

Bibliography Section

- ABBOUD, J. L. M., JIMENEZ, P., ROUX, M. V., TURRION, C., LOPEZMARDOMINGO, C., SANZ, G. (CSIC, Inst. Quim. Fis. Rocasolano, Servano 119, E-28006 Madrid Spain) Structural effects on the thermochemical properties of carbonyl compounds. 2. Enthalpies of combustion, vapour pressures and enthalpies of sublimation, and standard enthalpies of formation in the gaseous phase, of 1-adamantyl methyl ketone and of 1,1'-diadamantyl ketone **J. Chem. Thermodyn.** **24** (1992) 217
- ABETZ, V., HILGER, C., STADLER, R. (Univ. Mainz, Inst. Organ. Chem., Johann Joachim Becher Weg 18-20, W-6500 Mainz Germany) Infrared spectroscopy on new multiphase thermoplastic elastomers based on hydrogen bond complexes. Temperature dependence and orientation behaviour **Macromol. Chem.** **52** (1991) 131
- ABLETT, S., CLARK, A. H., IZZARD, M. J., LILLFORD, P. J. (Unilever Res. Labs, Calworth House, Sharnbrook MK44 1LQ, Beds England) Modelling of heat capacity temperature data for sucrose water systems **J. Chem. Soc.** **88** (1992) 795
- ABLETT, S., IZZARD, M. J., LILLFORD, P. J. (Unilever Res. Labs, Calworth House, Sharnbrook MK44 1LQ, Beds England) Differential scanning calorimetric study of frozen and glycerol solutions **J. Chem. Soc.** **88** (1992) 789
- ACREE, W. E. (Univ. N Texas, Dept. Chem., Denton TX 76203 USA) Mathematical representation of thermodynamic properties. 2. Derivation of the combined nearly ideal binary solvent (NIBS) Redlich-Kister mathematical representation from a 2-body and 3-body interactional mixing model **Thermochim. Acta** **198** (1992) 71
- ACREE, W. E., SIMIRSKY, V. V., KOZYRO, A. A., KRASULIN, A. P., KABO, G. J., FRENKEL, M. L. (Univ. North Texas, Dept. Chem., Denton TX 76203 USA) Thermodynamic properties of organic compounds. 2. Combustion and sublimation enthalpies of 2,4,6-trimethylbenzoxonitrile N-oxide **J. Chem. Engn. Data** **37** (1992) 131
- ACREE, W. E., TUCKER, S. A., PILCHER, G. (Univ. North Texas, Dept. Chem., Denton TX 76203 USA) Enthalpies of combustion of 1,4-dicyanobenzene di-N-oxide and 1,4-dicyanobenzene. The mean dissociation enthalpy of the (N-O) bonds **J. Chem. Thermodyn.** **24** (1992) 213
- ADEDIRAN, G. O., BARK, L. S. (Univ. Ilorin, Dept. Chem., Ilorin Nigeria) Rapid assay of some azo dyes using solution thermochemistry **J. Thermal Anal.** **37** (1991) 2211
- ALMAYDAMA, H. M. A., GARDNER, P. J., MCARA, I. W. (Univ. London Royal Holloway Bedford New Coll., Dept. Chem., Egham Hill, Egham TW20 OEX Surrey England) The standard enthalpies of formation of some zinc orthophosphate polymorphs **Thermochim. Acta** **196** (1992) 117
- ARANCIBIA, E. L., DESCHAEFER, C. R., KATZ, M. (Univ. Nacl. Tucuman, Fac. Cienc. Exact. Tecnol., Inst. Ingn. Quim.,

- Catedra Fisicoquim., RA-4000 Tucuman Argentina) Thermodynamic properties at infinite dilution of several solutes in ethers by gas-liquid chromatography **Chromatographia** **33** (1992) 41
- ARDA, N., SAYAR, A. A. (Univ. Istanbul, Fac. Sci., Dept. Biol., Molec. Biol. Sect., Istanbul 34459 Turkey) (Liquid + liquid) equilibria of (water + tetrahydrofuran + 1-methylcyclohexanol) and of (water + tetrahydrofuran + 2-methylbutyl ethanoate) at the temperature (293.16 +/-0.30) K and pressure **J. Chem. Thermodyn.** **24** (1992) 145
- ARTAKI, I., RAY, U., GORDON, H. M., GERVASIO, M. S. (ATT Bell Labs, Princeton NJ 08540 USA) Thermal degradation of rosin during high temperature solder reflow **Thermochim. Acta** **198** (1992) 7
- ARSUAGA, J. M., COMPOSTIZO, A., CACERES, M., NUNEZ, J. (Univ. Complutense Madrid, Fac. Quim., Dept. Quim. Fis. 1, E-28040 Madrid Spain) Volumetric properties of dilute aqueous solutions at cobalt-amine-type salts. 1. Densities at 25-degrees-C **J. Solut. Chem.** **21** (1992) 297
- BALBONTIN, G., DAINELLI, D., GALIMBERTI, M., PAGANETTO, G. (Himont Italia Srl., Via Caduti Lavoro, I-28100 Novara Italy) Thermal behaviour of highly stereoregular syndiotactic polypropylene from homogeneous catalysts **Macromol. Chem.** **193** (1992) 693
- BAO, J. S., FAN, H. N. (Acad. Sinica, Inst. Chem., Beijing 100080 Peoples R China) Thermotropic liquid crystalline aromatic copolyesters with flexible spacers **Polym. Int.** **27** (1992) 213
- BAO, X., LEHMPPUHL, G., WEINBERG, G., SCHLOGL, R., ERTL, G. (Max Planck Gesell., Fritz Haber Inst., Faradayweg 4-6, W-1000 Berlin 33 Germany) Variation of the morphology of silver surfaces by thermal and catalytic etching **J. Chem. Soc.** **88** (1992) 865
- BARRES, P. A., DAWSON, E. A., MIDGLEY, G. (Leeds Polytech., Catal. Res. Unit, Calverley St., Leeds LS1 3H5, W Yorkshire England) Activation of novel copper carbon catalysts using temperature-programmed mass spectrometry **J. Chem. Soc. Faraday Trans.** **88** (1992) 349
- BECKE, A. D. (Queens Univ., Dept. Chem., Kingston Ontario Canada K7L 3N6) Density-functional thermochemistry. 1. The effect of the exchange-only gradient correction **J. Chem. Phys.** **96** (1992) 2155
- BELOT, V., CORRIU, R. J. P., LECLERCQ, D., MUTIN, P. H., VIOUX, A. (Univ. Montpellier 2, CNRS, Um 44, USTL Case 007, P1 E Bataillon, F-34095 Montpellier 05 France) Thermal redistribution reactions in crosslinked polysiloxanes **J. Polym. Sci. A** **30** (1992) 613
- BIRGENEAU, R. J., ERWIN, R. W., GEHRING, P. M., KASTNER, M. A., KEIMER, B., SATO, M., SHAMOTO, S., SHIRANE, G., TRANQUADA, J. (MIT, Dept. Phys., Cambridge MA 02139 USA) Temperature scaling of the integrated dynamical susceptibility in $YBa_2Cu_3O_{6.5}$ ($T_c = 50$ K) **Z. Phys. B** **87** (1992) 15
- BISMONDO, A., CASELLATO, U., RIZZO, L., GRAZIANI, R. (CNRS, Ist. Chim. Technol. Radioelementi, I-35100 Padua Italy) Thermodynamics of complexation of the uranyl(VI) ion with phenylacetate. The crystal structure of $NaUO_2L_3$ ($L = PhCH_2CO_2$) **Inorg. Chim. Acta** **191** (1992) 69
- BISMONDO, A., RIZZO, L. (CNR, Ist. Chim. Technol. Radioelementi, Area Ric, Corso Stati Uniti 4, I-35020 Padua Italy) Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution **Thermochim. Acta** **196** (1992) 131
- BRAUN, D., KOMMERLING, S. (Deutsch Kunststoff. Inst. Darmstadt, Schlossgartenstr. 6, W-6100 Darmstadt Germany) DSC investigation on the thermal degradation of PVC in blends **Angew. Macromol. Chem.** **195** (1992) 205
- BRENNECKE, D., SCHAFFER, B., LACMANN, R. (Tech. Univ. Braunschweig, Inst. Phys. Theoret. Chem., Hans Sommer str. 10, W-3300 Braunschweig Germany) Calculation and prediction of thermodynamic properties of non-electrolyte mixtures with

