

Bibliography Section

- AGARI, Y., VEDA, A. (Osaka Municipal Tech. Res. Inst., Dept. Plast., 6-50 1-Chome, Ioto ku, Osaka 536, Japan) Thermal conductivity of poly(vinyl chloride) polycaprolactone blends **J. Polym. Sci. B-Polym. Phys.** **32 (1994) 59**
- ANDRAE, H., BLACHNIK, R. (Univ. Osnabruck, P.O.B. 4469, D-49069, Osnabruck, Germany) Solid solutions of the argyrodite type **J. Thermal Anal.** **39 (1993) 1031**
- ARNOLD, F. E., HARRIS, F. W., CHENG, S. Z. D. (Univ. Akron, coll. Polymer Sci. & Polymer Engn., Inst. Polymer Sci., Akron, OH, 44325, U.S.A.) Thermal dynamic relaxation and enthalpy distribution of an aromatic polyimide film: 6FDA-PFMB **Thermochim. Acta** **226 (1993) 15**
- BABICH, M. W., HWANG, S., MOUNTS, R. D. (Florida Inst. Technol., Dept. Chem., Melbourne, FL., U.S.A.) DSC studies of new energy storage materials. 2. New materials and bulk studies **Thermochim. Acta** **226 (1993) 163**
- BAJAJ, P., GOYAL, M., CHAVAN, R. B. (Indian Inst. Technol., Dept. Text. Technol., New Delhi, 110016, India) Thermal behavior of methacrylic acid ethyl acrylate copolymers **J. Appl. Polym. Sci.** **51 (1994) 423**
- BALEK, V., BECKMAN, I. N., ZHELEZNOV, A. V. (Nucl. Res. Inst., CS-25068, Rez., Czech Republik) Evaluation of thermal analysis experimental data. 2. Optimal conditions for evolved gas analysis of thermal decomposition of solids **J. Thermal Anal.** **39 (1993) 1019**
- BAO, Q. B., BAGGA, C. S. (Howmed, 309 Vet blvd., Rutherford, N.J. 07070, U.S.A.) The dynamic mechanical analysis of hydrogel elastomers **Thermochim. Acta** **226 (1993) 107**
- BARBIERI, L., LEONELLI, C., MANFREDINI, T., ROMAGNOLI, M., PELLACANI, G. C., SILIGARDI, C. (Univ. Modena, Dept. Chem., Via Campi 183, I-41100, Modena, Italy) Non-isothermal kinetic equations applied to crystallization of glasses **Thermochim. Acta** **227 (1993) 125**
- BARONE, G., DEWECCHIO, P., FESSAS, D., GIANCOLA, C., GRAZIANO, G. (Univ. Federico II., Dipartimento Chim., Via Mezzacannone 4, I-80134, Naples, Italy) The deconvolution of multi-state transition DSC curves of biological macromolecules: Bovine serum albumin and bovine seminal ribonuclease **Thermochim. Acta** **227 (1993) 185**
- BARONE, G., DELVECCHIO, P., BIANCOLA, C., GRAZIANO, G. (Univ. Federico II., Dipartimento Chim., Via Mezzocannone 4, I-80134, Naples, Italy) Excess enthalpies of N-acetylglycineamide and N-acetyl-L-leucineamide in concentrated aqueous solutions of tetramethylurea **Thermochim. Acta** **227 (1993) 67**
- BERBENNI, V., MARINI, A., MAS-SAROTTI, V., CAPSONI, D., RIC-

- CARDI, R., BRUNI, G. (Univ. Pavia, Dipartimento Chim. Fis., Viale Taramelli 16, I-27100, Pavia, Italy) Thermal characterization of the system sulfur-boron sulfide **J. Thermal Anal.** **39** (1993) 1091
- BEYER, L., SORGE, C., SCHULTEN, H. R. (Christian Albrechts Univ. Kiel, Inst. Plant Nutr. & Soil Sci., Olshansenstr. 40-60, D-24118, Kiel 1, Germany) Studies on the composition and formation of soil organic matter in terrestrial soils by wet-chemical methods and pyrolysis-field ionization mass spectrometry **J. Anal. Appl. Pyrol.** **27** (1993) 169
- BRANDA, F., CONSTANTINI, A., SCARDI, P., TOMASI, A. (Ateneo Federico II, Dipartimento Ingn. Mat. & Prod., Naples, Italy) Thermal expansion behaviour of glass ceramics, derived from prophyric sands **Thermochim. Acta** **227** (1993) 43
- BRUNACCI, A., YIN, J., PEDEMONTE, E., TURTURRO, A. (Univ. Genoa, Inst. Chim. Ind., Corso Europa 30, I-16132, Genoa, Italy) A study on polymer-polymer interactions through mixing calorimetry **Thermochim. Acta** **227** (1993) 117
- BUDRUGEAC, P., SEGAL, E. (I.C.P.E. Bucharest, Bd. T. Vladimirescu 45-47, R-79623, Bucharest, Romania) Some problems concerning the compensation effect in the kinetics of the thermal degradation of polymers **J. Thermal Anal.** **39** (1993) 1199
- CABALLERO, J. A., FONT, R., MARCILLA, A., GARCIA, A. N. (Univ. Alicante, Dept. Ingn. Quim., Apartado 99, Alicante, Spain) Flash pyrolysis of Klason lignin in a pyroprobe 1000 **J. Anal. Appl. Pyrol.** **27** (1993) 221
