

Author Index

- ADONYI, Z., 369
AGAFONOV, A. V., 297
AGEEVA, T., 243
ALIKBEROV, M. Z., 305
AMER, A. A., 837
ANTIPIN, I. S., 305
ANWAR, J., 673
APEKIS, L., 741
VAN ASSCHE, G., 585
ATALA, H., 803
- BLAŻEJOWSKI, J., 183, 189
BALCEROWIAK, W., 177
BALESDENT, D., 785
BALLERAT-BUSSEROLLES, K., 271
BARIĆ, B., 753
BAUR, H., 437
BERGMANN, E., 565
BIKIARIS, D. N., 721
BLAINE, R. L., 467, 695
BOLLER, A., 545
BOUROUKBA, M., 785
BOUVIER, F., 881
BUDRUGEAC, P., 765
BUEHLER, F. U., 501
BYSZEWSKI, P., 197
- CANOTILHO, J., 139
CHENG, Q. T., 947
CHONGPRASERT, S., 659
COSTA, F. S., 139
CRAIG, D. Q. M., 673
CSER, F., 637, 707
CZAKIS-SULIKOWSKA, D., 103
- DANCH, A., 151, 161
DASS, N. N., 913
DIDUSZKO, R., 197
DILIGENSKY, N. V., 957
DIRAND, M., 785
DRAGOE, N., 931
DUKE, C. V. A., 901
- EFIMOV, A. P., 957
EGUNOV, V. P., 957
- FEELY, L. C., 673
GAJERSKI, R., 25
GAUDEN, P. A., 351
GOLANKIEWICZ, B., 237
GOLUBCHIKOV, O., 243
GORBOLETOVA, G. G., 311
GRABOWSKA, A., 115
GRUJIĆIĆ, D., 35, 41
GUPTA, M., 825
- HAHN, B. K., 695
HAN, S. C., 775
HATTA, I., 577
VAN HEMELRIJCK, A., 585
HIKOSAKA, M., 623
HILL, V. L., 673
HOPEWELL, J. L., 707
HOURSTON, D. J., 651
HUCZKO, A., 197
- INGIER-STOCKA, E., 115
IWANCZENKO, S., 79
- JASIEŃSKA, S., 79
JASIONOWSKI, M., 189
JOUTI, M. B., 785
JUDOVITS, L., 419, 605
- KALUŻNA, J., 103
KABIR, M., 125
KALEDOVÁ, A., 845
KANARI, K., 521
KARAYANNIDIS, G. P., 721
KASPRZYCKA-GUTTMAN, T., 203, 211
KATAYAMA, N., 577
KHASIEVA, L. R., 305
KIMURA, T., 285
KISS, A. B., 815
KNOPP, S. A., 659