- the modified TASQUAC model **Fluid Phase Eq.** **73** (1992) 57
- BRUCE, P. G., NOWINSKI, J., GIBSON, V. C. (Univ. St. Andrews, Dept. Chem., St. Andrews KY16 9ST, Fife Scotland) Temperature dependence of sodium ion diffusion in $\text{Na}_x\text{WO}_2\text{Cl}_2$ **Solid State Ionics** **50** (1992) 41
- BRUMA, M., SAVA, I., HAMCIUC, E., HAMCIUC, C., BELOMONIA, N. M., KRONGAUZ, E. S. (Inst. Macromolek., Chem. Petru Poni, Aleea Gr. Ghica Voda 41A, Iasi Romania) Thermostable polyesters containing imide and phenylquinoxaline units **Angew. Makromol. Chem.** **194** (1992) 179
- CABRERA, G. R., MORENO, A. M. A., CLAVELL, J. S., PLACERES, J. C. R. (Univ. La Laguna, Dept. Quim. Fis., Tenerife Spain) Thermodynamic functions of the coordinated Cd(II)-oxalate system **Anal. Quim.** **87** (1991) 649
- CALANDRELLI, L., IMMIRZI, B., MALICONICO, M., MARTUSCELLI, E., RIVA, F. (CNR Ist. Ric. Tecnol. Polimeri Reol., Via Toiano 6, I-80072 Arco Felice Italy) Structural and thermal investigations on aromatic polyoxadiazole/polyamide-6 blends **Macromol. Chem.** **193** (1992) 669
- CANEIRO, A. (Comis Nacl. Energia Atom, Ctr. Atom Bariloche, RA-8400 Bariloche, Rio Negro Argentina) Thermogravimetric study of the tungsten-oxygen system in the range 2.89-less-than-O/W-less-than-3.00 between 1023 K and 1223 K **Solid State Ionics** **50** (1992) 107
- CARDENAS, G., RETAMAL, C., TAGLE, L. H. (Concepcion Univ., Fac. Cienc, Dept. Quim., Casilla 3C, Concepcion Chile) Thermal studies of metal polystyrenes **Thermochim. Acta** **198** (1992) 123
- CASSOL, A., DIBERNANDO, P., PORTANOVA, R., TOLAZZI, M., TOMAT, G., ZANONATO, P. (Univ. Udine, Ist. Chim., via Cotonificio 108, I-33100 Udine Italy) Thermodynamics of lanthanide(III) complexation with ethylenediamine in dimethyl sulfoxide **J. Chem. Soc. Dalton Trans.** **3** (1992) 469
- CASTELLS, R. C., CASTELLS, C. B. (Cidepint, 52E-121-122, RA-1900 La Plata Argentina) Thermodynamics of tetra-n-octyltin + hydrocarbon systems by gas-liquid chromatography **J. Solut. Chem.** **21** (1992) 129
- CHAKRABORTI, N., LUKAS, H. L. (Max Planck Inst. Met. Res., Inst. Werkstoffwissensch., PML, Heisenbergstr. 5, W-7000 Stuttgart 80 Germany) Thermodynamic optimization of the Mg-Al-Si phase digram **Calphad** **16** (1992) 79
- CHEN, H. S., KORTAN, A. R., HADDON, R. C., FLEMING, D. A. (ATT Bell Labs, Murray Hill, NJ 07974 USA) Thermodynamics of C_6O in pure O_2 , N_2 and Ar **J. Phys. Chem.** **96** (1992) 1016
- CHENG, S. Z. D., CHEN, J. H., ZHANG, A. Q., BARLEY, J. S., HABENSCHUSS, A., ZSCHACK, P. R. (Univ. Akron, Coll. Polym. Sci. Engn., Inst. Dept. Polym. Sci., Akron OH 44325 USA) Isothermal thickening and thinning processes in low molecular weight poly (ethylene oxide) fractions crystallized from the melt. 2. Crystals involving more than one fold **Polymer** **33** (1992) 1140
- CLEMMER, D. E., DALLESKA, N. F., ARMENTROUT, P. B. (Univ. Utah, Dept. Chem., Salt Lake City, UT 84112 USA) Gas-phase thermochemistry of the group-3 dioxides- ScO_2 , YO_2 and LaO_2 **Chem. Phys. Lett.** **190** (1992) 259
- COLES, G. S. V., WILLIAMS, G. (Univ. Coll. Swansea, Dept. Elect. Engn., Swansea SA2 8PP Wales) Effects of high-temperature sintering on SnO_2 sensor response to reducing gases **J. Mat. Chem.** **2** (1992) 23
- COLL, T., PERALES, J. F., ARNALDOS, J., CASAL, J. (Univ. Politecn. Catalunya, Dept. Chem. Engn., Diagonal 647, E-08028 Barcelona Spain) Coal pyrolysis. Thermogravimetric study and kinetic modelling **Thermochim. Acta** **196** (1992) 53
- COLUMBIA, M. R., CRABTREE, A. M., THIEL, P. A. (Iowa State Univ. Sci. Technol., Dept. Chem., Ames IA 5001 USA) The temperature and coverage dependences of adsorbed formic acid and its conversion

- to formate on Pt (111) **J. Amer. Chem. Soc.** **114** (1992) 1231
- COMELLI, F., FRANCESCANI, R. (CNR, Ctr. Studio Fis. Macromolec., Via Selmi 2, I-40126 Bologna Italy) Calorimetric study of binary mixtures containing chlorobenzene. Linear and cyclic ethers **Thermochim. Acta** **196** (1992) 177
- DAI, S., YOUNG, J. P., BEGUN, G. M., MAMANTOV, G. (Oak Ridge Natl. Lab, Div. Analyt. Chem., Oak Ridge TN 37831 USA) Temperature measurement by observation of the raman spectrum of diamond **Appl. Spectrosc.** **46** (1992) 375
- DARRAS, O., SEGUELA, ., RIETSCH, F. (Univ. Lille 1, Struct. Prop. Etat. Solide Lab, CNRS, Ura 234, Bat C6, F-59655 Villeneuve Dascq France) Dried gels from linear low-density polyethylene. Morphology, thermal behaviour and mechanical properties **J. Polym. Sci. B** **30** (1992) 349
- DASILVA, M. A. V. R., REIS, A. M. M. V. (Univ. Oporto, Fac. Sci., Dept. Chem., Ctr. Invest. Quim., P-4000 Oporto Portugal) Enthalpies of formation of crystalline dialkyldithiocarbamate complexes with iron(III), cobalt(III), chromium(III) and manganese(III). The mean M-S bond dissociation enthalpies **J. Chem. Thermodyn.** **24** (1992) 401
- DEABAJO, J., DELACAMPA, J. G., KRICHENDORF, H. R., SCHWARZ, G. (Univ. Hamburg, Inst. Tech. Makromolek. Chem., Bundesstr. 45., W-2000 Hamburg 13 Germany) LC-polyimides. 6. Thermotropic poly (ester-imide)s derived from normal-(4-carboxyphenyl) trimellitimide and various diphenols **Eur. Polym. J.** **28** (1992) 261
- DEMIDOV, V. N., DENISOV, I. A., BELYAEV, A. N., YAKOVLEV, V. N., KUKUSHKIN, Y. N. (Leningrad Technol. Inst., Leningrad USSR) Thermal intramolecular rearrangement of coordinated 1,10-phenanthroline in chromium(III), cobalt(V), nickel(II), zinc(II) and cadmium(II) complexes **Koord. Khim.** **17** (1991) 1717
- DICARLO, J., BULARZIK, J., NAVROTSKY, A. (Princeton Univ., Dept. Geol. Geophys. Sci., Princeton NJ 08544 USA) A thermochemical study of $\text{La}_{2-x}\text{A}_x\text{CuO}_{4-y}$ (A = Ba, Sr, Ca, Pb) **J. Solid State Chem.** **96** (1992) 381
- DRECHSLER, M. (Univ. Aix Marseille, CNRS, CRMC2, Campus Luminy, F-13288 Marseille 9 France) The thermal faceting of surfaces by low coverage adsorption. A model and analyses of field emission microscope experiments **Surface Sci.** **266** (1992) 1
- DUBRAWSKI, J. V. (BHP Res., Newcastle Labs, POB 188, Wallsend NSW 2287 Australia) Difference in enthalpies of decomposition of dolomite ankerites in variable atmospheres **Thermochim. Acta** **198** (1992) 129
- DUCROS, M., SANNIER, H. (Ecole Natl. Super Tech. Avancees, Rech. Combust. Thermochim. Grp., Chemin Huniere, F-91120 Palaiseau France) Estimations of enthalpies and free enthalpies of formation of inorganic compounds **Thermochim. Acta** **196** (1992) 27
- DUNN, J. G., MACKEY, L. C. (Curtin Univ. Technol., Sch. Appl. Chem., Perth WA Australia) The measurement of ignition temperatures and extents of reaction on iron and iron-nickel sulfides **J. Thermal Anal.** **37** (1991) 2143
- FERNANDEZ, V., GARCIA, J., GUTIERREZPUEBLA, E., MONGE, A. (Univ. Autonoma Madrid, Fac. Ciencias, Dept. Quim. Inorgan., E-28049 Madrid Spain) Thermochromic phase transitions of coordination compounds. 1. Diammin-dinitro copper(II) **Anal. Quim.** **87** (1991) 703
- FERNANDEZ, V., GARCIA, J., GUTIERREZPUEBLA, E., MONGE, A. (Univ. Autonoma Madrid, Fac. Ciencias, Dept. Quim. Inorgan., E-28049 Madrid Spain) Thermochromic phase transitions of coordination compounds. 2. Quelates of composition $[\text{M}(\text{dieten})_2]\text{X}_2$ M = Cu, Ni X = $\text{BF}_4(-)$, $\text{ClO}_4(-)$, $\text{NO}_3(-)$ **Anal. Quim.** **87** (1991) 708