- CALAMINUS, B., TRONVE, G., DELFOSSE, L. (Ecole Natl. Super. Chim., Gest. Risques & Environm., 25 Rue Chemnitz, F-68200, Mulhouse, France) Experimental study of the quantitative conversion of hexachlorobenzene during high temperature pyrolysis **J. Anal. Appl. Pyrol.** **27** (1993) 281
- CHANG, Y., ZHANG, Z. (Acad. Sinica, Inst. Chem., Geijing 100080, Peoples R. China) Investigation of the β -modification of AGFA-10 **J. Thermal Anal.** **39** (1993) 1193
- CHANG, Y. C. (Univ. Maryland, Dept. Chem. Engn., Coll PK, MD, 20742, U.S.A.) Thermophoretic deposition of airborne particles in an annular flow: Experiments and simulations **Thermochim. Acta** **226** (1993) 239
- CHOPPIN, G. R. (Florida State Univ., Dept. Chem., Tallahassee, FL, 32306, U.S.A.) The thermodynamics of lanthanide aminopolycarboxylate complexation **Thermochim. Acta** **227** (1993) 1
- CESARO, A., NAVARINI, L., PEPI, R. (Univ. Trieste, Dept. Biochem. Biophys. & Macromolec. Chem., I-34127, Trieste, Italy) A modulated DSC analysis of microbial biocompatible polyesters **Thermochim. Acta** **227** (1993) 157
- CESARO, A., CUMANI, J., GECIOVA, R., MICHELAZZO, F. (Univ. Trieste, Dept. Biochem. Biophys. & Macromolec. Chem., I-34127, Trieste, Italy) A calorimetric study of cooperative phase equilibria in microbial polysaccharides **Thermochim. Acta** **227** (1993) 167
- CIAMBELLI, P., DIPIETRO, A., PALMA, V., VACCARO, S. (Univ. Salerno, Dipartimento Ingn. Chim. & Alimentare, Via Ponte Don Melillo, I-84084, Fisciano, Italy) Characterization of the catalytic oxidation of carbon black by TPD **Thermochim. Acta** **227** (1993) 19
- COETZEE, A., EVE, D. J., BROWN, M. E. (Rhodes Univ., Dept. Chem., Grahamstown 6140, South Africa) Thermal analysis of some mixed metal oxalates **J. Thermal Anal.** **39** (1993) 947
- COHEN, Y., AIZENSHTAT, Z. (Hebrew Univ. Jerusalem, Israel) Isothermal fluidized-bed studies on the kinetics and

- pyre-products of linear and branched poly (p-phenylene sulfide) and proposed mechanisms *J. Anal. Appl. Pyrol.* **27** (1993) 131
- CORRIU, R., LECLERQ, D., MUTIN, P. H., SAMSON, H., VIOUX, A. (Univ. Montpellier 2, V.M.R. 44, Case 007, Pl. Eugene Bataillon, F-34095, Montpellier 5, France) Thermal isomerization of alternating silphenylene-siloxane copolymer *J. Polym. Sci. A-Polym. Chem.* **32** (1994) 187
- COSTA, G. A., KAISER, E. (Univ. Genoa, Inst. Chim. Fis., Corso Europa 26, I-16132, Genoa, Italy) Structural and thermal properties in Gd-Y magnetic alloys *Thermochim. Acta* **227** (1993) 107
- DELLAGLI, G., GRIPPO, S. M., MASCOLO, G. (Univ. Cassino, Dipartimento Ingn. Ind., Via Zamosch 43, I-03043, Cassino, Italy) Thermal behaviour of (NH₄)₂V₆O₁₆ prepared by hydrothermal crystallization *Thermochim. Acta* **227** (1993) 197
- DIFFALAH, M., DEMONT, P., LACABANNE, C. (Univ. Paul Sabatier, Phys. Solides Lab., C.N.R.S., U.R.A. 74, F-31062, Toulouse, France) Thermally stimulated creep (TSCr) study of polyamide 66 and polyamide 66/EPR blends *Thermochim. Acta* **226** (1993) 33
- DILIELLO, V., MARTUSCELLI, E., MUSTO, P., RAGOSTA, G., SCARINZI, G. (CNR, Inst. Res. & Technol. Plast. Mat., Via Toinao 6, I-80072, Arco, Italy) Toughening of highly crosslinked thermosetting resins by blending with thermoplastic polyether imide *Angew. Makromol. Chem.* **213** (1993) 93
- DOSSER, L. R., PICKARD, J. M. (EG & G Mound Appl. Technol., Miamisburg, CH, 45343, U.S.A.) Application of isothermal calorimetry and UV spectroscopy for stability monitoring of pentaerythritol tetrani-
trate *Thermochim. Acta* **226** (1993) 187
- DROUET FLEURIZELLE, L., GILLEREAN, D., LACABANNE, C. (Paul Sabatier Univ., Solid State Phys. Lab., U.R.A. 74, 118 Route Narbonne, F-31062, Toulouse, France) DSC and TSC studies of polyurethane mono- and bilayer paints *Thermochim. Acta* **226** (1993) 43
- DUBEY, V., SHRIVASTAVA, R. K., TRIPATHI, D. N., SEMWAL, R. P., GANDHE, B. R., VAIDYANATHASWAMY, R. (Def. Res. & Dev. Estab., gwalior 474002, India) Studies on the thermal degradation of butyl rubber *J. Anal. Appl. Pyrol.* **27** (1993) 207