- KOCHERGINA, L. A., 311, 317
KONIECZYŃSKI, P., 219
KONOVALOV, A. I., 305
KONVIČKA, T., 845
KOUDELKA, L., 937
KOVAČIĆ, T., 753
KOWALSKA, E., 197
KRISHNAIAH, M. V., 873
KRIVENKO, P., 57
KRZYMIŃSKI, K., 183
KSIĄŻCZAK, A., 323
KSIĄŻCZAK, T., 323
KULAGINA, T. G., 731
- LAI, M. U., 825
LAPTEVA, L. I., 305
LÜBBERS, M., 49
LEBEDEV, B. V., 731
LEITÃO, M. L. P., 139
LERAY, A.-G., 605
LI, J. H., 947
LI, Z. F., 775
LI, X. T., 947
LITWINIENKO, G., 203, 211
LOHNER, K., 161
LOU, X. D., 947
LU, L., 825
LUYT, R., 535
- MAŁECKI, A., 25, 399
MARCUS, S. M., 467
MARTIN, C. J., 501
MATHOT, V., 477
MAYER, J., 93
VAN MELE, B., 585
MENCZEL, J. D., 419, 605
MEUNIER, L., 271
MIECZKOWSKI, J., 197
MIGDAŁ-MIKULI, A., 93
MIKULI, E., 93
MIMKES, J., 49
MOŠNER, P., 845, 937
MOISEEV, G., 363
MURTI, P. S., 873
- NAGY, J. B., 801
NAIL, S. L., 659
NAKAI, Y., 285
NASSR, K. M., 49
NASTRO, A., 891
NEFFATI, R., 741
- OLCZAK-KOBZA, M., 133
- OREWCZYK, J., 79
ORLOVA, A. I., 71
OVCHINNIKOV, V. V., 305
OZAKI, T., 285
OZAWA, T., 521
- PAŁECZ, B., 257, 265
PASSERINI, N., 673
PEKTAŞ, I., 803
PERLOVICH, G. L., 237
PERSHINA, L., 57
PETKOV, V. I., 71
PIELICHOWSKI, K., 171
PIETRASZKIEWICZ, M., 249
PIETRASZKIEWICZ, O., 249
PODSIADŁO, H., 863
PROCHOWSKA-KLISCH, B., 25, 399
PROKUPKOVÁ, P., 937
- RADWAŃSKA-DOCZEKALSKA, J., 103
RAHIER, H., 585
RAULT, J., 741
READING, M., 411, 535
REDINHA, J. S., 139
REGINA, A., 891
RIBEIRO, M., 545
ROKBANI, R., 855
ROUND, C. I., 901
ROUX, A. H., 271
ROUX-DESGRANGES, G., 271
RYCHŁOWSKA-HIMMEL, I., 867
RYCHLICKI, G., 343, 351
- SAGADEEV, E. V., 305
SARMAH, S., 913
SARUYAMA, Y., 687
SAVOVIĆ, V., 35
SCHAWÉ, J. E. K., 565
SCHERRENBURG, R., 477
SCHULZ, S., 333
SEENIVASAN, G., 873
SEFERIS, J. C., 501
SEGAL, E., 765, 931
SEIPPEL, J., 333
ŠESTÁKOVA, V., 49
SHANKS, R. A., 637, 707
SITNIKOVA, E. YU., 305
SKURSKI, P., 189
ŠOLC, Z., 845
SONG, M., 651
SOUSA, A. T., 139
ŠTRBAC, N., 35
STEEMAN, P., 477

- STELZER, F., 161
STOCH, L., 9
STOIKOV, I. I., 305
STORONIAK, P., 183
SURESH, G., 873
SURYA-LUKITO, 333
SWIER, S., 585
SZYCHLIŃSKI, J., 125
- TAKAGI, S., 285
TAKEDA, K., 285
TERZYK, A. P., 343, 351
TIAN, J., 775
TIAN, S. J., 947
TODA, A., 623
TOMITA, C., 623
TUOTO, C. V., 891
TUREK, A., 133
- ULBIG, P., 333
UNGERANK, M., 161
USHEROV-MARSHAK, A., 57
UTZIG, E., 243, 249, 391
- VASIL'EV, V. P., 311, 317
VATOLIN, N., 363
VERDONCK, E., 585
VICKERS, M., 673
- VLADIMIROV, A. V., 297
- WALCZAK, J., 867
WANG, B. H., 775
WANG, J. Y., 947
WEBER, G., 881
WESOŁOWSKI, M., 219
WIECZOREK-CIUROWA, K., 85
WILLIAMS, C. D., 901
WINTER, W., 565
WOJCIECHOWSKI, K. T., 399
WOJSZ, R., 351
WUNDERLICH, B., 437, 545
- ZAICHIKOV, A. M., 279
ZANIER, A., 381
ZAREMBA, T., 63
ZENG, H. H., 775
ZHANG, G. E., 947
ZHANG, Y. M., 775
ZIELENKIEWICZ, A., 227, 237
ZIELENKIEWICZ, W., 243, 249
ŽIVKOVIĆ, Ž. D., 35
ŽIVKOVIĆ, Ž., 41
ŽIVKOVIĆ, D., 35, 41
ZSAKÓ, J., 921

Subject Index

- absorption 85
ac calorimetry 577
acid-base equilibria 311
acidic pellets 79
9-acridinamine and its derivatives 183
acridine 183
activated carbon 343
activation energy 25, 399, 695, 765
active carbon 333, 351
activity coefficients 297
adiabatic scanning calorimetry 227
adsorption 333, 343, 351
– thermodynamics 351
Al alloy 825
alkaline binders 57
alloy 41, 825
amino acid 311
amorphous solids 9
annealing 535
antioxidants 203
antiviral agent 237
apatite 855
apparent molar volumes 237
aqueous solutions of *L*- α -amino acids 257
– – of urea 265

base-line heat capacity 477
binary mixtures 279, 785
– system $\text{PbF}_2\text{--CdF}_2$ 863
bipyridine isomers 103
2,2'-bipyridine transition metal salts 125
bis-epoxides 721
blast furnace charge 79
blends 171, 637
branching 721
butyl rubber 741

