

Bibliography Section

- ADAMKOVICOVA, K., KOSA, L., NERAD, I., STRECKO, J., PROKS, I. (Slovak Acad. Sci., Inst. Inorgan. Chem., CS-84236 Bratislava, Slovakia) Isolethic enthalpies of heating in the systems $\text{CaO-SiO}_2\text{-2CaO-Al}_2\text{O}_3\text{-SiO}_2$, $\text{CaO-SiO}_2\text{-CaO-Al}_2\text{O}_3\text{-2SiO}_2$ and $2\text{CaO-Al}_2\text{O}_3\text{-SiO}_2\text{-CaO-Al}_2\text{O}_3\text{-2SiO}_2$ **Thermochim. Acta** **235** (1994) 17
- AFZAL, M., MAHMOOD, F., KARIM, S. (Quaid I. Azam Univ., Dept. Chem., Islamabad, Pakistan) A study of metals supported on active carbon with a temperature programmed reduction (TPR) technique **J. Thermal Anal.** **41** (1994) 1119
- AHMAD, M. B., HUGLIN, M. B. (Univ. Salford, Dept. Chem. & Appl. Chem., Salford M5 4WT, Lancs, England) DSC studies on states of water in crosslinked poly(methyl methacrylate-co-N-vinyl-2-pyrrolidone) hydrogels **Polym. Int.** **33** (1994) 273
- ALEMAN, H., LIELMEZS, J. (Univ. British Columbia, Dept. Chem. Engn., Vancouver V6T 1Z4, BC, Canada) Ideal gas state thermodynamic functions for perfluoro-2-azapropene ($\text{CF}_3\text{-N=CF}_2$) **Thermochim. Acta** **235** (1994) 277
- ALGURASHI, M. A. M., ELAHMADI, A. A. B., KATIB, S. M. A., ELSALAAM, K. M. A. (Umm Al oura Univ., Fac. Appl. Sci., Dept. Chem., POB 3711, Mecca, Saudi Arabia) Thermal decomposition of nicotinate complexes of cobalt and nickel in dynamic nitrogen atmosphere **J. Thermal Anal.** **41** (1994) 859
- AWAD, A. H. (Univ. Bath, Coll. Educ., Dept. Phys., Bath BA2 7AY, Avon, England) Low temperatures lattice thermal conductivity of non-crystalline polymers-application to polycarbonate **J. Thermal Anal.** **41** (1994) 1031
- AYED, F., SORRENTINO, F., CASTANER, R. (CNRS, CTR Thermodynam. & Microcalorimetric, Rue 141 Ria, F-13003 Marseille, France) Dissolution calorimetry of formation of calcium silicates, aluminates and alumina silicates **J. Thermal Anal.** **41** (1994) 755
- BAGUENNE, M., BELLAGI, A. (Ecole Natl. Ingenieurs Gabes, 6029 Gabes, Tunisia) Experimental and theoretical analysis of the transport mechanisms during drying of grains of phosphate fertilizer in a fixed bed **Thermochim. Acta** **235** (1994) 81
- BALAZ, P., BALASSAOVA, M. (Slovak Acad. Sci., Inst. Geotech., CS-04353 Kosice, Slovakia) Thermal decomposition of mechanically activated arsenopyrite **J. Thermal Anal.** **41** (1994) 1101
- BALLIVETTKATCHENKO, D., DELAHAY, G. (Univ. Paul Sabatier, CNRS, UPR 8241, Chim. Coordinat. Lab., 205 Route Narbonne, F-31077 Toulouse, France) Hydrogen temperature programmed reduction based on water analysis-application to vanadium pentoxide **J. Thermal Anal.** **41** (1994) 1141

- BARBIERI, R., S., ROCHA, J. C., DASILVA, E. G. (Univ. Fed. Vicosa, Dept. Quim., BR-36570000 Vicosa, MG, Brazil) Thermal analysis of coordination compounds. 1. The modecomposition of nickel (II) triphenylphosphine complexes with halides nitrate, and thiocyanate *Thermochim. Acta* 235 (1994) 285
- BARRIO, M., FONT, J., LOPEZ, D. O., MUNTASELL, J., TAMARIT, J. L. (Univ. Politcn. Catalunya, Dept. Fis. & Engn. Nucl. Diagonal 647, E-08028 Barcelona, Spain) Glassy state in 2-amino-2-methyl-1,3-propanediol plastic crystal *J. Thermal Anal.* 41 (1994) 1171
- BEKER, U. G., RECEPOGLU, O., BULUTCU, N. (Istanbul Tech. Univ., Fac. Chem. & Met. Engn., 80626 Maslak, Turkey) Identification of the thermal decomposition behaviour of ammonium pentaborate *Thermochim. Acta* 235 (1994) 211
- BOLLER, A., JIN, Y., CHENG, J., WUNDERLICH, B. (Univ. Tennessee, Dept. Chem. Knoxville, TN, 37996, USA) Analysis of the thermal properties and motion in crystalline trans-1,4-poly(butadiene) *Thermochim. Acta* 234 (1994) 95