- DUBRAWSKI, J. V., ENGLAND, B. M. (B.H.P., Res. Newcastle Labs, P.O.B. 188, Wallsend, NSW 2287, Australia) Thermal transformations of some Strontiumbearing aragonites *J. Thermal Anal.* **39** (1993) 987
- DUNN, J. G., MACKEY, L. C. (Curtin Univ. Technol., Sch. Appl. Chem., Perth, WA, Australia) TG-DTA studies of pyrite, pyrrhotite, pentlandite and violarite under ignition conditions *J. Thermal Anal.* **39** (1993) 1255
- DYSZEL, S. M. (U.S. Customs Serv., 1301 Constitut. Ave, NW, RM 7113, Washington, DC, 20229, U.S.A.) Characterization of peanuts by DSC for country of origin *Thermochim. Acta* **226** (1993) 265
- FONT, R., MARCILLA, A., DEVESA, J., VERDU, E. (Univ. Alicante, Dept. Chem. Engn., Apartado 99, Alicante, Spain) Kinetic study of the flash pyrolysis of almond shells in a fluidized bed reactor at high temperatures *J. Anal. Appl. Pyrol.* **27** (1993) 245
- GALLGHER, P. K., CHAO, P. T., ZHONG, L., SUBRAMANIAN, J. (Ohio State Univ., Dept. Chem., Columbus, OH 43210, U.S.A.) The thermal decomposition of precipitates and physical mixtures

- of nickel-cobalt oxalate dihydrates **J. Therm. Anal.** **39** (1993) 975
- GELIN, F., GATELLIER, J. P. L. A., DAMSTE, J. S. S., METZGER, P., DERENNE, S., LARGEAN, C., DELEEUW, J. W. (Netherlands Inst. Sea Res., Div. Marine Biogeochem., P.O.B. 59, 1790 Ab Den Burg, Netherlands) Mechanisms of flash pyrolysis of ether lipids isolated from the green microalga *Botryococcus brannii* race A **J. Anal. Appl. Pyrol.** **27** (1993) 155
- GIBSON, J. K., STUMP, N. A. (Oak Ridge Natl. Lab., Div. Chem., Oak Ridge, TN, 37831, U.S.A.) Spectroscopic investigation of the thermal decomposition of europium oxalate **Thermochim. Acta** **226** (1993) 301
- GUPTA, A. K., CHOUDHARY, M. S., VARMA, I. K. (Indian Petrochem. Corp. Ltd., Res. Ctr., Po. Petrochem., Vadodara, 391346, India) Copolyimides-thermal and mechanical properties **Angew. Makromol. Chem.** **213** (1993) 1
- HANDA, Y. P., CAPOWSKI, S., ONEILL, M. (Natl. Res. Council Canada, Inst. Environm. Chem., Ottawa K1A 0R6, ON, Canada) Compressed-gas-induced plasticization of polymers **Thermochim. Acta** **226** (1993) 177
- HICKEY, G. S., SHARMA, P. K. (Caltech, Jet Prop. Lab., 4800 Oak Grove Dr., Pasadena, CA, 91109, U.S.A.) Selective molecular sorption by high surface area catalyst supports **Thermochim. Acta** **226** (1993) 333
- HIGASHI, F., ZHANG, W. X., HAKAJIMA, K. (Tokyo Univ. Agr. & Technol., Dept. Chem. & Biol. Sci. & Technol., Koganei, Tokyo 184, Japan) Thermotropic copolyamides from triethyleneglycol bis(4-carboxyphenyl)ether and 2 kinds of aromatic diamines **J. Polym. Sci. A-Polym. Chem.** **32** (1994) 89
- HILTZ, J. A., MORCHAT, R. M., KEONGH, I. A. (Def. Res. Estab., Atlantic Dockyard Lab., Bldg. D-17, FMO, Halifax 83K 2X0, NS, Canada) A DMTA study of the fuel resistance of elastomers **Thermochim. Acta** **226** (1993) 143
- JIMENEZ, A., BERENGUER, V., LOPEZ, J., SANCHEZ, A. (Univ. Alicante, Div. Analyt. Chem., Alicante, Spain) Thermal degradation study of poly(vinyl chloride)-kinetic analysis of thermogravimetric data **J. Appl. Polym. Sci.** **50** (1993) 1565
- JIN, Y. M., WUNDERLICH, B. (Oak Ridge Natl. Lab., Div. Chem., Oak Ridge, TN, 37831, U.S.A.) Single-run heat capacity measurement by DSC: Principle, experimental and data analysis **Thermochim. Acta** **226** (1993) 155
- KENNY, J. M., MAFFEZZOLI, A., NICOLAIS, L. (Univ. Catania, Fac. Ingn., Ist. Chim., V.le a Doria 6, I-95125, Catania, Italy) A new kinetic model for polymer crystallization derived by calorimetric analysis **Thermochim. Acta** **227** (1993) 83
- KENNY, J. M., TORRE, L., NICOLAIS, L. (Univ. Catania, Fac. Ingn., Ist. Chim., V.le a Doria 6, I-95125, Catania, Italy) Short- and long-term degradation of polymer-based composites **Thermochim. Acta** **227** (1993) 97
- KIM, W. N., PARK, C. E., BURNS, C. M. (Univ. Waterloo, Inst. Polymer Res., Dept. Chem. Engn., Waterloo, N2L 3G1, ON, Canada) Thermal behavior and morphology of rubber-modified epoxies **J. Appl. Polym. Sci.** **50** (1993) 1951