 C_{60} -methylnaphthalenes 197
calcination 85
calcium phosphate 855
–based sorbents 85
calix[4]resorcinarene 249
calorimetry 41, 57, 333, 545
cation exchanger catalyst 177

chain extension 721
chemical affinity 9
cobalt 901
cobalt(II) salts decomposition 115
– compensation effect 369
– for asymmetry 687
complex formation 297
– heat capacity 437, 501
– oxide 363
– phosphates 71
complexation 243
complexes 103, 133, 243, 297, 363, 913, 947
complexon 317
conductometric TA 845
confinement 741
conformational changes 227
conversion function 931
copper(I) 103
copper(II) compounds 133
– complexes 243
cross-linking 721
crystal lattice energy 183
crystallinity 651
crystallization 9, 139, 477, 637, 937
curing 477
 β -cyclodextrin 947

decomposition 115, 189, 695
deconvolution 477
degradation 753
density 237
desulphurization 85
diepoxides 721
diesel 381
diffusion 49
dilatometry 863
dimensionless analysis 369
distillate fuel 381
DSC 93, 139, 161, 203, 211, 467, 477, 521, 605,
687, 721, 741, 825, 891
DTA 63, 93, 837, 845, 867
DTA-TG-DTG 219
DTG 369, 891

- Einstein's solid model 785
 enthalpy 311, 731
 – of dilution 257
 – of hydration 237
 – of solution 237, 257, 265, 305
 – of solvation 305
 – of specific interaction with solvent 305
 – of vaporization 305
 – of wetting 333
 – variations 785
 entropy 311, 731
 epoxy resin 585
 error levels 369
 ethanol 343
 ethyl benzoate 947
 evaluation 369
 – of methods of TA 845
 excess enthalpies 279, 285
 – heat capacity 477
- fatty acids esters 211
 fluidized combustion 85
 fly ash 837
 formamide 279
 formation of reactivity of Fe(III) oxides 845
 fractal dimension 351
 frequency domain 545
 frozen sucrose solutions 659
- gelation 323
 Gibbs energy 731
 glass 9, 937
 – transition 9, 151, 161, 477, 535
 grease 381
- hardness measurement 825
 heat 957
 – capacities 237, 271, 437, 477, 651, 731
 – – measurement 521, 577
 – flux DSC 521
 – of volatilization 183
 – transfer 501
 – treatment 803
 – flux calorimeter 545
 heating rate 957
 hexachloroplumbates 125
 hexadecyltrimethylammonium bromide 271
- ideal association treatment 285
 inclusion complex 947
 indium 545
 inorganic polymer glass 585
 integral analysis 545
 interaction 323
 intermetallid 363
 IR 63, 103
- irreversible thermodynamics 437
 isokinetic relations 921
 isomorphous substitution 901
 isothermal calorimetry 333
 – kinetics 765
 $K_{0.5Bi_{0.5}TiO_3}$ 63
 kinetic compensation effect 921
 – equation 25
 – parameters 369
 kinetics 35, 189, 211, 399, 695, 765, 921, 931,
 937, 947
 – of ferrite formation 845
 – of melting 623
- L*- α -amino acids 265
 laser flash technique 873
 lead refining 41
 levynite 891
 light modulated DSC 687
 lime 837
 limestone 85
 limiting polymerization temperature 731
 linear response theory 477
- manganese 901
 marmatite 35
 MDSC 605, 637, 687
 medicinal herbs 219
 melting 323, 477, 565, 637
 – curves 139
 – transition 545
 methanol 343
 4-methylimidazole complexes of copper(II) 133
 microcalorimeter 391
 microcalorimetry 775
 microporosity 343, 351
 modulated temperature 695
 modulus of basicity 57
 molar volumes 271
 mono(*o*-hydroxybenzaloxime) of Cu(II) 133
 mono(*o*-hydroxybenzoate) of Cu(II) 133
 MTDSC 381, 535
 muscle actin 775
- 1,*N*²-(prop-1-ene-1,2-diyl)acyclovir 237
 N,N,N-trimethylmethanaminium halides 189
 nickel maraging steels 803
 noble metals 49
 non isothermal kinetics 765, 921, 931
 – measurements 399
 non-metals determination 219
 NZP structure 71
- Oelsen's method 41
 optical fiber 687
 oxidation 25, 211