- BOOM, R. M., VANDENBOOMGAARD, T., SMOLDERS, C. A. (Unilever Res. Labs., POB 114, 3130 AC Vlaardingen, Netherlands) Equilibrium thermodynamics of a quaternary membrane-forming system with 2 polymers. 1. Calculations *Macromolecules* 27 (1994) 2034
- BROWN, M. E., GALWEY, A. K., MOHAMED, M. A., TANAKA, H. (Queens Univ. Belfast, Sch. Chem., Belfast BT9 5AG, Antrim, North Ireland) A mechanism for the thermal decomposition of potassium permanganate crystals based on nucleation and growth *Thermochim. Acta* 235 (1994) 255
- BRZYSKA, W., OZGA, W. (Marie Curie Sklodowska Univ., Dept. Inorgan & Gen. Chem., Pl-20031 Lublin, Poland) Thermal decomposition of rare earth element enanthates *J. Thermal Anal.* 41 (1994) 849
- BRUNI, C., PRACELLA, M., MASI, F., MENCONI, F., CIARDELLI, F. (CNR, CTR Studi Proc. Polimerizzaz, Dipartimento Ingn., Chim., I-56100 Pisa, Italy) DSC analysis of ethylene/1-butene copolymers obtained with different ziegler-natta catalysts *Polym. Int.* 33 (1994) 279
- BUENO, I., PARADA, C. (UCM, Fac. Chem., Sci., Dept. Inorgan. Chem., E-28040 Madrid, Spain) A study of the thermal decomposition of some lanthanon hydroxy chromates $\text{Ln}(\text{OH})\text{CrO}_4$ (where Ln is La, Pr, Nd) *Thermochim. Acta* 235 (1994) 205
- BUJDAK, J., SLOSIARIKOVA, H. (Comenius Univ. Bratislava, Fac. Nat. Sci., Dept. Inorgan. Chem., CS-84215 Bratislava, Slovakia) Dehydration and dehydroxylation of reduced charge montmorillonite *J. Thermal Anal.* 41 (1994) 825
- CANNON, J. C., ZHANG, Y. C. (Puritan Bennett Corp., 10800 Pflumm RD, Lenexa, KS, 66215, USA) Catalytic decomposition of potassium chlorate *J. Thermal Anal.* 41 (1994) 981
- CHOU, K. S., HWANG, M. J., SHU, M. Y. (Natl. Tsing Hua Univ., Dept. Chem. Engn., Hsinchu 30043, Taiwan) Experiment and modeling on the evaporation of β -diketonates of copper, yttrium and barium *Thermochim. Acta* 233 (1994) 141
- COLOVIC, N., ANTONIJEVIC, M., MILIC, S. (Univ. Belgrade, Tech. Fac. Bor, YU-19210 Bor, Yugoslavia) Investigation of the kinetics of the reactions between sodium carbonate and oxides of transition metals *Thermochim. Acta* 233 (1994) 113
- DAHMANI, O., AITKACI, A., JOSE, J. (Univ. Sci. & Technol. Houari Boumediene, Inst. Chim., Thermodynam. Melanges Organ. Lab., BP 139, Algiers, Algeria) Diagram of liquid-solid equilib-

- rium of binari pyridine plus N-alkalines systems (in French) *J. Thermal Anal.* **41** (1994) 833
- DASH, U. N., SAHU, R. (Utkal Univ., Dept. Chem., Bhubaneswar 751004, Orissa, India) The thermodynamics of a silver silver ion electrode in dioxan-water and mannitol water systems at different temperatures *Thermochim. Acta* **235** (1994) 117
- DUBLER, E., HANGGI, G. (Univ. Zurich., Inst. Inorgan. Chem., Winterthurerstr. 190., CH-8057 Zurich, Switzerland) Thermal degradation and crystallographic data of metal complexes of oxopurines and thiopurines *Thermochim. Acta* **234** (1994) 201
- ELDER, J. P. (Merck & Co Inc., POB 100, White House Stn., NJ, 08889, USA) Thermophysical characterization studies of pharmaceutical hydrates *Thermochim. Acta* **234** (1994) 153
- FERNANDES, E. G., GIOLITO, I., CHIELINI, E. (Univ. Pisa, Dipartimento Chim. & Chim. Ind., Via Risorgimento 35, I-56100 Pisa, Italy) Blends of polyolefins and semi flexible liquid crystalline polyesters. 1. Thermogravimetric analysis *Thermochim. Acta* **235** (1994) 67
- FRANKE, R., HEIDE, K. (Friedrich Schiller Univ. Jena, Inst. Glaschem, Fraunhoferstr. 6., W-6900 Jena, Germany) Some aspects concerning the influence of sampling procedure on the results of gas extraction experiments *Thermochim. Acta* **234** (1994) 263
- FRIEDRICH, G., FINK, H., SEIFERT, H. J. (Univ. Gh. Kassel, FB 19, Heinrich Plett Str. 40., D-34109 Kassel, Germany) Thermochemical investigations on chloroelpasolites of lanthanum *Thermochim. Acta* **234** (1994) 287