- KNAPPE, S., URSO, C. (Netzch Gerätebau GmbH, P.O.B. 1460, W-8672, Selb, Germany) Applications of thermal analysis in the rubber industry **Thermochim. Acta** **227** (1993) 35

- LAHAV, N., LACHER, M., YARIV, S. (Hebrew Univ. Jerusalem, Seagram Ctr. Soils & Water Res., IL-91904 Jerusalem, Israel) Infrared study of the effects of thermal treatment on montmorillonite benzidine complexes. 3. Mg-Montmorillonite, Ca-Montmorillonite and Al-Montmorillonite *J. Thermal Anal.* **39** (1993) 1233
- LANGIERKUZMIAROWA, A. (Stateet Geol. Inst., Warsaw, Poland) Evolution of the approach to thermal studies of clays *J. Thermal Anal.* **39** (1993) 1169
- LAUS, M., ANGELONI, A. S., GALLI, G., CHIELLINI, E. (Univ. Pisa, Dipartimento Chim. & Chim. Ind., Via Risorgimento 35, I-56126, Pisa, Italy) Thermal and biphasic behaviour of a side-chain smectic polyacrylate *Thermochim. Acta* **227** (1993) 49
- LEBEDEV, B. V., SMIRNOVA, N. N., KIPARISOVA, E. G., FAMINSKII, D. G., VASILEV, V. G., VASILENKO, V. F. (Lobachevskii State Univ., Inst. Chem., Pr. Gagarina 23, Nishnii Novgorod 603600, Russia) Thermodynamics of polypentene-1 formation, polymerization of pentene-1 and monomer-isomerization of cis-pentene-2 and trans-pentene-2 to polypentene-1 at O-K-500-K *Vysokomol. Soedin.* **35** (1993) A1951
- LEE, M. H., HAN, D. H., CHO, B. K. (Yeungnam Univ., Dept. Chem. Engr., Gyongsan, South Korea) The temperature dependence of the Doolittle equation parameter for polymer liquids *J. Appl. Polym. Sci.* **50** (1993) 1803
- LI, X. G., HUANG, M. R., LIN, G., YANG, P. C. (Tianjin Inst. Text. Sci. & Technol., Ctr. Membrane Separat. Engr., Tianjin 300160, Peoples R. China) Composition and temperature effects on air separation through liquid crystalline alkyl cellulose membranes *J. Appl. Polym. Sci.* **51** (1994) 743
- MAI, K. C., ZHANG, M. Q., ZENG, H. M., QI, S. C. (Zhongshan Univ., Inst. Mat. Sci., Canton 510275, Peoples R. China) Double melting phenomena of polyphenylene sulfide and its blends *J. Appl. Polym. Sci.* **51** (1994) 57
- MARTINEZ, J. J., LACABANNE, C. (Paul Sabatier Univ., Solid State Phys. Lab., C.N.R.S., U.R.A. 74, F-31062, Toulouse, France) Thermally-stimulated creep spectroscopy in the study of physicochemical ageing of LDPE *Thermochim. Acta* **226** (1993) 51
- MATUSCHEK, G., OHRBACH, K. H., KETTRUP, A. (G.S.F. Munich, Umwelt & Gesundheit Inst. Forschungszentrum Ökolog. Chemie, Ingolstadter Landstr. 1, W-8042, Neuherberg, Germany) Simultaneous thermal analysis mass spectrometry of commercial organophosphorus pesticide compounds *J. Thermal Anal.* **39** (1993) 1141
- MCINTYRE, F., HANSON, C., MATTHIESEN, A., IBAR, J. P. (Solomat Ta. Instrumentat., Stamford, CT., U.S.A.) A study of the curing process of paint on metal utilizing thermal stimulated current (TSC) and relaxation map analysis (RMA) *Thermochim. Acta* **226** (1993) 133
- MEHL, P. M. (Amer. Red. Cross, Holland Lab. Biomed. R & D, 15601 Crabbs Branch Way, Rockville, MD, 20855, U.S.A.) The isothermal relaxation of the glassy state of 60% w/w ethylene glycol in water: A possible nucleation process below the glass transition *Thermochim. Acta* **226** (1993) 27
- MEHL, P. M. (Amer. Red. Cross, Holland Lab. Biomed. R & D, 15601 Crabbs Ranch Way, Rockville, MD, 20855, U.S.A.) The effect of the functional groups of organic solutes on the suppression of crystallization in aqueous solutions *Thermochim. Acta* **226** (1993) 325
- MOHAMED, M. A., HALAWY, S. A., EBRAHIM, M. M. (Fac. Sci. Qena,

- Dept. Chem., Qena, Egypt) Non-isothermal decomposition of nickel acetate tetrahydrate *J. Anal. Appl. Pyrol.* **27** (1993) 109
- MOHAMED, M. A., SALEM, M. A. (Fac. Sci. Qena, Dept. Chem., Qena, Egypt) The use of ESR in studying the reduction process ($\text{Fe}^{3+} \rightarrow \text{Fe}^{2+}$) during the isothermal decomposition of ferric oxalate hydrate *J. Anal. Appl. Pyrol.* **27** (1993) 275
- MONTANARO, L., PAGLIOLICO, S., NEGRO, A. (Politecn. Turin, Dipartimento Sci. Mat. & Ingn. Chim., Corsa Duca Abruzzi 24, I-10129, Turin, Italy) Durability of cordierite honeycomb structure for automotive emissions control *Thermochim. Acta* **227** (1993) 27
