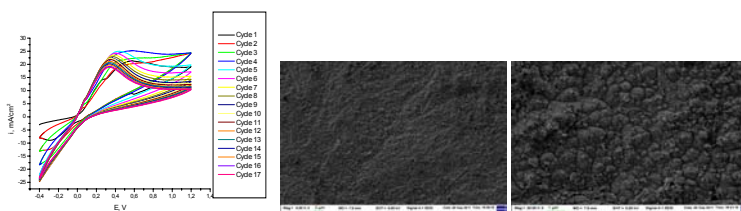


Key words: silica gel, adsorption isotherms, thermodynamics, kinetics.

Rev. Roum. Chim., 2013, 58(1), 43-48

**Florina BRĂNZOI, Viorel BRĂNZOI and
Zoia PAHOM**

Monolayer and bilayer conducting polymer coatings for corrosion protection of copper in 0.5 M H₂SO₄ solutions

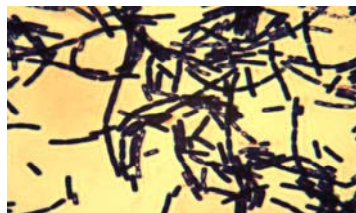


Key words: conducting polymer, corrosion protection, copper, electropolymerization, coatings.

Rev. Roum. Chim., 2013, 58(1), 49-58

**Iuliana RAUT, Mariana CALIN,
Florin OANCEA, Melania Liliana ARSENE and
Luiza JECU**

Isolation and identification of microbial strains involved in industrial systems materials corrosion in aquatic environment



Key words: microbial induced or influenced corrosion, MIC, microorganism, biofilm, bacteria.

Rev. Roum. Chim., 2013, 58(1), 59-64

NOTE

Zsigmond PAPP and Ildikó KOVÁCS

Surface analysis of a modern silver coin: SEM/EDS measurements



Key words: scanning electron microscopy, energy dispersive spectrometry, surface analysis, microchemistry, silver coin.

Rev. Roum. Chim., 2013, 58(1), 65-67