- FILIPPOV, P. G. (Acad. Sci. USSR, Inst. Chem. Phys. Energy Problems, Moscow V-71 USSR) Acceleration of low-temperature chemical reactions in hydrocarbon glasses through sonic waves. 2. Kinetics of explosive reaction of saturated hydrocarbons chlorination **Khim. Fiz.** **11** (1992) 110
- FUGER, J. (Commiss. Eur. Communities, Ctr. Joint Res., Inst. Transuranium Elements, POB 2340, W-7500 Karlsruhe Germany) Transuranium-element thermochemistry. A look into the past, a glimpse into the future **J. Chem. Thermodyn.** **24** (1992) 337
- GAONKAR, A. G. (Kraft Gen. Foods, Ctr. Technol., Colloids Emuls. Grp., 801 Waukegen Rd, Glenview IL 60025 USA) Effects of salt, temperature, and surfactants on the interfacial tension behaviour of a vegetable oil/water system **J. Coll. Interface Sci.** **149** (1992) 256
- GARG, B. S., DIXIT, R., SINGH, S. R., SINGH, R. P. (Univ. Delhi, Vallabhbai Patel Chest. Inst., Dept. Chem., Delhi 110007 India) Evaluation of stepwise complexation constants of biologically active ligand with lanthanum ions **Thermochim. Acta** **198** (1992) 207
- GIACOBBE, F. W. (Amer. Air Liquide Inc., Chicago Res. Ctr., Countryside IL 60525 USA) Thermodynamic solubility behaviour of carbon dioxide in acetone **Fluid Phase Eq.** **72** (1992) 277
- GIMZEWSKI, E. (BP Res. Ctr., Sunbury TW16 7LN, Middx England) The relationship between oxidation induction temperatures and times for petroleum products **Thermochim. Acta** **198** (1992) 133
- GIRGIS, B. S., ROFAIL, N. H. (Natl. Res. Ctr., Dept. Phys. Chem., Cairo Egypt) Decomposition reduction stages of ammonium uranyl carbonates under different atmospheres **Thermochim. Acta** **196** (1992) 105
- GORDON, R. G., HOFFMAN, D. M., RIAZ, U. (Harvard Univ., Dept. Chem., 12 Oxford St., Cambridge MA 02138 USA) Low-temperature atmospheric pressure chemical vapour deposition of polycrystalline tin nitride thin films **Chem. Mater.** **4** (1992) 68
- GRANT, P. M., ROBOUCH, P., TORRES, R. A., BAISDEN, P. A., SILVA, R. J. (Univ. Calif. Lawrence Livermore Natl. Lab, Div. Nucl. Chem., L-234 Livermore CA 94550 USA) Solution thermodynamics at high temperature. 1. Pr-diglycolate stability constants from 23 to 95-degree-C **J. Solut. Chem.** **21** (1992) 213
- GREINER, A., ROCHEFORT, W. E., GREINER, K., SCHMIDT, H. W., PEARSON, D. S. (Univ. Marburg, Hans Meerwein str., W-3550 Marburg Germany) Formation of thermoreversible gels from liquid-crystalline polyesters **Macromol. Chem. Rapid Commun.** **13** (1992) 25
- GULER, C., TUNC, F. (Aegean Univ., Fac. Sci., Dept. Chem., Bornova Turkey) Thermal decomposition of adsorbed β -carotene and chlorophyll on acid-activated clay **Thermochim. Acta** **198** (1992) 141
- HAGEMAN, P. R., DECROON, M. H. J. M., REEK, J. N. H., GILING, L. J. (Catholic Univ. Nijmegen, Fac. Sci., Dept. Exptl. Solid State Phys., RIM, Toernooiveld, 6525 Ed Nijmegen Netherlands) Pressure and temperature dependence of silicon doping of GaAs using Si_2H_6 in metalorganic chemical vapour deposition **J. Cryst. Growth** **116** (1992) 169
- HALLSTEDT, B. (Royal Inst. Technol., Div. Phys. Met., S-10044 Stockholm 70, Sweden) Thermodynamic assessment of the silicon-oxygen system **Calphad** **16** (1992) 53
- HAN, L. F., LINERT, W., GUTMANN, V. (Tech. Univ. Vienna, Inst. Inorgan. Chem., Getreidenmarkt 9, A-1060 Vienna Austria) Temperature dependence of the capacity factors of alkaloids in reversed-phase liquid chromatography **J. Chromatogr. Sci.** **30** (1992) 142
- HARKNESS, B. R., GRAY, D. G. (Pulp Paper Res. Inst. Canada, 3420 Univ. St., Montreal Quebec Canada H3A 2A7) Effect of temperature on the reflective properties of chiral nematic (trityl) (hexyl)-cellulose films **Polymer** **33** (1992) 1299