- MORGUESMARTIN, M., BERNES, A., LACABANNE, C. (Univ. Paul Sabatier, Phys. Solides Lab., CNRS, VRA 74, F-31062, Toulouse, France) Dielectric relaxation phenomena in PEEK *Thermochim. Acta* **226** (1993) 7
- MORRIS, R. M. (Univ. Durban Westville, Dept. Chem. Engn., Private Bag X54001, Durban 4000, South Africa) Effect of particle size and temperature on evolution rate of volatiles from coal *J. Anal. Appl. Pyrol.* **27** (1993) 97
- MUKHERJEE, A., BISWAS, M. (Indian Inst. Technology, Dept. Chem., Kharagpur 721302, W. Bengal, India) Thermal characteristics of iron(III), cobalt(II) and copper(II) complexes of dipyritylamine anchored on polystyrene divinylbenzene copolymer *J. Appl. Polym. Sci.* **50** (1993) 1485
- MURAKANNI, Y., HAYASHIDA, O., ONO, K., HISAEDA, Y. (Kyushu Univ., Fac. Engn., Dept. Chem. Sci. & Technol., Higashi Ku, Fukuoka 812, Japan) Thermodynamical and geometrical characterization of molecular recognition by cage-type and peptide azapava-cyclophanes in aqueous media *Pure Appl. Chem.* **65** (1993) 2319
- NOMAKI, T., YAMANAKA, A., SASAKI, H., NAITO, K. (Toshiba Co. Ltd., Toshiba Res. & Dev. Ctr., 1 Komukai Toshiba Cho, Saiwai Ku, Kawasaki 210, Japan) DSC studies on cadmium-stearate Langmuir-Blodgett films formed on Au/SiO₂ *Nippon Kagaku Kaishi* **12** (1993) 1349
- OLDLYHA, M., CRAIG, D. Q. M., HILL, R. M. (Univ. London, Birkbeck Coll., Dept. Chem., Gordon House, 29 Gordon Sq., London WC1H 0PP, England) Dielectric analysis of relative humidity variations in canvas paintings *J. Thermal Anal.* **39** (1993) 1181
- OZAWA, T. (Daicel Chem. Ind. Ltd., Tsukuba Res. Ctr., Tsukuba 305, Japan) Non-isothermal kinetics of parallel competitive reactions with the same mechanism *J. Thermal Anal.* **39** (1993) 1117
- PALANDRI, A., GILOT, P., PRADO, G. (Ecole Natl. Super. Chim., Gest. Risques & Environm. Lab., 25 Rue Chemnitz, F-68200, Mulhouse, France) A kinetic study of the decarbonation of CaCO₃ *J. Anal. Appl. Pyrol.* **27** (1993) 119
- PASHKOVSKY, E. E., LITVINA, T. G., GRIGORIEV, A. I., VOLKOV, A. Y., TENKOVTSSEV, A. V., PIRANER, O. N. (St. Petersburg Acad. Sci., Inst. Macromolec. Cpds., Bolshoi 31, St. Petersburg 199004, Russia) Non-equilibrium thermal behaviour of 2 main-chain thermotropic polymers *Polymer* **34** (1993) 4898
- PATTERSON, G. H., RIGA, A. T. (Lubrizol Corp., 29400, Lakeland blvd., Wickliffe, OH, 44092, U.S.A.) Factors affecting oxidation properties in differential scanning calorimetric studies *Thermochim. Acta* **226** (1993) 201
- PAULIK, F., ARNOLD, M. (Tech. Univ. Budapest, Inst. Gen. & Analyt. Chem., H-1521, Budapest, Hungary) Simultaneous TG, DTA and EGA technique for the

- determination of carbonate, sulphate, pyrite and organic material in minerals, soils and rocks. 4. Reproducibility and accuracy of the determination of sulphur trioxide and carbon dioxide *J. Thermal Anal.* **39** (1993) 1079
- PENN, J. J., PAROLI, R. M. (Seiko Instruments. U.S.A. Inc. 981 Busse Rd., Elk Grove Village, IL, 60007, U.S.A.) Evaluating the effects of aging on the thermal properties of EPDM roofing materials *Thermochim. Acta* **226** (1993) 77
- PEREZMAGUEDA, L. A., PEREZRODRIGUEZ, J. L., SCHEIFFELE, G. W., JUSTO, A., SANCHEZSOTO, P. J. (C.S.I.C., Ctr. Mixto Univ. Sevilla, Inst. Ciencia Mat., APDO 1115, E-41080, Sevilla, Spain) Thermal analysis of ground kaolinite and pyrophyllite *J. Thermal Anal.* **39** (1993) 1055
- PERROT, A., DUBOIS, J. M. (Ecole Mines Nancy, Sci. & Genie Mat. Met. Lab., CNRS, URA 159, Parc Saurupt, F-54042, Nancy, France) Heat diffusivity in quasicrystals and related alloys *Ann. Chim.-Sci. Mat.* **18** (1993) 501
- PRADERIO, G., SCHIRALDI, A., SORLINI, C., STASSI, A., ZANARDINI, E. (Univ. Milan, Dept. Food Sci. & Microbiol., I-20133, Milan, Italy) Microbiological and calorimetric investigation on degraded marbles from the Ca d'Oro facade (Venice) *Thermochim. Acta* **227** (1993) 205
- PUCCIARIELLO, R., VILLANI, V. (Univ. Basilicata, Dipartimento Chim., Via N Sauro 85, I-85100, Potenza, Italy) Room-temperature transitions and melting of tetrafluoroethylene-hexafluoropropylene copolymers with low comonomer contents *Thermochim. Acta* **227** (1993) 145