- GALWEY, A. K., LYLE, S. A., MANSOUR, S. A. A. (Queens Univ. Belfast, Sch. Chem., Belfast BT9 5AG, Antrim, North Ireland) A kinetic and mechanistic study of the thermal decomposition of rubidium permanganate *Thermochim. Acta* **235** (1994) 239
- GAST, T. (Tech. Univ. Berlin, Inst. Mess. & Regelungstech., Bergstr. 1-1., D-14109 Berlin, Germany) Examples of the development of balances for physicochemical measurements in controlled atmospheres (in German) *Thermochim. Acta* **234** (1994) 1
- GAVRILOVA, G. V., KONYUKHOV, M. Y., LOGVINENKO, V. A., SEDOVA, G. N. (Russian Acad. Sci., Inst. Inorgan. Chem., Dept. Siberian, Novosibirsk, Russia) Study of the thermal decomposition kinetics of some rare earth carbonates, fluorocarbonates and fluorooxalates *J. Thermal Anal.* **41** (1994) 889
- GHADIR, M., ZIMONYI, E., NAGY, J. (Tech. Univ. Budapest, Dept. Inorgan. Chem., H-1521 Budapest, Hungary) Thermal investigation of silicone rubber containing imide-siloxane copolymers *J. Thermal Anal.* **41** (1994) 1019
- GIOVANOLI, R. (Univ. Bern, Inst. Inorgan. Chem., Electron Microscopy Lab., POB 906, CH-3000 Bern 9, Switzerland) Thermogravimetry of manganese dioxides *Thermochim. Acta* **234** (1994) 303
- GODDARD, R. J., GRADY, B. P., COOPER, S. L. (Univ. Delaware, Coll. Engn., Newark, DE, 19716, USA) The room temperature annealing peak in ionomers-ionic crystallites or water absorption *Macromolecules* **27** (1994) 1710
- GORALSKI, P. (Univ. Lodz, Dept. Phys. Chem., Pomorska 18., PL-91416 Lodz, Poland) Hydrogen bonds between cholesterol and nitrogen bases - a thermodynamic study *Thermochim. Acta* **235** (1994) 31
- GUNTER, J. R., XU, X. L. (Univ. Zurich, Inst. Inorgan. Chem., Winterthurerstr. 190., CH-8057 Zurich, Switzerland) The

- thermogravimetric analysis of Sh-W bronzes *Thermochim. Acta* **234** (1994) 297
- GYORYOVA, K., BALEK, V., ZELENAK, V. (P. J. Safarik Univ., Dept. Inorgan. Chem., Moyzesova 11., CS-04154 Kosice, Slovakia) Thermal stability of zinc formate complex compounds containing urea, thiourea and caffeine *Thermochim. Acta* **234** (1994) 221
- HAKVOORT, G. (Delft Univ. Technol., Dept. Chem., Julianalaan 136., 2628 BI. Delft, Netherlands) TG measurement of gas-solid reactions – the effect of the shape of the crucible on the measured rate *Thermochim. Acta* **233** (1994) 63
- HENSCHKE, B., SCHUBERT, H., BLOCKER, J., ATOMNY, F., SCHLOGL, R. (Univ. Frankfurt, Inst. Anorgan. Chem., Marie Curie Str. 11., D-60439 Frankfurt, Germany) Mechanistic Aspects of the reaction between carbon and oxygen *Thermochim. Acta* **234** (1994) 53
- HORN, J., SEMMELHACK, H. C., BORNER, H., SCHLENKRICH, F. (Univ. Leipzig, Fachbereich Phys, Linne Str. 5., D-04103 Leipzig, Germany) $\text{Ba}_2\text{Cu}_3\text{O}_5 + \delta$ as an intermediate phase during the synthesis of $\text{YBa}_2\text{Cu}_4\text{O}_8$ *J. Thermal Anal.* **41** (1994) 995
- HORROCKS, A., R., ZHANG, J., HALL, M. E. (Bolton Inst., Sch. Text. Studies, Deane RD., Bolton BL3 5AB, England) Flammability of polyacrylonitrile and its copolymers. 2. Thermal behaviour and mechanism of degradation *Polym. Int.* **33** (1994) 303
- HORSÁK, I., SESTÁK, J., STEPÁNEK, B. (Czechoslovak Acad Sci, Inst. Phys., Cukrovárnická 10., CS-16200 Prague 6, Czech Republik) Simple computer program used for the calculation of stable and metastable phase boundary lines for the pseudobinary edges in the $\text{BaO}-\text{CuO}_x-\text{YO}$ 1.5 system *Thermochim. Acta* **234** (1994) 233
- HOUSAINDOKHT, M. R., MOOSAVI-MOVAHEDI, A. A. (Univ. Tehran, Inst. Biochem. & Biophys, POB 13145-1384, Tehran, Iran) Thermodynamic denaturation of glucose oxidase in aqueous dodecyl trimethyl ammonium bromide solution between 25% C and 65% C *Thermochim. Acta* **235** (1994) 189