- oxidation process 35
oxygen indexes 815
- Pb–Bi–Mg–Sb alloys 41
PbZrO₃ 63
peak high 957
– square 957
– aging 825
– fitting 139
n-pentacosane 785
peptide 311
periodic temperature 577
PET 651, 721
phase analysis 85
– diagram 863
– equilibria 863, 867
– formation 71
– lag 501, 535
– transition 881
– – in hexaaquametal(II) chlorates(VII) 93
phosphonic derivatives 305
PMP 151
poly(*d,l*-lactide) 673
poly(*p*-phenylene sulfide) 605
poly(vinylidene fluoride) 605
polyamide 12 605
polyaniline 171
polyethylene 637, 707
– glycols 271
polymer crystals 623
polymerization 775
polymers 161, 171, 477, 565, 585, 605, 637, 651, 707, 721, 731, 741, 753
polymorphic transitions 863
polymorphism 139
polypropylene 637
– glycols 271
polyvinylacetate 731
pore diameter 351
porosity 85
potassium phosphate 855
potential theory 351
pozzolana 837
precipitation 825
principal component analysis (PCA) 219
progesterone 673
1,2-propanediamine 285
1,3-propanediamine 285
1,2-propanediol 285
1,3-propanediol 285
protolytic equilibria 317
pseudo-isothermal analysis 545
PVC 171
PVC/MBS blends 753
PXRD 673
- QTMD 891
quasi-isothermal measurement 545
- rare earth aluminates 873
raw plant materials 219
reaction mechanism 585
reaction-induced phase separation 585
reactivity 85, 845
regime 477
regularity 363
 α relaxations 151
reorganization 605
reversibility 637
reversible melting 545, 707
- salt effect 297
saw-tooth modulation 545
secondary amides 279
selenium 937
SEM 673
Se–Sn–Te system 937
side-chain liquid crystal polymer (SCLC) 161
signal analysis 565
silver(I) 103
single crystals 49
sinusoidal modulation 545
solid solution 63
solubility diagram 855
solvates 249
solvation 297
speciation analysis 177
specific interactions 297
5SrRNA 227
stability constant triiodide 297
standard enthalpy of formation (*SEF*) 363
steady state 521
stepped isotherm 881
structural change 881
structure 815
– flexibility 9
sulfonic cation exchanger 177
sulphation 85
sulphur oxide capture 85
surfactant–polymer interactions 271
system Fe₂O₃–V₂O₅–WO₃ 867
- tellurium 937
temperature 731
– modulated calorimetry 437, 545, 577
terfenadine 139
tetraalkylammonium cations 901
tetrachloroethylene 881
tetraphenylporphyrin 243
TG 63, 85, 177, 249, 369, 695, 753, 891, 921
theory 189, 957
thermal analysis 79, 115, 863, 891, 957

- thermal conductivity 467, 873
– decomposition 103, 133, 921, 947
– diffusivity 467
– dilatometry 845
– fractionation 707
– properties 171
– stability 197
thermoanalysis 815
thermoanalytical investigations 125
thermochemical analysis 57
thermochemistry 9
thermodynamics 189, 317
– of polymerization 731
thermogravimetry 177, 249, 695, 753, 921
thermokinetics 57, 243, 391
thermooxidative degradation 765
thermoporosimetry 741
thermooxidation 203
time-domain 545
tin 937
titration 391
TMDSC 381, 467, 477, 501, 521, 535, 565, 585, 605, 623, 651, 659, 673, 707
TMTMC 437
trichloroethylene 881
n-tricosane 785
tRNAPhe 227
 β -tungsten 815
unsaturated polyester resin 585
vanadium oxides 25
van't Hoff relation 775
vinyl acetate 731
volatilization 695
water crystallization 741
– droplet 741
WO₃ reduction 815
X-ray 863
XRD 63, 867
Zhuravlev equation 25
Zn ferrite 845
ZSM-5 zeolite 881