- QUINTANA, J. R., SALAZAR, R., KATIME, I. (Univ. Pais Vasco, Fac. Ciencias, Dept. Quim. Fis., Nuevos Mat. Grp., Campus Lejona, Apartado 644, Bilbao, Spain) Crystallization and thermal behavior of poly(vinylidene fluoride) poly[styrene-*b*-(ethylene-co-butylene)-*b*-styrene] blends functionalized with succinic groups *J. Polym. Sci. B-Polym. Phys.* **32** (1994) 201
- RAMESH, P., DE, S. K. (Indian Inst. Technol. Ctr. Rubber Technol., Kharagpur 721302, W. Gengal, India) Evidence of thermally induced chemical reactions in miscible blends of poly(vinyl chloride) and epoxidized natural rubber *Polymer* **34** (1993) 4893
- RAZO, L. M., LOPEZ, T., GOMEZ, R. (Univ. Autonoma Metropolitana Iztapalapa, Dept. Quim., P.O.B. 55-534, Mexico City 09340, DF, Mexico) Thermomechanical analysis applied to liquids *J. Thermal Anal.* **39** (1993) 1049
- RIESEN, R., WIDMANN, G. (Mettler Toledo Ag., CH-8603, Schwerzenbach, Switzerland) Protein characterization by DSC *Thermochim. Acta* **226** (1993) 275
- RIGA, A., PATTERSON, G., KORN-BREKKE, R. (Lubrizol Corp., 29400 Lakeland Blvd., Wickliffe, OH, 44092, U.S.A.) High temperature reactions of metal carbonates with a model metal surface *Thermochim. Acta* **226** (1993) 353
- RIGA, A. T., PATTERSON, G. H., PISTILLO, W. R., SCHARF, C. R., WARD, W. C. (Lubrizol Corp., 29400 Lakeland Blvd., Wickliffe, OH, 44092, U.S.A.) Automatic transmission fluid compatibility with nylon components by thermomechanical analysis and thermogravimetry *Thermochim. Acta* **226** (1993) 363
- ROMOURIBE, A., WINDLE, H. H. (Univ. Cambridge, Dept. Mat. Sci. & Met., Pembroke St., Cambridge CB2 3Q2, England) A flow orientation transition in a thermotropic random copolyester *Macromolecules* **26** (1993) 7100
- ROSSI, P. F., OLIVERI, G., GUZZO, F. (Univ. Genoa, Fac. Ingn., CNR, Ist.

- Chim., Fiera Mare, Piazzale J.F. Kenndy, I-16129, Genoa, Italy) Variations in the chemisorption of methanol on α -Al₂O₃ in the range 200–300°C **Thermochim. Acta** **227** (1993) 59
- SAKURAI, M., IMAI, T., YAMASHITA, F., NAKAMURA, K., KOMATSU, T., NAKAGAWA, T. (Hokkaido Univ., Fac. Sci., Dept. Polymer Sci., Sapporo, Hokkaido 060, Japan) Temperature dependence of viscosities and potentiometric titration behavior of aqueous poly(acrylic acid) and poly(methacrylic acid) solutions **Polym. J.** **25** (1993) 1247
- SANCHEZ, R., HERNANDEZ, C., JALSOVSZKY, G., CZIRA, G. (Natl. Ctr. Sci. Res., Dept. Polymers, P.O.B. 6880, Havana, Cuba) Thermal degradation of furfuraldehyde resins. Pyrolysis-gas chromatography-mass spectrometry and fourier transform infrared **Eur. Polym. J.** **30** (1994) 37
- SATO, T. (3-14-1 Daita, Setagaya Ku, Tokyo 155, Japan) Thermal decomposition of the solvent extracted chloro complexes of bismuth(III) with trioxtylamine and trioctylmethyl-ammonium chloride **J. Thermal Anal.** **39** (1993) 995
- SCHRODTER, R., BALTES, W. (Tech. Univ. Berlin, Inst. Food Chem., Gustav Meyer Allee 25, D-13355, Berlin 65, Germany) Pyrolysis of coloured low molecular weight Maillard-products **J. Anal. Appl. Pyrol.** **27** (1993) 145
- SEIFERT, H. J., SPUNDFLAXCHE, E. (Univ. Gh. Kassel, D-34109, Kassel, Germany) Ternary chlorides in the systems AlCl₃/BeCl₂ (A = Cs/Na, Tl) **J. Thermal Anal.** **39** (1993) 1039
- SHARKEY, J. J., YUE, M. H. (Merck & Co. Inc., P.O.B. 2000, Rahway, NJ, 07065, U.S.A.) Defining the consequences of exothermic behavior in large-scale equipment utilizing DIERS technology **Thermochim. Acta** **226** (1993) 229
- SHOVAL, S. (Open Univ. Israel, Geol. Grp., 16 Klausner St., Tel Aviv, Israel) The burning temperature of a persian-period pottery kiln at Tel Michal, Israel, estimated from the composition of slag-like material formed in its wall **J. Thermal Anal.** **39** (1993) 1157
- SIKORA, A., PORSCH, B., POUCHLY, J. (Acad. Sci. Czech. Republ., Inst. Macromolec. Chem., CS-16206, Prague 6, Czech Republic) Effect of temperature history upon stability and melting of poly(ethylene oxide) **Collect. Czech. Chem. Commun.** **58** (1993) 2595