- ISHIHARA, Y., TAKANO, J., MASHIMO, S., YAMAMURA, M. (Tokai Univ., Sch. Sci., 1117 Kaname, Hiratsuka, Kanagawa 25912, Japan) Determination of the water necessary for survival of bacillus/subtilis vegetative cells and spores *Thermochim. Acta* **235** (1994) 153
- JASIM, F., ISSA, T. T. (Univ. Baghdad, Coll. Sci., Dept. Chem., Baghdad, Iraq) Simultaneous thermoanalytical investigations of $(\text{C}_6\text{H}_5)_4\text{AsCl}$ and $(\text{C}_6\text{H}_5)_4\text{PCl}$ under air and argon atmospheres *J. Thermal Anal.* **41** (1994) 1177
- JIN, Y., BOLLER, A., WUNDERLICH, B., LEBEDEV, B. V. (Univ. Tennessee, Dept. Chem., Knoxville, TN, 37996, USA) Heat capacities and transitions in n-perfluoroalkanes and poly(tetrafluoroethylene) *Thermochim. Acta* **234** (1994) 103
- KATIME, I. A., MADDOZ, A., VELADA, J. L. (Avda Basagoiti 8-1C, Vizcaya, Spain) The kinetics of bulk polymerization of itaconic acid derivatives. 3. Mono-2-diphenyl and mono-4-diphenyl itaconates *Thermochim. Acta* **233** (1994) 25
- KHAN, Y. (Ruhr Univ., Inst. Werkstoffe Elektrotech., W-4630 Bochum 1, Germany) Stabilization and crystallization behaviour of the amorphous $\text{Bi}_{0.96}\text{Pb}_{0.24}\text{SrCaCu}_{1.6}\text{O}_{5+x}$ high temperature superconductor material *J. Thermal Anal.* **41** (1994) 945
- KIMURA, K., MEURER, D. L., HUTZER, R. F., FITCH, J. W., CASSIDY, P. E.

- (SW Texas State Univ., Dept. Chem., Polymer Res. GRP, San Marcos, TX, 78666, USA) Synthesis and characterization of thermotropic poly(benzobisthiazole)s *Macromolecules* **27** (1994) 1303
- KOLSCH, P., PITSCH, I., SCHULTZE, D., HEIDEMANN, D., HOEBBEL, D. (Inst. Angew. Chem., D-12489 Berlin, Germany) Characterization of organosilicic acid polymers by thermoanalysis (in German) *J. Thermal Anal.* **41** (1994) 789
- KOPSCHE, H. (Techn. Univ. Clausthal, Inst. Chem. Technol. & Brennstofftech., Erzstr. 18., D-38678 Clausthal Zellerf, Germany) On the thermal behavior of petroleum asphaltene *Thermochim. Acta* **235** (1994) 271
- KOSTOV, G., BOGDANOV, B., NIKOLOV, A. (Bourgas Univ. Technol., BU-8010 Burgas, Bulgaria) Melting and crystallization of tetrafluoroethylene-ethylene copolymers *J. Thermal Anal.* **41** (1994) 925
- KSIAZCZAK, A., KSIAZCZAK, T. (Warsaw Univ. Technol., Dept. Phys., PL-0064 Warsaw, Poland) Thermal stability of some pesticides at the melting temperature *J. Thermal Anal.* **41** (1994) 1153
- KUSTERS, E., MAK, C. P., HILDEBRANDT, B., MUTZ, B. (Sandoz Pharma Ltd., Chem. Proc. Res. & Dev., CH-4002 Basel, Switzerland) Thermal transformation of a chiral, non-racemic epoxide into a conglomerate - a case study *J. Thermal Anal.* **41** (1994) 1183
- LAMPRECHT, I. (Free Univ. Berlin., Inst. Biophys., Thielallee 63., D-14195 Berlin 33, Germany) Calorimetric investigation around a royal hieroglyph *Thermochim. Acta* **234** (1994) 179
- LANGFELDEROVA, H. (Slovak Tech. Univ., Dept. Inorgan. Chem., CS-81237 Bratislava, Slovakia) Thermal behavior of hydrated copper(II) complexes-correlation of dehydration steps with structural properties *J. Thermal Anal.* **41** (1994) 955
- LAROSA, C., MILARDI, D., FASONE, S., GRASSO, D. (Univ. Catania, Dipartimento Sci., Chim., Viale A Doria 8, I-95125 Catania, Italy) A combined scanning dilatometric and differential scanning calorimetric study of the thermal unfolding of bovine serum albumin *Thermochim. Acta* **235** (1994) 231
- LEGROURI, A., LENZI, J., LENZI, M. (Univ. Cadi Ayyad, Fac. Sci., Chim. Phys. Lab., BP S15, Marrakech, 40001, Morocco) Preparation and thermal properties of a series of mixed calcium-cobalt phosphates *J. Thermal Anal.* **41** (1994) 1041
- LIU, T. M., HARRISON, I. R. (Penn State Univ., Polymer Sci. Program, Univ. PK, PA, 16802, USA) A DSC method of measuring shortchain branching distribution in linear low density polyethylene *Thermochim. Acta* **233** (1994) 167