- HEDLEY, G., ODLYHA, M., BURNSTOCK, A., TILLINGHAST, J., HUSBAND, C. (Univ. London Birkbeck Coll., 20 Gordon str., London WC1H 0AJ England) A study of the mechanical and surface properties of oil paint films treated with organic solvents and water **J. Thermal Anal.** **37** (1991) 2067
- HOLGADO, M. E. D., DESCHAEFER, C. R., DAVOLIO, F., KATZ, M. (Univ. Nacl. Tucuman, Fac. Cienc. Exact. Tecnol., Inst. Ingn. Quim., Catedra Fisicoquim., RA-4000 Tucuman Argentina) Excess molar enthalpies for the normal-butylamine-1,4-dioxane-ethanenitrile system at 298.15 K **Thermochim. Acta** **196** (1992) 169
- HUNTELAAR, M. E., CORDFUNKE, E. H. P., OUWELTJES, W. (Netherlands Energy Res. Fdn., Petten Netherlands) The standard molar enthalpies of formation of $\text{SrSiO}_3(\text{s})$ and $\text{Sr}_2\text{SiO}_4(\text{s})$ **J. Chem. Thermodyn.** **24** (1992) 139
- HUSSAIN, G., REES, G. J. (Polytech. Wales, Dept. Sci. Chem. Engn., Pontypridd CF37 1DL, M Glam Wales) Combustion of mixtures containing NaClO_4 , S and carbon **J. Thermal Anal.** **37** (1991) 2205
- IIDA, S., HIDEMURA, Y., HIGASHIMUKAI, K., NAGATA, S. (Osaka Sangyo Univ., Dept. Elect. Engn. Electr., 3-1-1 Nakagaito, Daito Osaka 574 Japan) Thermal reactions of thin Ti films with sapphire substrates **Appl. Surf. Sci.** **56** (1992) 816
- IKEDA, N., ARATONO, M., MOTOMURA, K. (Kyushu Univ., Fac. Engn., Dept. Organ. Synth., Fukuoka 812 Japan) Thermodynamic study on the adsorption of sodium chloride at the water/hexane interface **J. Coll. Interface Sci.** **149** (1992) 208
- IMASAKA, K., NAGAI, T., YOSHIDA, M., FUKUZAKI, H., ASANO, M., KUMAKURA, M. (Japan Atom Energy Res. Inst., Takasaki Radiat. Chem. Res. Estab., Dept. Dev., Watanuki Machi 1233 Takasaki Gunma 37012 Japan) Synthesis of degradable terpolymers responding to external stimuli such as pH, ionic strength and temperature **Macromol. Chem.** **193** (1992) 715
- JACOBS, P. M., JONES, F. R. (Univ. Sheffield, Sch. Mat., Northumbereand Rd, Sheffield S10 2TZ England) The influence of heterogeneous crosslink density on the thermomechanical and hyfrothermal properties of an unsaturated polyester resin. 1. Thermomechanical response **Polymer** **33** (1992) 1418
- JENTYS, A., MCHYGH, B. J., HALLER, G. L., LERCHER, J. A. (Vienna Tech. Univ., Inst. Phys. Chem., Getreidemarkt 9, A-1060 Vienna Austria) Temperature-programmed reduction of silica-supported Pt/Ni catalysts studied by XANES **J. Phys. Chem.** **96** (1992) 1324
- JIA, Y. Q., SUN, W. M., NIU, C. J. (Acad. Sinica, Changchun Inst. Appl. Chem., Changchun Peoples R China) Thermal decomposition of some bioinorganic complexes of europium **Thermochim. Acta** **196** (1992) 85
- JIN, J. I., CHANG, J. H., HATADA, K., UTE, K., HOTTA, M. (Univ. Korea, Coll. Sci., Dept. Chem., Seoul 136701 South Korea) Thermal sequence randomization of a wholly aromatic copolyester having an ordered sequence **Polymer** **33** (1992) 1374
- JUNGOWSKA, W., ZNAMIEROWSKA, T. (Acad. Econ Wroclaw, Fac. Engn. Econ, Dept. Inorgan. Chem., PL-53345 Wroclaw Poland) Phase equilibria in the partial system $\text{LaPO}_4\text{-K}_3\text{PO}_4\text{-K}_4\text{P}_2\text{O}_7$ **Thermochim. Acta** **198** (1992) 81
- KANTCHEVA, M. M., HADJIVANOV, K. I., DAVYDOV, A. A., BUDNEVA, A. A. (Bulgarian Acad. Sci., Inst. Gen. Inorgan. Chem., BU-1040 Sofia Bulgaria) Low-temperature CO adsorption on Cu-2+TiO_2 catalysts **Appl. Surf. Sci.** **55** (1992) 49
- KAR, M., LENZ, T. G., VAUGHAN, J. D. (Colorado State Univ., Dept. Chem. Engn., Ft Collins, CO 80523 USA) Thermodynamic measurements for the Diels-Alder adduct of anthracene and maleic anhydride **J. Chem. Thermodyn.** **24** (1992) 151

- KARAIVANOVA, M. S., GJUROVA, K. M., PETROVA, R. P. (Technol. Univ. Bourgas, Dept. Organ. Chem., BU-8010 Bourgas Bulgaria) Salts of sulfaminic and nitrosulfonic acids. Their synthesis and thermal transformations **Thermochim. Acta** **198** (1992) **113**
- KAWAGUCHI, H., FUJIMOTO, K., MIZUHARA, Y. (Keio Univ., Fac. Sci. Technol., Dept. Appl. Chem., 3-14-1 Hiyoshi Yokohama Kanagawa 223 Japan) Hydrogel microspheres. 3. Temperature-dependent adsorption of proteins on poly-N-isopropylacrylamide hydrogel microspheres **Colloid Polym. Sci.** **270** (1992) **53**
- KEATTCH, C. J., DOLLIMORE, D. (POB 9, Dorset DT7 3BT England) Studies in the history and development of thermogravimetry. 1. Early development **J. Thermal Anal.** **37** (1991) **2089**
- KEATTCH, C. J., DOLLIMORE, D. (POB 9, Dorset DT7 3BT England) Studies in the history and development of thermogravimetry. 2. Hannay 'time method' **J. Thermal Anal.** **37** (1991) **2103**
- KIRSS, R. U. (Northeastern Univ., Dept. Chem., Boston MA 02115 USA) Electrocylic reactions of open metalocenes. Carbon carbon bond formation during thermolysis of bis(2,4-dimethyl-1,3-pentadienyl) ruthenium and bis(2,4-dimethyl-1,3-pentadienyl) osmium **Organomet.** **11** (1992) **497**
- KASOROTIKOV, R. V., OSTROVSKII, G. M. (Lensovet Technol. Inst., Leningrad USSR) Heat transfer in horizontal pneumatic conveyors **J. Appl. Chem. SSSR** **64** (1991) **609**
- KOUDELKA, L., BOOLCHAND, P. (Univ. Cincinnati, Dept. Elect. Comp. Engn., Cincinnati OH 45221 USA) Preparation of Mg_3TeO_6 for Te-125 and I-129 Mossbauer spectroscopy **Thermochim. Acta** **198** (1992) **173**
- KRUIDHOF, H., BOUWMEESTER, H. J. M., DEVRIES, K. J., GELLINGS, P. J., BURGGRAAF, A. J. (Univ. Twente, Dept. Chem. Technol., Inorgan. Chem. Mat. Sci. Catal. Lab, POB 217, 7500 EA Enschede Netherlands) Thermochemical stability and nonstoichiometry of erbia-stabilized bismuth oxide **Solid State Ionics** **50** (1992) **181**
- KUDO, M., NARUCHI, K., AKUTSU, F., MIURA, M. (Chiba Univ., Fac. Engn., Dept. Appl. Chem., 1-33 Yayoi Cho, Chiba 260 Japan) Thermal cross-coupled dimerisation of alkali and alkaline earth metal salts of methacrylic crotonic acid binary systems in the solid state **J. Chem. Soc.** **2** (1992) **105**
- KULBIDA, A., NOSOV, A. (Leningrad State Univ., Inst. Phys., Leningrad 198904 USSR) Thermal and CO-laser induced rotamerization of $CH_2ClCOOH$ in an argon matrix **J. Mol. Struct.** **265** (1992) **17**
- KUMBHARKHANE, A. C., PURANIK, S. M., MEHROTRA, S. C. (Marathwada Univ., Dept. Phys., Aurangabad 431004 Maharashtra India) Temperature dependent dielectric relaxation study of ethylene glycol-water mixtures **J. Solut. Chem.** **21** (1992) **201**
- LARENA, A., DELAORDEN, M. U., URRAGA, J. M. (Univ. Politecn. Madrid, Escuela Tecn. Super Ingn. Ind., Dept. Ingn. Quim. Ind., Jose Gutierrez Abascal 2, E-28006 Madrid Spain) Thermal and Fourier transform-infrared study of E-glass short-fiber functionalization with methylvinyl-dichlorosilane and vinyltrichlorosilane **J. Coll. Interface Sci.** **149** (1992) **34**
- LAROSA, C., GRASSO, D., FRESTA, M., VENTURA, C. A., PUGLISI, G. (Univ. Catania, Dip. Sci. Chim., Viale A Doria, I-95125 Catania Italy) Phospholipid vesicles as drug delivery systems. 2. A study on kinetic fusion between vesicles containing CDP-choline and dipalmitoylphosphatidylcholine vesicles **Thermochim. Acta** **198** (1992) **181**
- LEE, C. C., WANG, C. Y. (Univ. Calif. Irvine, Dept. Elect. Comp. Engn., Irvine CA 92717 USA) A low temperature bonding process using gold tin composites **Thin Solid Films** **208** (1992) **202**
- LI, D., HWANG, S. T. (Univ. Cincinnati, Ctr. Excellence Membrane Technol., ML171 Cincinnati OH 45221 USA) Pyrolysis