- SINGH, J. (Hazard Evaluat. Lab. Ltd., Fire Res. Stu. Site, Melrose Ave., Borchamwood WDG 2BL, Herts, England) Reliable scale-up of thermal hazards data using the PHI-TEC II calorimeter **Thermochim. Acta** **226** (1993) 211
- SIRCAR, A. K., WEISSMAN, P. T., KUMAR, B., MARSH, R. A. (Univ. Dayton, Ctr. Basic & Appl. Polymer Res., Dayton, OH, 45469, U.S.A.) Evaluation of doped polyethylene oxide as solid electrolyte **Thermochim. Acta** **226** (1993) 281
- SMYKATZKLOSS, W., HAUSMANN, K. (Univ. Karlsruhe, Inst. Mineral, W-7500, Karlsruhe, Germany) Differential thermal analysis of polymorphic copper and silver sulfides **J. Thermal Anal.** **39** (1993) 1209
- SPADARO, G., VALENZA, A., CALDERARO, E., BRUCATO, V. (Osserv. Astrofis. Catania, CNR, Nazl. Astron. Grp., UDR Catania, Citta Univ., Viale A Doria 6, I-95125, Catania, Italy) Molecular modifications and crystallization relationships for gamma irradiated LLDPE/PA6 blends **Thermochim. Acta** **227** (1993) 75
- STARKWEATHER, H. W. (Dupont Co. Inc., Cent. Res. & Dev., Exptl. Stn., Wilmington, DE, 19880, U.S.A.) Frequency-temperature relationships for relaxations in polymers **Thermochim. Acta** **226** (1993) 1

- TANAKA, H., TERADA, S. (Hiroshima Univ., Fac. Sch. Educ., Chem. Lab., Minami Ku, Hiroshima 734, Japan) Preparation and thermal decomposition of synthetic gerhardtite $\text{Cu}_2(\text{OH})_3\text{NO}_3$ *J. Thermal Anal.* **39** (1993) 1011
- TEYSSÉDRE, G., BERNES, A., LA-CABANNE, C. (Paul Sabatier Univ., Solid State Phys. Lab., F-31062, Toulouse, France) DSC and TSC study of a VDF/TrFe copolymer *Thermochim. Acta* **226** (1993) 65
- TIERS, G. V. D., FRANCIS, C. V. (Three M Co., Corp. Res. Labs, 201-2S-14, Box 33221, St. Paul, MN, 55133, U.S.A.) Materials science of organic compounds. 2. Thermal studies of acentric (second-harmonic-generative) and centrosymmetric crystals of achiral straight-chain para-nitrophenylcarbonyl compounds *Thermochim. Acta* **226** (1993) 311
- TIERS, G. V. D. (Three M Co., Corp. Res. Labs, 201-2S-14, Box 33221, St. Paul, MN, 55133, U.S.A.) The reliable measurement of DSC onset points by internal referencing. 1. *Thermochim. Acta* **226** (1993) 249
- TIERS, G. V. D. (Three M Co., Corp. Res. Labs, 201-2S-14, Box 33221, St. Paul, MN, 55133, U.S.A.) Materials science of organic compounds. 3. Glass-formers, vitriphores. t(g), and molecular chirality *Thermochim. Acta* **226** (1993) 317
- TOMASI, A., SCARDI, P., LUTTEROTTI, L., ORSINI, P. G. (Ist. Ric. Sci. & Tecnol., I-38050, Trent, Italy) Thermal analysis of plasma-sprayed thermal barrier coatings *Thermochim. Acta* **227** (1993) 1
- TYE, R. P., GARDNER, R. L. (Ulvac Sinku Riko Inc., Andover, MA, 01810, U.S.A.) The contribution of precise temperature measurement and control to thermal analysis *Thermochim. Acta* **226** (1993) 343
- UBBRIACO, P., PETRELLA, M., TASSELLI, F. (Politecn. Bari, Ist. Chim. Appl., Via Orabona 4, Bari, Italy) Characterization of fibres from acrylic polymers for cement composites: DSC study *Thermochim. Acta* **227** (1993) 135
- ULSAKER, G. A., TEIEN, G. (Statens Legemiddelkontrol, Sven Oftedals Vei 6, N-0950, Oslo 9, Norway) Dealhydration and rearrangement of phenacylammonium salts in a gas chromatographic injector *J. Anal. Appl. Pyrol.* **27** (1993) 199
- VANDERSCHAAP, P. A., BOERSMA, J., KOOIJMAN, H., SPEK, A. L., VANKOTEN, G. (Univ. Utrecht, Debye Inst., Dept. Met. Mediated Synthesis, Padualaan 8, 3584, CH, Utrecht, Netherlands) Thermally stable aryltungsten(VI) oxo and phenylimido complexes containing phenyl ligands with ortho-chelating tertiary amine substituents-molecular structures of $\text{W}[(\text{R})\text{-C}_6\text{H}_4\text{CH}(\text{Me})\text{NMe}_2\text{-2}]\text{Cl}_3(=\text{O})$ and $\text{W}(\text{C}_6\text{H}_4\text{CH}_2\text{NMe}_2\text{-2}(=\text{NPh})(\text{OCMe}_3)$ *Organometallics* **12** (1993) 4334
- VARMANAI, M., WUNDERLICH, B., GREBOWICZ, J., BAUER, R. (Exxon Res. & Engr. Co., 1990 E. Linden Ave, Bldg. Ltc. 1, Room 1036, Linden, NH, 07036, U.S.A.) Thermal behavior of epoxy resins *Thermochim. Acta* **226** (1993) 99