- LOWEN, B., SCHULZ, S., SEIPPEL, J. (Univ. Dortmund, Lehrstuhl Thermodynam., D-44221 Dortmund, Germany) Heat capacity measurement by calibration with dynamic correction of the calorimetric output signal of a thermopile heat conduction calorimeter *Thermochim. Acta* **235** (1994) 147
- MACIEJEWSKI, M., OSWALD, H. R., RELLER, A. (Swiss Fed. Inst. Technol., Eth. Zentrum, Dept. Chem. Engn. & Ind. Chem., CH-8092 Zurich, Switzerland) Thermal transformations of vaterite and calcite *Thermochim. Acta* **234** (1994) 315
- MALECKI, A., PROCHOWSKAKLISCH, B. (Univ. Min. & Met. Krakow, Dept. Mat. Sci. & Ceram., Krakow, Poland) The influence of oxygen pressure on the kinetics of the thermal decomposition of Co_3O_4 *J. Thermal Anal.* **41** (1994) 1109
- MANEVA, M., KOLEVA, V. (Sofia Technol. Univ., Dept. Inorgan. Chem., 8 Kli-

- ment Ohridski Blvd, Sofia, Bulgaria) Thermal and calorimetric investigations of $M(\text{IO}_3)_2 \cdot 2\text{H}_2\text{O}$ for $M^{2+} = \text{Ni}^{2+}$ and Zn^{2+} and their deuterated analogues **J. Thermal Anal.** **41** (1994) 817
- MARKOVA, K. I., RUSTSCHEV, D. (St. Kliment Ohridski Univ. Sofia, GGF, 15 Izar Osvodobitel Blvd, BU-1000 Sofia, Bulgaria) The application of thermal analysis to the study of ignition process of solid fuels **Thermochim. Acta** **234** (1994) 85
- MARKOVIC, M. M., MILONJIC, S. K. (Inst. Nucl. Sci. Vinca, Chem. Dynam. Lab., POB 522, YU-11001, Belgrade, Yugoslavia) The heat of mixing of sodium carbonate and sodium bicarbonate aqueous solutions and its temperature dependence **Thermochim. Acta** **235** (1994) 39
- MARTA, L., ZAHARESCU, M., HAIDUC, I. (Tech. Univ. Cluj Napoca, Dept. Mat. Sci., Chem. Lab., Cluj Napoca, Romania) Synthesis of calcium metaniobate by thermal decomposition of a coprecipitation product **J. Thermal Anal.** **41** (1994) 915
- MATUSCHEK, G., STOFFERS, H., OHRBACH, K. H., KETTRUP, A. (Univ. Gesamthoch Paderborn, FB 13 Angew. Chem., Warburger Str. 100., W-4790 Paderborn, Germany) Study on the thermal degradation of varnishing systems for metallic points applied in the automobile industry **Thermochim. Acta** **234** (1994) 127
- MCGHIE, A. R. (Univ. Penn, Res. Struct. Matter Lab., Philadelphia, PA, 19104, USA) Simultaneous thermogravimetry-differential thermal analysis-mass spectrometry (TG-DTA-MS) using a heated capillary interface **Thermochim. Acta** **234** (1994) 21
- MULLER, T., RECHERT, A., ABICHT, H. P. (Univ. Halle Wittenberg, Inst. Anorgan. Chem., D-06099 Halle, Germany) Investigations of the mechanism of formation of $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$ mixed crystals using (Ba, Ca) CO_3 solid solutions (in German) **Thermochim. Acta** **235** (1994) 171
- ODLYHA, M., SCOTT, R. P. W. (Univ. London, Birkbeck Coll., Dept. Chem., Gordon House, 29 Gordon SQ, London WC1H 0PP, England) The enthalpic value of paintings **Thermochim. Acta** **234** (1994) 165
- OHTA, T. (Kanazawa Univ. Div. Phys. Sci., Dept. Chem. & Chem. Engn., Kodatsuno 2-40-20, Kanazawa, Ishikawa 920, Japan) Prediction of ternary excess enthalpies at high pressures using an equation of state **Thermochim. Acta** **235** (1994) 1
- OLCZAKKOBZA, M. (Tech. Univ. Lodz, Inst. Gen. & Ecol. Chem., PL-90924 Lodz, Poland) Thermal decomposition of silver (I) and mercury (I) anthranilates and salicyloaldoximates **J. Thermal Anal.** **41** (1994) 935
- ORTEGA, A., AKHOUAYRI, S., ROUQUEROL, F., ROUGUEROL, J. (CNRS, CTR Thermodynam & Microcalorimetric, 26 Rue 141E Ria, F-13003 Marseille, France) On the suitability of controlled transformation rate thermal analysis (CRTA) for kinetic studies. 2. Comparison with conventional TG for the thermolysis of dolomite with different particle sizes **Thermochim. Acta** **235** (1994) 197