- kinetics of highly cross-linked polymethylsiloxane by TGA **J. Appl. Polym. Sci.** **44** (1992) 1979
- LIU, M. L., JIN, M. Z., NIU, C. J., SUN, W. M., JIA, Y. Q. (Acad. Sinica Changchun Inst. Appl. Chem., Changchun Peoples R China) Research on the thermal decomposition of the bioinorganic complex of europium and L-glutamine by Mossbauer spectroscopy **Thermochim. Acta** **198** (1992) 87
- LLPEZ, M., LEGIDO, J. L., ROMANI, L., CARBALLO, E., MARTELL, E. P., JIMENEZ, E., ANDRADE, M. I. P. (Univ. Santiago Compostelos, Fac. Fis., Dept. Fis., E-15706 Santiago Spain) Excess molar enthalpies for (propan-1-ol + pentan-3-one+hexane) at the temperature 298.15 K **J. Chem. Thermodyn.** **24** (1992) 205
- LOVINGER, A. J., HUDSON, S. D., DAVIS, D. D. (ATT Bell Labs, Murray Hill, NJ 07974 USA) High-temperature crystallization and morphology of poly(aryl ether ether ketone) **Macromolecules** **25** (1992) 1752
- LU, Z. P., HEBERLEIN, J., PFENDER, E. (Univ. Minnesota, Dept. Mech. Engn., Minneapolis MN 55455 USA) Process study of thermal plasma chemical vapour deposition of diamond. 1. Substrate material, temperature, and methane concentration **Plasma Chem. Plasma Proc.** **12** (1992) 35
- LUDA, M. P., GUAITA, M., CHIANTORE, O. (Univ. Turin, Dept. Inorgan. Phys. Mat. Chem., Via P Giuria 7, I-10125 Turin Italy) Thermal degradation of polybutadiene. 2. Overall thermal behaviour of polymers with different microstructures **Macromol. Chem.** **193** (1992) 113
- LUKASHENKO, G. M., GONCHARUK, L. V. (Acad. Sci. UKSSR, Inst. Mat. Sci. Problems, Kiev Ukraine USSR) Thermodynamic properties of solid solutions of intermetallic phase **Ukr. Khim. Zh. SSSR** **57** (1991) 911
- LUNDEEN, M., HUGUS, Z. Z. (Marmara Univ., Fak. Ataturk Egitim, Div. Chem., fikirtepe 81040 Istanbul Turkey) A calorimetric study of some metal ion complexing equilibria **Thermochim. Acta** **196** (1992) 93
- MAITI, S., SHIT, S. C. (Indian Inst. Technol., Ctr. Mat. Sci., Div. Polymer, Kharagpur 721302 W Bengal India) Thermal properties of ABA and BAB triblock copolymers **Indian J. Chem. A** **31** (1992) 219
- MAKRLIK, F. (Motorlet, 5 Jinonice, CS-15801 Prague Czechoslovakia) Thermodynamic parameters characterizing 8-hydroxyquinoline at the water/nitrobenzene interface **J. Coll. Interface Sci.** **150** (1992) 42
- MARKOV, V. N., SHARMIN, V. A., SHORMANOV, V. A., KRESTOV, G. A., ISAKOVA, O. A. (Ivanovo Chem. Technol., Inst. Ivanovo USSR) Thermodynamics of silver(I) complexation with 2,2'-dipyridyl in aqueous-acetone solvents **Koord. Khim.** **17** (1991) 1704
- MARRAHA, M., HEUGHEBAERT, J. C., HEUGHEBAERT, M. (Ecole Natl. Sci. Chim. Toulouse, Inst. Natl. Polytechn. Mat. Physicochim. Solides Lab, 38 Rue 36 Ponts, F-31400 Toulouse France) Heat-treatment of calcium phosphosulfate between 1000 and 1500-degrees-C **Ann. Chim.** **16** (1991) 519
- MARRAHA, M., HEUGHEBAERT, J. C., HEUGHEBAERT, M. (Ecole Natl. Sci. Chim. Toulouse, Inst. Natl. Polytechn. Mat. Physicochim. Solides Lab, 38 Rue 36 Ponts, F-31400 Toulouse France) Heat-treatment of calcium phosphosulfate between 1000 and 1500-degrees-C of diamond. 2. Pressure dependence and effect of substrate pretreatment **Plasma Chem. Plasma Proc.** **12** (1992) 55
- MASOUD, M. S., HAGGAG, S. S. (Fac. Sci. Alexandria, Dept. Chem., Alexandria Egypt) Thermal properties of some transition metal nitroso and thiobarbiturate complexes-conductivity, magnetism and thermogravimetry **Thermochim. Acta** **196** (1992) 221
- MCQUIRE, M. W., ROCHESTER, C. H., ANDERSON, J. A. (Univ. Dundee, Dept. Chem., dundee DD1 4HN Scotland) Syn-gas reactions over Rh/SiO₂ at high pressure

- and temperature studied by Fourier-transform infrared spectroscopy **J. Chem. Soc.** **88 (1992) 879**
- MIKHAEL, M. G. (Univ. Cairo, Fac. Sci., Dept. Chem., giza Egypt) Synthesis and thermal behaviour of poly(N-acryloyl, N'-cyanoacetohydrazide) and some of its metal complexes **Polym. Degrad. Stabil.** **36 (1992) 43**
- MIKHAILENKO, M. A., KARDASH, I. Y. (LY Karpov Phys. Chem. Res. Inst., Moscow USSR) Kinetics of thermal solid-phase imidization of poly-(4,4'-diphenyl-oxide) 2,5-dicarboisopropoxy terephthalamide **Vysokomol. Soedin. Ser A SSSR** **33 (1991) 2335**
- MUNOZ, A., CIMBRERA, F. L. (Univ. Rochester, Dept. Chem. Engn., Rochester NY 14627 USA) A phenomenological model for the enthalpy relaxation of glasses. 2. Effects of a continuous distribution of relaxation times **Thermochim. Acta** **196 (1992) 137**
- NAGATA, I., FUKUSHIMA, Y. (Kanazawa Univ., Dept. Chem. Engn., Div. Phys. Sci., Kodatsuno 2-40-20 Kanazawa Ishikawa 920 Japan) On the thermodynamics of tautomeric mixtures. Phase equilibria for binary and ternary solutions containing acetylacetone and alcohol **Fluid Phase Eq.** **71 (1992) 29**
- NAGATA, I., SANO, M. (Kanazawa Univ., Dept. Chem. Engn., Div. Phys. Sci., Kodatsuno 2-40-20, Kanazawa Ishikawa 920 Japan) Thermodynamics of associated solutions containing aniline and methanol **Fluid Phase Eq.** **72 (1992) 147**
- NARH, K. A., ODELL, J. A., KELLER, A. (Univ. Bristol, HH Wills Phys. Lab, Tyndall Ave, Bristol BS8 1TL, Avon England) Temperature dependence of the conformational relaxation time of polymer molecules in elongational flow. Invariance of the molecular weight exponent **J. Polym. Sci. B** **30 (1992) 335**
- NGUYEN, S. N., SILVA, R. J., WEED, H. C., ANDREWS, J. E. (Univ. Calif. Lawrence Livermore Natl. Lab, Dept. Earth Sci., L-396 Livermore CA 94551 USA) Standard Gibbs free energies of formation at the temperature 303.15 K of 4 uranyl silicates, soddyite, uranophane, sodium boltwoodite and sodium weeksite **J. Chem. Thermodyn.** **24 (1992) 359**
- NI, J. P., CAI, X. E., KONG, D. J., ZHU, J., QIAN, Y. X. (Fudan Univ., Dept. Chem., Shanghai 200433 Peoples R China) Thermal analyses and enthalpies of formation of $H_3PW_{12}O_{40} \cdot 6DMF \cdot 2H_2O$ **Thermochim. Acta** **198 (1992) 1**
- NICOVICH, J. M., KERUTTER, K. D., VANDIYK, C. A., WINE, P. H. (Georgia Inst. Technol., Georgia Tech. Res. Inst. Phys. Sci. Lab, Atlanta GA 30332 USA) Temperature-dependent kinetics studies of the reactions $Br(2P3/2) + H_2S$ reversible $SH + HBr$ and $Br(2P3/2) - CH_3SH$ reversible $CH_3S - HBr$. Heats of formation of SH and CH_3S radicals **J. Phys. Chem.** **96 (1992) 2518**
- NISHIOKA, K., KUSAKA, I. (Yamaguchi Univ., Fac. Liberal Arts, Dept. Phys., Yamaguchi 753 Japan) Thermodynamic formulas of liquid phase nucleation from vapor in multicomponent systems **J. Chem. Phys.** **96 (1992) 5370**
- NOWELL, D. V., POWELL, M. W. (Hatfield Polytech., Sch. Nat. Sci., Coll. Lane, Hatfield AL10 9AB, Herts England) Determination of adhesion in bitumen-mineral systems by heat-of-immersion calorimetry. 1. The effect of crude oil source on adhesive performance **J. Thermal Anal.** **37 (1991) 2109**
- HYDEN, M. R., FORNEY, G. P., BROWN, J. E. (Natl. Inst. Stand. Technol., Bldg. Fire Res. Lab, Gaithersburgh MD 20899 USA) Molecular modeling of polymer flammability - Application to the design of flame-resistant polyethylene **Macromolecules** **25 (1992) 1658**
- OATES, W. A., WENZL, H. (KFA Julich Gmbh, Forschungszentrum, Inst. Fest-Korperforsch, Postfach 1913, W-5170 Julich 1 Germany) The bond energy model for ordering in a phase with sites of different coordination numbers **Calphad** **16 (1992) 73**