- VECCHIO, S., LAGINESTRA, A., FREZZA, A., FERRAGINA, C. (CNR, IMAI, Area Ric., CP 10, Monterotondo, SCA, Italy) The use of thermoanalytical techniques in the characterization of ancient mortars *Thermochim. Acta* **227** (1993) 215
- VENEZIANI, G., REAU, R., BERTRAND, G., (C.N.R.S., Chim. Coordinat. Lab., 205 Route Narbonne, F-31077, Toulouse, France) Thermal and metal-catalyzed rearrangements of bis(stannyl)diazo derivatives into carbodiimides-Carbodiimide-transfer reactions *Organometallics* **12** (1993) 4289

- VOIGT, H., AMONS, H. H., NAUMANN, R., POHL, T. (Inst. Anorgan. Chem., Fachbereich Chem., Bergakad. Freiberg, Leipziger Str., D-05996, Freiberg, Germany) Thermoanalytical investigations on decomposition of double salts. 4. Decomposition of the double salts $M\text{I}.\text{MgI}_2.6\text{H}_2\text{O}$ (M:K, NH_4 , Rb) *J. Thermal Anal.* **39** (1993) 1125
- WAGENER, J. B., HANCKE, J. J., CARSTENS, P. A. B. (Atom Energy Corp. S.A. P.T.Y. Ltd., P.O.B. 582, Pretoria 0001, South Africa) Adsorption of HF on alumina-theory and application in the uranium enrichment industry *J. Thermal Anal.* **39** (1993) 1069
- WANNA, J. T., POWELL, J. E. (Amer. Tobacco Co., Dept. Res. & Qual. Assurance, P.O.B. 899, Hipewell, VA, 23860, U.S.A.) Thermal decomposition of cotton cellulose treated with selected salts *Thermochim. Acta* **226** (1993) 257
- WARD, R. S., PELTER, A., GALLETTI, G. C., LI, Q. R. (Univ. Swansea, Dept. Chem., Singleton PK, Swansea, SA2 8PP, W. Glam, Wales) Pyrolysis-GC/MS of podophyllotoxin and related compounds *J. Anal. Appl. Pyrol.* **27** (1993) 187
- WOO, E. M. (Natl. Cheng Kung Univ., Dept. Chem. Engr., Tainan 70101, Taiwan) Time temperature viscoelastic behavior of an interlaminar-toughened epoxy composite *J. Appl. Polym. Sci.* **50** (1993) 1683
- WOO, L., WESTPHAL, S., LING, T. K. (Baxter Healthcare, Round Lake, IL, 60073, U.S.A.) Structure and properties of ultralow density polyethylenes *Thermochim. Acta* **226** (1993) 85
- WU, C., LILGE, D. (Chinese Univ. Hong Kong, Dept. Chem., Sha Tin, Hong Kong) High-temperature dynamic laser light-scattering characterization of polyethylene in trichlorobenzene *J. Appl. Polym. Sci.* **50** (1993) 1753
- WUNDERLICH, B., JIN, Y. M. (Oak Ridge Natl. Lab., Div. Chem., Oak Ridge, TN, 37831, U.S.A.) The thermal properties of four allotropes of carbon *Thermochim. Acta* **226** (1993) 169
- YANG, C. Q., MARTIN, L. K. (Univ. Georgia, Dept. Text. Merchandising & Interiors, Athens, GA, 30602, U.S.A.) Photo-oxidation and thermal-oxidation of the Nonwoven polypropylene fabric studied by FT-IR photoacoustic spectroscopy *J. Appl. Polym. Sci.* **51** (1994) 389
- YARIV, S., KEATTCH, C. J. (John Wiley & Sons Ltd., Baffins Lane, Chichester, W. Sussex PO19 1ND, United Kingdom) Warne, Slade, St.-John on the occasion of his 60th birthday *J. Thermal Anal.* **39** (1993) 935
- ZAHHRAN, R. R., KANDEIL, A. Y., HIGAZY, A. A., KASSEM, M. E. (Qatar Univ., Fac. Engr., P.O.B. 2713, Doha, Qatar) Ultrasonic and thermal properties of γ -irradiated low-density polyethylene (Vol. 49, Pg 1291, 1993) *J. Appl. Polym. Sci.* **51** (1994) 581
- ZHANG, Q., PAN, W. P., LEE, W. M. (Western Kentucky Univ., Dept. Chem., Bowling Green, KY, 42101, U.S.A.) The thermal analysis of bismaleimide/graphite fiber composite by TG/FTIR *Thermochim. Acta* **226** (1993) 115
- ZHANG, D., BHAT, G. S. (Univ. Tennessee, Text. Mat. Res. Lab., Knoxville, TN, 37996, U.S.A.) Thermal characterization of sulfonated polyethylene fibers *Thermochim. Acta* **226** (1993) 123
- ZHENG, W. G., WAN, Z. H., QI, Z. N. WANG, F. S. (Acad. Sinica, Inst. Chem., State Key Lab. Engr. Plast., Beijing 100080, Peoples R. China) NMR studies on the transesterification of polycarbonate poly(ethylene terephthalate) blends *Polymer* **34** (1993) 4982

- ZINBO, M., KORNISKI, T. J., WEIR, J. E. (Ford Motor co., Res. Lab., MD 3061, P.O.B. 2053, Dearborn, MI, 48121, U.S.A.) Thermogravimetry of filter-borne gasoline engine-out particulates **Thermochim. Acta** **226** (1993) 221