- OVCHINNIKOV, V. V., BRUSKO, V. V., SOBANOV, A. A. (Kazan Construct. Engineers Inst., Zelionaya Str. 1., Kazan 420043, Russia) Thermochemistry of heteroatomic compounds. 5. Enthalpies of vaporization and solvation of tetracoordinated phosphorous derivatives **Thermochim. Acta** **233** (1994) 153
- OZAWA, T., KANARI, K. (Daicel Chem. Ind. Ltd., Tsukuba Res. Ctr., Tsukuba 305, Japan) A method for kinetic analysis of thermoanalytical data of competitive reactions **Thermochim. Acta** **234** (1994) 41

- PAHLKE, W., GAST, T. (Gesellsch. Innovat Forsch & Beratung Mbh., IFS, Lutzowstr. 102-014, D-10785 Berlin, Germany) A new magnetic suspension coupling for microbalances *Thermochim. Acta* **233** (1994) 427
- PALAMARU, M., RUSU, I., PRUNA, L., CIOBANU, C. (Univ. Al. I Cuza, Fac. Chem., Dept. Inorgan. Chem., BD Copov 11, R-6600 Iasi, Romania) A thermal degradation comparative study of polyesterurethane based on 4,4'-diphenylmethane diisocyanate interacted with 'd'-block metallic cations *Thermochim. Acta* **235** (1994) 217
- PARKER, D. G., WHEATLEY, G. W. (Ici. Adv. Mat., Wilton TS6 8JE, England) Thermosetting polyethersulphone digomers *Polym. Int.* **33** (1994) 321
- PATIL, D. G., BRILL, T. B. (Univ. Delaware, Dept. Chem. Newark, DE, 19716, USA) The thermal decomposition of energetic materials. 64. Kinetics of decomposition of furazano [3,4,b] piperzine and its 1,4-dinitro nitramine derivative *Thermochim. Acta* **235** (1994) 225
- PERRENOT, B., WIDMANN, G. (Mettler Toledo Ag., Analyt., CH-8603 Schwerzenbach, Switzerland) Polymorphism by differential scanning calorimetry *Thermochim. Acta* **234** (1994) 31
- PETRANOVIC, N. A., BOGDANOV, S. S. (Univ. Belgrade, Fac. Sci., Inst. Phys. Chem., POB 550, YU-11001 Belgrade, Yugoslavia) Kinetics and mechanism of the reduction of ammonia-synthesis catalysts *Thermochim. Acta* **233** (1994) 107
- PETROVIC, D. M., PETROVIC, A. F., LEVAC, V. M., LUKIC, S. R. (Univ. Novi Sad, Fac. Sci., Trg D. Obradovica 4., YU-21000 Novi Sad, Yugoslavia) Thermal decomposition of Cu(II) complexes with salicylaldehyde S-methyl thiosemicarbazone *J. Thermal Anal.* **41** (1994) 1165
- PIACENTE, V., FERRO, D., DELLAGATA, G. (*No address) Vaporization enthalpies of 5 odd-numbered (C₇ to C₁₅) α , ω -alkanediols (vol 232, Pg 317, 1994) *Thermochim. Acta* **235** (1994) 291
- POPESCU, C., SEGAL, E. (Laceca, Res. CTR, St. Siret 95, R-78308, Bucharest, Romania) On 2-term rate equations in non-isothermal kinetics *Thermochim. Acta* **235** (1994) 11
- RADIC, D., TAGLE, L. H., OPAZO, A., GODOY, A., GARGALLO, L. (Pontificia Univ. Catolica Chile, Fac. Quim 502, Dept. Quim. Fis. Casilla 306., Santiago 22, Chile) Thermal stability of poly(mono-n-alkylitaconates) and mono-n-alkylitaconate-co-vinylpyrrolidone copolymers. 1. *J. Thermal Anal.* **41** (1994) 1007
- REICH, L. (Stevens Inst. Technol., Dept. Chem. & Chem. Engn., Hoboken, NJ, 07030, USA) Use of databases in the kinetic analysis of 2 parallel 1st-order reactions. 2. *Thermochim. Acta* **235** (1994) 281
- RELLER, A. (Univ. Hamburg, Inst. Inorgan & Appl. Chem., Martin Luther Pl. 6., D-20146 Hamburg, Germany) Wiedemann, Hans Georg Glimpses of an iridescent life *Thermochim. Acta* **234** (1994) R10
- RENACCO, E., KALOUSTIAN, J., ARFI, C., PAULI, A. M., PASTOR, J. (Fac. Pharm. Marseille, Chim. Analyt. Lab., 27, BO J Moulin, F-13385 Marseille 5, France) Differential thermal analysis and thermogravimetry of fire-resistant polyethylene using magnesium hydroxide (in French) *J. Thermal Anal.* **41** (1994) 881
- ROBENS, E., EYRAUD, C., ROCHAS, P. (Johannes Gutenberg Univ., Inst. Anorgan & Analyt. Chem., D-55099 Mainz, Germany) Some comments on the history of vacuum microbalance techniques *Thermochim. Acta* **235** (1994) 135