- ORESHKOVA, N. S., SARAIEVA, V. V., ROMANTSEV, M. F. (MV Lomonosov State Univ., Moscow 117234 USSR) Influence of temperature on radiolysis of di-2-ethylhexyl sebacate **High Energy Chem.** **25** (1991) 277
- OTA, M., OTANI, S., IIZUKA, S., KOJIMA, A. (Gunma Coll. Technol., Toriba Cho, Maebashi 371 Japan) The preparation of thermostable fiber from condensed polynuclear aromatic (COPNA) resin **Nippon Kagaku Kaishi** **1** (1992) 107
- OXLEY, J. C., HISKEY, M., NAUD, D., SZEKERES, R. (New Mexico Inst. Min. Technol., Dept. Chem., Socorro NM 87801 USA) Thermal decomposition of nitramines. Dimethylnitramine, diisopropyl nitramine and N-nitropiperidine **J. Phys. Chem.** **96** (1992) 2505
- PAJUNEN, M., KIVILAHTI, J. (Helsinki Univ. Technol., Dept. Mat. Sci. Engn., Vourimiehentie 2A, SF-02150 Espoo Finland) Thermodynamic analysis of the titanium-oxygen system **Z. Metallkunde** **83** (1992) 17
- PARDO, J., RODRIGUEZ, V., LOPEZ, M. C., ROYO, F. M., URIETA, J. S. (Univ. Zaragoza, Fac. Cienc., Dept. Quim. Organ. Quim. Fis., E-50009 Zaragoza Spain) Excess molar volumes $V_m(E)$ of (an alkanol + another alkanol) or (hexane + an alkanol) or (an alkanediol + an alkanol or another alkanediol) at the temperature 303.15 K **J. Chem. Thermodyn.** **24** (1992) 113
- PERNICE, P., ARONNE, A., MAROTTA, A. (Dept. Mat. Prod. Engn., Piazzale Tecchio, I-80125 Naples Italy) The non-isothermal devitrification of lithium heptagermanate glass **Thermochim. Acta** **196** (1992) 1
- PERNY, G. S., MOODY, K. N. (Univ. coll. Swansea, Dept. Geog., Swansea SA2 8PP W Glam Wales) CsCl-CaCl₂ phase diagram **Thermochim. Acta** **198** (1992) 167
- PIEPER, B., DULFER, N., KILIAN, H. G., WOLFF, S. (Univ. Ulm, Exptl. Phys. Abt, Albert Einstein Allee 11, W-7900 Ulm Germany) Thermodynamics of swelling in unfilled and filler-loaded networks **Colloid Polym. Sci.** **270** (1992) 29
- PSARO, R., DOSSI, C., FUSI, A., DELLAPERGOLA, R., GARLASCHELLI, L., ROBERTO, D., SORDELLI, L., UGO, R., ZANONI, R. (Dip. chim. Inorgan. Metallorgan., Via Venezian 21, I-20133 Milan Italy) Surface organometallic chemistry. Physisorption and thermal decomposition of Ir₄(CO)₁₂ on silica **J. Chem. Soc. Faraday Trans.** **88** (1992) 369
- RATHKE, J. W., KLINGLER, R. J., KRAUSE, T. R. (Argonne Natl. Lab, Div. Chem. Technol., 9700 S Cas Ave, Argonne IL 60439 USA) Thermodynamics for the hydrogenation of dicobalt octacarbonyl in supercritical carbon dioxide **Organomet.** **11** (1992) 585
- READING, M., DOLLIMORE, D., WHITEHEAD, R. (ICI Paints, Res. Dept., Wexham 12d, slough England) The measurement of meaningful kinetic parameters for solid state decomposition reactions **J. Thermal Anal.** **37** (1991) 2165
- REDDY, G. O., RAVIKUMAR, K. S. (INBRI, PB No 397, Malleswaram Bangalore 560003 India) Thermal studies on the decomposition of 3,5-dinitrobenzoic acid and lead salts of 3,5-dinitrobenzoic acid **Thermochim. Acta** **198** (1992) 147
- ROBERTS, J. M., BERTMAN, S. B. (NOAA, Cooperat. Inst. Res. Environm. Sci., Boulder CO 80303 USA) The thermal decomposition of peroxyacetic nitric anhydride (PAN) and peroxy methacrylic nitric anhydride (MPAN) **Int. J. Chem. Kin.** **24** (1992) 297
- ROUSSEAU, S., ROULEAU, D., YERUSHALMI, L., MAYER, R. C. (Ecole Polytech., Dept. Chem. Engn., Montreal Quebec Canada H3C 3A7) Effect of temperature on fermentation kinetics of waste sulphite liquor by *saccharomyces cereviside* **J. Chem. Techn. Biotechn.** **53** (1992) 285
- RUGUNANAN, R. A., BROWN, M. E. (Rhodes Univ., Dept. Chem., Grahamstown 6140, South Africa) The use of pyrometry in the study of fast thermal processes involving initially solid samples **J. Thermal Anal.** **37** (1991) 2125

- SAKELLARIOU, P. (ICI PLC, Paints, Res. Ctr., Wexham Rd., Slough SL2 5DS, Berks England) Theta temperature of poly(N-vinyl pyrrolidone) in water **Polymer** **33** (1992) 1389
- SALUJA, P. P. S., LEMIRE, R. J., LEBLAND, J. C. (Aecl. Res., Whiteshell Labs, Res. Chem. Branch, Pinawa Manitoba Canada ROE 1LO) High-temperature thermodynamics of aqueous alkali-metal salts **J. Chem. Thermodyn.** **24** (1992) 181
- SANA, M., LEROY, G., HILALI, M., NGUYEN, M. T., VANQUICKENBORNE, L. G. (Catholic Univ. Louvain, Chim. Quant. Lab, PI L Pasteur 1, B-1348 Louvain Belgium) Heats of formation of isomeric [C, H₄, O] + bullet, [C, H₃, N] + bullet and [C, H₅, N] + bullet radical cations **Chem. Phys. Lett.** **190** (1992) 551
- SARANGI, B., SARANGI, A., MISRA, S., RAY, H. S. (Reg. Engn. Coll., rourkela 769008 Orissa India) Measurement of heats of solidification of eutectic alloys using differential thermal analysis **Thermochim. Acta** **196** (1992) 45
- SASSEN, C. L., CASIELLES, A. G., DELOOS, T. W., ARONS, J. D. (Delft Univ. Technol., Inorgan. Phys. Chem. Lab, Julianalaan 136, 2628 BI Delft Netherlands) The influence of pressure and temperature on the phase behaviour of the system H₂O + C₁₂ + C₇E₅ and relevant binary subsystems **Fluid Phase Eq.** **72** (1992) 173
- SAYED, M. B., IBRAHIM, E. H. M., ALEMADI, I. M. (Qatar Univ., Dept. Chem., Doha 2713 Qatar) Thermal decomposition stages of the azo linkages in novel azo phosphorus compounds. A correlative DTA study **Thermochim. Acta** **198** (1992) 21
- SCHREIBER, D. R., SCHREIBER, L. C. (Western Michigan Univ., Dept. Chem., Kalamazo, MI 49008 USA) Thermodynamic properties of transition metals in aqueous solution. 1. The enthalpies of dilution of some aqueous transition metal chloride solutions at 25-degrees-C **J. Solut. Chem.** **21** (1992) 249
- SCHULTZ, R. H., ARMENTROUT, P. B. (Univ. Utah, Dept. Chem., Salt Lake City, UT 84112 USA) Thermochemistry and structures of FeC₃H₆ + metallacycle and metal alkene isomers **Organomet.** **11** (1992) 828
- SCOTT, B., PRESSPRICH, M., WILLET, R. D., CLEARY, D. A. (Washington State Univ., Dept. Chem., Pullman WA 99164 USA) High temperature crystal structure and DSC of Sn₂P₂S₆ **J. Solid State Chem.** **96** (1992) 294
- SEDDON, A. B., HEMINGWAY, M. A. (Univ. Sheffield, Sch. Mat., Sheffield S10 2TZ England) Thermal properties of chalcogenide-halide glasses in the system Ge-S-I **J. Thermal Anal.** **37** (1991) 2189
- SEGAL, E., BREZEANU, M., BUJOREANU, V., GHEORGHIES, C. (Univ. Bucharest, Fac. Chem., Dept. Phys. Chem., Blvd. Republicii 13, Bucharest Romania) Kinetics of high temperature recrystallization of MnFe₂O₄ from wet reaction prepared powders **Thermochim. Acta** **196** (1992) 7
- SESTAKOVA, V., STEPANEK, B. (Czechoslovak Acad. Sci., Inst. Phys., Cukrovaricka 10, CS-16200 Prague 6 Czechoslovakia) Distribution coefficient of tellurium in GaSb single crystals **Thermochim. Acta** **198** (1992) 213
- SHALAEV, E. J., MALAKHOV, D. V., KAREV, A. N., KOSYAKOV, V. I., TUZIKOV, F. V., VARAKSIN, N. A., VARILIN, V. I. (NPO Vector, Koltsov 633159 USSR) Study of the phase diagram water fraction of the water glycine sucrose by DTA and X-ray diffraction methods **Thermochim. Acta** **196** (1992) 213
- SHARP, J. H., WILBURN, F. W., MCINTOSH, R. M. (Univ. Sheffield, Sch. Mat., Sheffield S10 2TZ England) The effect of procedural variables on TG, DTG and DTA curves of magnesite and dolomite **J. Thermal Anal.** **37** (1991) 2021
- SHIBANOV, V. V., MILYASHKEVICH, P. E. (Ukrainian Polygraph Inst., Lvov Ukraine USSR) Thermolysis of benzoyl-tret-butylperxymethanol **Ukr. Khim. Zh. SSSR** **57** (1991) 967

