



ELSEVIER

Thermochimica Acta 285 (1996) 397–398

thermochimica  
acta

## Volume contents

(Abstracted/Indexed in: *Curr. Contents: Phys., Chem. Earth Sci.; Eng., Technol. Appl. Sci., Chem. Abstr., PASCAL/CNRS*)

### REGULAR PAPERS

#### *Thermodynamics and Calorimetry*

- Geminale Substituenteneffekte. Teil 13<sup>1</sup>. Standardbildungsenthalpien von alkylsubstituierten  $\alpha$ -Amino-carbonsäureestern  
S.P. Verevkin, S. Züfle, H.-D. Beckhaus and C. Rüdhardt (Freiburg, Germany) ..... 1
- A new flow calorimeter designed for operation to 450°C and 50 MPa  
X. Chen, J.L. Oscarson, H. Cao, S.E. Gillespie and R.M. Izatt (Utah, USA) ..... 11
- Heat capacity and thermodynamic properties of Cr<sub>2</sub>As from 5 to 1000 K  
E.F. Westrum, Jr, J. Sipowska (Michigan, USA) F. Grønvold and S. Stølen (Oslo, Norway) ..... 25

#### *Thermal Analysis*

- Effect of mineral matter on the burning profile of lignites  
Çiğdem Şentorun, S. Küçükbayrak (Istanbul, Turkey) ..... 35
- Kinetic studies on the thermal dehydration of 4-aminopyridinium (1,2-dithiooxalato-S,S')metalate(II) dihydrate complexes (M = Ni, Pd and Pt)  
P. Román, J.I. Beitia, A. Luque, C. Guzmán-Miralles (Bilbao, Spain) ..... 47
- Thermogravimetry. Analysis of the parameters of the DTG maximum  
Î. Agherghinei (Iaşi, Romania) ..... 57
- Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation  
Y.-S. Duh, C.-C. Hsu, C.-S. Kao and S.W. Yu (Taiwan, ROC) ..... 67
- The thermal dissociation of basic aluminium-potassium sulphate in an atmosphere of hydrogen and carbon monoxide  
B. Pacewska (Plock, Poland) ..... 81
- Dilatometric determination of phase transition temperatures and oxidation temperatures on the compounds SrMnO<sub>3-y</sub> and Sr<sub>2</sub>MnO<sub>4-y</sub>  
R. Kriege and N. Preuß (Jena, Germany) ..... 91
- Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state  
D. Das, A. Ghosh, S. Koner and N. Ray Chaudhuri (Calcutta, India) ..... 99
- A study of the thermal decomposition of biguanidinium diperchlorate using thermogravimetry and mass spectroscopy  
D. Dollimore, A. Martin and A.A. Pinkerton (Toledo, USA) ..... 109
- Thermal decomposition kinetics of naphthoquinoneoxime and its complexes with iron(III), silver(I) and lead(II)  
A.M. Summan (Makkah, Saudi Arabia) ..... 119
- Modifications induced on water-matrix interactions and on ATPase, Na,K-dependent activity in ouabain-treated cerebella of mice  
R. Curini, M.L. Antonelli, E.M. Pennisi, L. Calandriello, G. D'Ascenzo, S.D. Angelis Curtis and G. Palladini (Rome, Italy) ..... 127

Miscibility and phase separation study of blends of random copolymers of poly[ <i>ortho</i> ( <i>para</i> )-fluorostyrene-co- <i>ortho</i> ( <i>para</i> )-bromostyrene] with phenylsulphonylated poly(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods R. Vuković, G. Bogdanić, A. Erceg, D. Fleš (Savska, Croatia), F.E. Karasz and W.J. MacKnight (Amherst, USA) .....	141
Thermodynamic characterization of segmented polyurethanes V.P. Privalko, V.P. Azarenkov, A.V. Baibak and A.A. Usenko (Kiev, Ukraine) .....	155
<i>Other</i>	
Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (VI)-oxygen species M.I. Zaki (Safat, Kuwait) N.E. Fouad (El-Minia, Egypt) G.C. Bond, S.F. Tahir (Uxbridge, UK) .	167
NOTES	
<i>Other</i>	
Kinetics of action of Schiff bases on <i>Aerobacter aerogenes</i> as studied by microcalorimetry F. Ying, Liu Yi, X. Changli, Qu Songsheng, L. Zhifeng, S. Haoyu, D. Maosheng, Z. Xiangcai (Wuhan, China) .....	181