- ROBENS, E., MASSEN, C. H., HARDON, J. J. (Johannes Gutenberg Univ., Inst. Anorgan. & Analyt. Chem., D-55099 Mainz, Germany) Studies on historical

- gravimetric hygrometers *Thermochim. Acta* **235** (1994) 125
- SAID, A. A., ELWAHAB, M. M. M. A., HASSAN, R. M. (Univ. Assiut, Dept. Chem., Assiut, Egypt) Thermal and electrical studies on some metal alginate compounds *Thermochim. Acta* **233** (1994) 13
- SAID, A. A., HALAWY, S. A. (Univ. Assiut, Dept. Chem., Assiut, Egypt) Effects of alkali metal ions on the thermal decomposition of ammonium heptamolybdate tetrahydrate *J. Thermal Anal.* **41** (1994) 1075
- SANCHEZ, R. M. T., TAVANI, E. L. (Comis Invest. Cientif. Prov. Buenos Aires, Ctr. Technol. Recursos Minerales & Ceram., CC 49, RA-1897 Gonner, Argentina) Temperature effects on the point of zero charge and isoelectric point of a red soil rich in kaolinite and iron minerals *J. Thermal Anal.* **41** (1994) 1129
- SAYED, M. B. (Qatar Univ., Dept. Chem., Doha 2713, Qatar) The contrasting effects of γ -irradiation on the lattice transition and $\text{NH}_4^{4(+)}$ decomposition thermodynamics in NH_4X zeolite - A DTA investigation *Thermochim. Acta* **233** (1994) 37
- SEGAL, E., ANDREI, A., PARVULESCU, V. (Univ. Bucharest, Fac. Chem., Dept. Phys. Chem., B Republ 13., Sector 4., R-70031, Bucharest, Romania) DTA and X-ray diffraction investigations of laser-irradiated CeO_2 powders *J. Thermal Anal.* **41** (1994) 1063
- SIDELNIKOV, A. A., MITROFANOVA, R. P., BOLDYREV, V. V. (Russian Acad. Sci., Inst. Solid State Chem., Derzhavina 18, Novosibirsk 630091, Russia) Relaxation of mechanical stress by fracture as a reason for autolocalization of topochemical solid state reactions *Thermochim. Acta* **234** (1994) 269
- STAVBER, S., KOREN, Z., ZUPAN, M. (Univ. Ljubljana, Jozef Stefan Inst., Organ. & Bioorgan. Chem. Lab., Jamova 39., 61000 Ljubljana, Slovenia) Selective, room temperature, high yield conversion of benzaldehydes to difluoromethoxy benzene derivatives using xenon difluoride *Synlett* **4** (1994) 265
- STRYDOM, C. A. (Univ. Pretoria, Dept. Chem., Pretoria 0002, South Africa) Evolved gas analysis during the thermal decomposition of $(\text{NH}_4)_4\text{V}_2\text{O}_{11}$ in an inert atmosphere *Thermochim. Acta* **235** (1994) 99
- SUAREZ, M. P., PALERMO, A., ALDAO, C. M. (Univ. Nacl. Mar Del Plata, Conicet, Inst. Mat. Sci. & Technol., Mar Del Plata, Argentina) The compensation effect revisited *J. Thermal Anal.* **41** (1994) 807
- TERENZI, L., PIACENTE, V. (Univ. Roma La Sapienza, Dipartimento Chim., Piazzale Aldo Moro 5., I-00185 Rome, Italy) Vapour pressures and vaporization enthalpies of thiourea and a homologous series of its 1,3-dialkyl derivatives *Thermochim. Acta* **235** (1994) 61
- TISSOT, P. (Univ. Geneva, Dept. Chim. Minerale Analyt. & Appl., 30 Quar E Ansermet, CH-1211 Geneva 4., Switzerland) DTA determination of liquids temperatures and Al_2O_3 and AlF_3 content in cryolitic melts *Thermochim. Acta* **234** (1994) 245
- TRIF, E., STRUGARU, D., IVAN, I., RUSSU, R., GHEORGHE, G., NICULA, A. (Univ. Cluj Napoca, Fac. Phys., STR M, Kogalniceanu 1, R-3400 Cluj Napoca, Romania) Thermal properties of Y-type zeolites *J. Thermal Anal.* **41** (1994) 871
- TRIKHA, A. K., SODHI, G. S. (Punjabi Univ., Dept. Chem., Patiala 147002, Punjab, India) Thermal studies on thorium(IV) complexes of 1-butyl-1-methylpiperazinium iodide *J. Thermal Anal.* **41** (1994) 909
- UTSCHICK, H., RITZ, M., MALLON, H. J., ARNOLD, M., LUDWIG, W., KET-

- TRUP, A., MATTUSCHEK, G., CYRYS, J. (Robert Muhlporfte Str. 18B, D-06112 Halle, Germany) Investigations on the thermal degradation of post-chlorinated polyvinil chloride *Thermochim. Acta* **234** (1994) 139
- VASANDANI, A. G. M., SHAH, M. R. (Univ. Sindh., Inst. Chem., Sindh., Pakistan) Differential thermal analysis of low-rank coals *J. Thermal Anal.* **41** (1994) 1053