- SHOCK, E. L., OELKERS, E. H., JAHNSON, J. W., SVERJENSKY, D. A., HELGESON, H. C. (Univ. Calif. Berkeley, Dept. Geol. Geophys., Berkeley CA 94720 USA) Calculation of the thermodynamic properties of aqueous species at high pressures and temperatures. Effective electrostatic radii, dissociation constants and standard partial molal properties to 1000-degrees-C and 5 kbar **J. Chem. Soc.** **88** (1992) **803**
- SHUKLA, J. P., ARORA, S. K. (Bhabha Atom Res. Ctr., Div. Radiochem., Bombay 400085 India) Thermodynamics of acid proton dissociation of 5-hydroxy-1,4-naphthoquinone in dioxane water mixtures **Thermochim. Acta** **198** (1992) **33**
- SHUKLA, J. S., DIXIT, S. K. (Univ. Lucknow, Dept. Chem., Lucknow 226007 Uttar Pradesh India) Synthesis of some new wholly aromatic heat resistant polyhydrazides as possible polymers for membranes (desalination) **Eur. Polym. J.** **28** (1992) **199**
- SHUKLA, J. P., SHARMA, R. S. (Univ. Lucknow, Dept. Chem., Lucknow 226007 Uttar Pradesh India) Ligational behaviour of ethyltrifluoroacetate towards some tervalent lanthanons in aqueous dioxane mixture **Thermochim. Acta** **196** (1992) **155**
- SIMANOVICH, I. E., PETROPAVLOVSKII, G. A., LARINA, E. I., SAZANOV, Y. N., STEPANOV, N. G. (Acad. Sci. USSR, Inst. Macromol. Cpds, Moscow V-71 USSR) Thermal conversions of cellulose ethers **J. Appl. Chem. USSR** **64** (1991) **560**
- SIMON, P. (Slovak Tech. Univ., Fac. Chem. Technol., Dept. Phys. Chem., Radlinskeho 9, CS-81237 Bratislava Czechoslovakia) Kinetics of polymer degradation involving the splitting off of small molecules. 7. Thermooxidative dehydrochlorination of PVC **Polym. Degrad. Stabil.** **36** (1992) **85**
- SINGH, G., KAPOOR, I. P. S. (Univ. Gorakhpur, Dept. Chem., Gorakhpur 273009 India) Kinetics of thermolysis of ring-substituted arylammonium perchlorates **J. Phys. Chem.** **96** (1992) **1215**
- SINGH, N. B., GOTTIEB, M., HENNINGSEN, T., HOPKINS, R. H., MAZELSKY, R., SINGH, M., GLICKSMAN, M. E., PARADIES, C. (Westinghouse Elect. Corp., Ctr. Sci. Technol., Pittsburgh PA 15235 USA) Thermodynamic reactivity, growth and characterization of mercurous halide crystals **J. Cryst. Growth** **218** (1992) **78**
- SLANINA, Z. (Czechoslovak Acad. Sci., J Heyrovsky Inst. Phys. Chem. Electrochem., Dolejskova 3, CS-18223 Prague 8, Czechoslovakia) Multi-molecular clusters and their isomerism. 67. A computational evaluation of the thermodynamics of HCP(g) dimerization **Thermochim. Acta** **198** (1992) **45**
- SLANINA, Z. (Czechoslovak Acad. Sci., J Heyrovsky Inst. Phys. Chem. Electrochem., Dolejskova 3, CS-18223 Prague 8, Czechoslovakia) Multi-molecular clusters and their isomerism. 66. Hetero-trimers of HF and HCN substantial isomerism effects on thermodynamics **Thermochim. Acta** **198** (1992) **53**
- SLANINA, Z., IKUTA, S. (Czechoslovak Acad. Sci., J Heyrovsky Inst. Phys. Chem. Electrochem., Dolejskova 3, CS-18223 Prague 8, Czechoslovakia) ClHCl-(g). A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism **Thermochim. Acta** **196** (1992) **181**
- SORAI, M., KAJI, K., KANEKO, Y. (Osaka Univ., Fac. Sci., Microcal. Res. Ctr., Toyonaka Osaka 560 Japan) An automated adiabatic calorimeter for the temperature range 13 K to 530 K. The heat capacities of benzoic acid from 15 K to 305 K and of synthetic sapphire from 60 K to 505 K **J. Chem. Thermodyn.** **24** (1992) **167**
- STENINA, E. V., LAUSCHEVA, S. (MV Lomonosov State Univ., Moscow 117234 USSR) Temperature dependence of adsorption of a 2-dimensional condensed layer of 1-hydroxyadamantane on the mercury electrode **Soviet Electrochem.** **27** (1991) **788**
- SULEIMENOVA, G. S., SKORIKOV, V. M. (NS Kurnakov Gen. Inorgan. Chem. Inst.,