- VISWANATH, S. G., UMARE, S. S., GUPTA, M. C. (Nagpur Univ., Laxminarayan Inst. Technol., Nagpur 440010, Maharashtra, India) Standard polynomial method for derivates application to non-isothermal and isothermal kinetics and computer programming for the Sharp-Wentworth and Freeman-Caroll methods *Thermochim. Acta* **233** (1994) 47
- VUKOVIC, R., KURESEVIC, V., BOGDANIC, G., FLES, D. (Ina, Res. & Dev., Savska Cesta 41-X, Zagreb, Cratia) DSC study of the miscibility of PPO and sulphonylated PPO in blends with alternating copolymers of β /substituted styrene derivatives with maleic anhydride and with N-substituted maleimides *Thermochim. Acta* **233** (1994) 75
- WANG, Z. L., NIU, C. J., MA, J. F., NI, J. Z. (Acad. Sinica, Changchun Inst. Appl. Chem, Rare Earth Chem. & Phys. Lab., Changchun 130022, Peoples R. China) The dehydration behaviour of rare earth complexes of m-nitrobenzoic acid *J. Thermal Anal.* **41** (1994) 899
- WOLF, G., SCHMIDT, H. G., BOHMHAMMEL, K. (Freiberg Univ. Min. & Technol., Inst. Phys. Chem., Leipziger Str. 29., D-09596 Freiberg, Germany) Differential scanning calorimetry – a reliable method of enthalpy claibration *Thermochim. Acta* **235** (1994) 23
- YARIV, S., NASSER, A., MICHAELIAN, K. H., LAPIDES, I., DEUTSCH, Y., LAHAV, N. (Hebrew Univ. Jerusalem, Dept. Inorgan. & Analyt. Chem., IL-91904 Jerusalem, Israel) Thermal treatment of the kaolinite /CsCl/H₂O intercalation complex *Thermochim. Acta* **234** (1994) 275
- YOUSSEF, A. M., ALAYA, M. N., HAMADA, M. A. (Mansoura Univ., Fac. Sci., Dept. Chem., Mansoura, Egypt) Characterization of some catalysts using vacuum balances *Thermochim. Acta* **235** (1994) 91
- ZAMALI, H., JEMAL, M. (Fac. Sci. Tunis, Dept. Chim. Campus Univ., Tunis 1060, Tunisia) Phase diagrams of the binary systems KNO₃ and KNO₃-NaNO₃ (in French) *J. Thermal Anal.* **41** (1994) 1091
- ZAMALI, H., JRIRI, T., ROGEZ, J., JEMAL, M., MATHIEU, J. C. (CTR. Thermodynam. & Microcalorimetrie, CNRS, 26 Rue 141 EME, RIA, F-13003, Marseille, France) Mixing properties in the continous solid solution of the system KNO₃-NaNO₃ *Thermochim. Acta* **233** (1994) 1
- ZHANG, D. C., DA, Z. J. (Sinopec., Petr. Proc. Res. Inst., Beijing 100083, Peoples R. China) Application of insitu TG to characterize catalyst acidity *Thermochim. Acta* **233** (1994) 87
- ZHANG, N., LI, J. H., CHENG, Q. T., ZHU, M. W. (Normal Univ., Dept. Chem., Xinxiang 453002, Peoples R. China) Kinetic studies on the thermal dissociation of β -cyclodextrin benzyl alcohol inclusion complex *Thermochim. Acta* **235** (1994) 105
- ZHANG, X. D., SHI, G. Y. (Sinica, Shanghai Inst. Organ. Chem., Shanghai 200032, Peoples R. China) The effect of a β -nucleator on the crystallization and melting behavior of ethylene propylene random and block copolymers *Thermochim. Acta* **235** (1994) 49

- ZHONG, Z., GALLAGHER, P. K., LORACONO, D. L., LOIACONO, G. M. (Ohio State Univ., Dept. Chem., Columbus, OH, 43210, USA) The thermal expansion and stability of KTiOAsO_4 and related compounds *Thermochim. Acta* **234** (1994) 255
- ZHOU, S., SCHULZEKLOFF, G., POPOVIC, D. (Univ. Bremen, Inst. Angew & Phys. Chem., D-28234 Bremen, Germany) Parameter determination of a thermal desorption model *J. Thermal Anal.* **41** (1994) 767
- ZIVKOVIC, Z. D., STRBAC, N. D., SESTAK, J. (Inst. Phys., Gukrovarvicka 10., CS-16200 Prague 6., Czech Republic) Thermal decomposition of low-grade high-silicon boehmite bauxite *Thermochim. Acta* **233** (1994) 97
- ZHU, S. M., SHEN, S. B., BENSON, G. C., LU, B. C. Y. (Univ. Ottawa, Dept. Chem. Engn., Ottawa K1N 6N5, Ontario, Canada) Excess molar enthalpies of methyl tert-butyl ether+(cyclohexane or 2,3-dimethylbutane)+n-decane ternary mixtures at 298.15 K *Thermochim. Acta* **235** (1994) 161