- Moscow USSR) Thermochemical study of gamma-bismuth oxide based single crystals **Thermochim. Acta** **196** (1992) 203
- SURENDRANATH, K. N., KRISHNAIAH, A., RAMAKRISHNA, M. (Sri Venkateswara Univ., Coll. Engn., Thermochem. Lab, Tirupati 517502 Andhra Pradesh India) Thermodynamics of binary mixtures containing cyclic ethers. 3. Excess enthalpies of oxalane and 1,4-dioxane with chloroethanes and chloroethenes **Fluid Phase Eq.** **71** (1992) 169
- SZUSZKIEWICZ, W. (Acad. Econ. Wroclaw, Fac. Engn. Econ., Dept. Inorgan. Chem., 118-120 Komandorska, PL-53345 Wroclaw Poland) Phase equilibria in the system $\text{YPO}_4\text{-NaPO}_3$ **Thermochim. Acta** **198** (1992) 97
- TAE, G. P., HOFFMAN, A. S. (Univ. Washington, Ctr. Bioengn., FL-20, Seattle WA 98195 USA) Preparation of large, uniform size temperature-sensitive hydrogel beads **J. Polym. Sci. A** **30** (1992) 505
- TALLEY, P. K., SANGSTER, J., PELTON, A. D., BALE, C. W. (Ecole Polytech., Ctr. Res. Computat. Thermochem., POB 6079, STN A, Montreal Quebec Canada H3C 3A3) Prediction of vapor-liquid equilibria and thermodynamic properties for a quinary hydrocarbon system for optimized binary data using the Kahler method **Calphad** **16** (1992) 93
- TAMURALIS, W., LIS, L. J., QUINN, P. J. (16006 Arbor str., Omaha NE 68130 USA) Thermodynamic characterization of phospholipids dispersed in ethylammonium nitrate (a fused salt) **J. Coll. Interface Sci.** **150** (1992) 200
- TANAKA, S. (Natl. Chem. Lab, Ind., 1-1 Higasi Tsukuba, Ibaraki 305 Japan) Theory of a heat conduction calorimeter for scanning. 1. Uniform temperature and reactant concentration **Thermochim. Acta** **198** (1992) 103
- TANIEWSKAOSINSKA, S., NOWICKA, B., PIETRZAK, A. (Univ. Lodz, Dept. Phys. Chem., Pomorska 18, PL 91416 Lodz Poland) Correlation of transfer enthalpies of Ph_4PCl from water to water organic mixtures with parameters describing organic cosolvent properties **Thermochim. Acta** **196** (1992) 125
- TANIMOTO, Y., SAMEJIMA, N., TAMURA, T., HAYASHI, M., KITA, A., ITAH, M. (Hiroshima Univ., Fac. Sci., Dept. Chem., Hiroshima Univ., Fac. Sci., Dept. Chem., Hiroshima 724 Japan) Temperature dependence of lifetime of chain-linked biradicals **Chem. Phys. Lett.**, **188** (1992) 446
- TEICA, D., PATRON, L., PLOSTINARU, S., SEGAL, E. (Univ. Bucharest, Fac. Chem., Dept. Phys. Chem., Blvd. Republicii 13, Bucharest Romania) On the thermal stability and non-isothermal decomposition kinetics of some lanthanum coordination compounds **Thermochim. Acta** **196** (1992) 15
- TOSCANI, S., DUGUE, J., CEOLIN, R. (Fac. Sci. Pharmaceut. Biol. Paris, Chim. Min. Struct. Lab, CNRS, Ura 200, 4 Ave Observ., F-75270 Paris 06 France) A new insight into phase separation in the As-Te glasses from the (p, T) phase diagram of As_2Te_3 **Thermochim. Acta** **196** (1992) 191
- TOWNSEND, I. (Smithkline Beecham Pharmaceut., Clarendon 12d., Worthing BN14 8QH W Sussex England) A basic strategy for the thermal stability assessment of pharmaceutical synthetic intermediates and products **J. Thermal Anal.** **37** (1991) 2031
- TSAI, H. B., LEE, C., CHANG, N. S. (Ind. Technol. Res. Inst., Union Chem. Labs, 321 Kuang Fn Rd., Sec. 2., Hsinchu 30042 Taiwan) Synthesis and thermal properties of thermotropic block copolyetheresters **Polym. J.** **24** (1992) 157
- TURKOVIC, A., IVANDA, M. (Rudjer Boskovic Inst., POB 1016, YU-41101 Zagreb Yugoslavia) Thermally stimulated currents and raman spectroscopy of TiO_2 intercalation electrode for $\text{Ag}/\text{AgI}/\text{TiO}_2$ thin film cell **Solid State Ionics** **50** (1992) 159
- VANLEERDAM, G. C., BRONGERSMA, H. H., TIJBUNG, I. I. M., GENS, J. W. (Eindhoven Univ. Technol., Fac. Phys., POB 513, 5600 MB Eindhoven Netherlands) The thermostabilizing effect of lan-

- thanum on γ -Al₂O₃ studied by low-energy ion scattering **Appl. Surf. Sci.** **55** (1992) 11
- VAYSSILOV, G., TSEKOV, R. (Univ. Sofia, Fac. Chem., BU-1126 Sofia Bulgaria) Temperature dependence of the rate constant for dissociation of adsorbed molecules **Chem. Phys. Lett.** **188** (1992) 497
- VILENSKII, V. A., KOSTYUK, L. I., SHTOMPPEL, V. I., LIPATUIKOV, Y. N., LEBEDEV, Y. V., SHANDRUK, M. I., IKERCHA, Y. Y. (Acad. Sci. UKSSR, Inst. Macromolek. Cpd. Chem., Kiev Ukraine USSR) Influence of the concentration of γ -aminopropyltriethoxysilane on the structure and thermophysical properties of fitted polyurethanes **Vysokomol. Soedin. Ser. A SSSR** **33** (1991) 2452
- VOS, A., MULLENS, J., CARLEER, R., YPERMAN, J., VANHEES, J., VANPOUCKE, L. C. (Limburg State Univ. Ctr., Inst. Mat. Res., Inorgan. Phys. Chem. Lab, B-3590 Diepen beek Belgium) The use of thermal analysis for the study of the calcination process of oxalate precursors for the synthesis of high TC superconductors **Bull. Soc. Chim. Belges** **101** (1992) 187
- WADA, Y., MATSUBARA, T. (Shionogi Co. Ltd., shionogi Res. Lab, 5-12-8 Sagisu, Fukushima Ku, Osaka 553 Japan) Pseudopolymorphism and crystalline transition of magnesium stearate **Thermochim. Acta** **196** (1992) 63
- WADI, R. K., GOYAL, R. K. (Univ. Delhi, Dept. Chem., Delhi 110007 India) Temperature dependence of apparent molar volumes and viscosity B-coefficients of amino acids in aqueous potassium thiocyanate solutions from 15 to 35-degrees-C **J. Solut. Chem.** **21** (1992) 163
- WANG, Z. Y., HAY, A. S. (McGill Univ., Dept. Chem., 801 Sherbrooke St W, Montreal Quebec Canada H3A 2K6) Thermolysis of diaryl disulfides. A new route to poly (arylene sulfide)s **Macromol. Chem.** **54** (1992) 247
- WARGO, M. J., WITT, A. F. (MIT, Cambridge MA 02139 USA) Real time thermal imaging for analysis and control of crystal growth by the Czochralski technique **J. Cryst. Growth** **116** (1992) 213
- WATABE, K., KANDA, H., STO, K., HOBO, T. (Tokyo Metropolitan Univ., Fac. Technol., Ind. Analyt. Chem. Lab, 1-1 Minamioshawa, Hachiohji Shi, Tokyo 19203 Japan) High-temperature continuous counter-current gas liquid chromatography **J. Chromatogr.** **590** (1992) 289
- WHITE, R. L., JIU, A. (Univ. Oklahoma, Dept. Chem. Biochem., Norman OK 73019 USA) Variable-temperature diffuse reflectance infrared studies of calcium oxalate monohydrate **Appl. Spectr.** **46** (1992) 93
- WIECZOREK, S. A. (Polish Acad. Sci., Inst. Phys. chem., PL-01224 Warsaw Poland) Thermodynamics of aqueous mixtures of polyoxyethylene glycol monoethers. 2. Excess molar volumes of (normal-hexyl trioxyethylene glycol monoether + water) **J. Chem. Thermodyn.** **24** (1992) 129
- WILBURN, F. W., SHARP, J. H., TINSLEY, D. M., MCINTOSH, R. M. (Univ. Sheffield, Sch. Mat., Sheffield S10 2TZ England) The effect of procedural variables on TG, DTG and DTA curves of calcium carbonate **J. Thermal Anal.** **37** (1991) 2003
- YOUNG, G. L., MCDONALD, K. A., PALAZOGLU, A., FORD, W. (Univ. Calif. Davis, Dept. Chem. Engn., Davis CA 95616 USA) Thermal modelling of Bridgman Crystal growth using a boundary element approach **J. Cryst. Growth** **118** (1992) 193
- YU, Y. F., WNG, S. W., MA, H. Z., YE, Z. W. (Anhui Normal Univ., Inst. Organ. Chem., Wuhu 241000 Peoples R China) Synthesis and thermal stability of pyrrolyl complexes of some lanthanides **Polyhedron** **11** (1992) 265
- ZEZIN, A. A., FELDMAN, V. I., SUKHOV, F. F. (LY Karpov Phys. Chem. Res. Inst., Moscow USSR) Mechanism of energy transfer and radical formation in + low-temperature alkene-aromatic glasses **Khim. Fiz.** **11** (1992) 99

- ZINGEL, E. M. (State Pedagog Inst., Novosibirsk USSR) Effects of electric fields on the thermal decomposition of solids *Thermochim. Acta* **198** (1992) **191**
- ZOTOV, N., PETROV, K., HRISOV, S. (Bulgarian Acad. Sci., Inst. Appl. Mineral, Rakovski st. 92, BU-1000 Sofia Bulgaria) Non-linear compositional dependence of the thermal stability of copper cobalt hydroxide nitrates *Thermochim. Acta* **198** (1992) **61**