

## INDEX

- Abd El-Gawad, I. I.**, see *Islam, A. M.* 666
- Abrahám, J.**, see *Jurášek, A.* 262
- Alföldi, J.**, *Peciar, C.*, and *Palovčík, R.*, Proton magnetic resonance spectroscopic studies in the presence of Eu(DPM)<sub>3</sub>. Conformations of some tetraacetyl-D-phe-nylglycosides. 370
- see *Bilík, V.* 668
- see *Kováč, P.* 820
- see *Peciar, C.* 83, 86
- Anderle, D.**, see *Bilík, V.* 668
- see *Königstein, J.* 701
- Antoš, K.**, see *Kalamár, J.* 840
- Balajka, J.**, see *Daněk, V.* 728
- Bauer, Š.**, see *Kučář, Š.* 115
- see *Sticzay, T.* 90
- Běluša, J.**, *Janoušek, Z.*, and *Knofličková, H.*, 2-(2-Hydroxyphenyl)benzotriazoles. I. Synthesis and their ultraviolet and infrared spectra. 673
- *Mazánková, J.*, *Kováčik, V.*, *Rabušic, E.*, and *Potáček, M.*, 2-(2-Hydroxyphe-nyl)benzotriazoles. II. Electrophilic substitution reactions on the molecule of 2-(2-hydroxy-5-methylphenyl)benzotriazole and ultraviolet spectra of the products. 680
- Benko, J.**, see *Holba, V.* 24
- Beňo, A.**, see *Stankoviansky, S.* 614
- Berek, D.**, see *Mlejnek, O.* 336
- Bilik, V.**, *Anderle, D.*, and *Alföldi, J.*, Reactions of saccharides catalyzed by molybdate ions. XI. Preparation of L-glycero-L-galacto- and L-glycero-L-taloheptose. 668
- and *Tihlárik, K.*, Reactions of saccharides catalyzed by molybdate ions. IX. Epimerization of ketohexoses. 106
- Blanka, B.**, Preparation of selenic acid by means of ion exchanger. II. 298
- Blöckinger, G.**, see *Mikulášek, S.* 686
- Bobok, D.**, see *Kossaczký, E.* 166
- Bognár, R.**, see *Sticzay, T.* 90
- Borkovcová, I.**, see *Holík, M.* 374
- Borsig, E.**, see *Szőcs, F.* 581
- Brunovská, A.** and *Ilavský, J.*, Mathematical model of a semi-flow stirred adsorber. 713
- Bumbálová, A.**, see *Riečanská, E.* 332, 768
- Bustin, D. I.** see *Hofbauerová, H.* 609
- Bystrický, S.**, see *Sticzay, T.* 226
- Citovický, P.**, *Šimek, I.*, *Mikulášová, D.*, *Chrástová, V.*, and *Řezníček, J.*, Emulsion polymerization of styrene initiated by peroxides of powdered isotactic poly-propylene in the presence of triethylenetetramine. 802
- Csiba, I.**, see *Lacko, I.* 409
- Cvečková, L.**, see *Mlejnek, O.* 336
- Čársky, J.**, see *Stankoviansky, S.* 614
- Čech, R.**, Postirradiation changes in the solutions of acetylacetone. 47

- Čorba, J.*, see *Koštenská, I.* 546
- Daněček, J.*, see *Hrdlovič, P.* 792
- Daněk, V.*, *Votava, I.*, *Matiašovský, K.*, and *Balajka, J.*, Study of the system  $\text{V}_2\text{O}_5-\text{Na}_2\text{O}$ . II. Physicochemical properties of the molten  $\text{V}_2\text{O}_5-\text{NaVO}_3$  mixtures. 728  
— see *Fellner, P.* 724
- Danielová, E.*, see *Koman, V.* 218
- Demianová, V.*, see *Kováčik, V.* 270
- Demjánová, E.*, see *Dzurilla, M.* 693
- Devínsky, F.*, see *Lacko, I.* 409
- Dohnal, A.*, see *Ružička, E.* 621
- Dojčanský, J.* and *Heinrich, J.*, Saturated vapour pressure of acetonitrile. 157  
— *Sakálošová, E.*, and *Surový, J.*, Isothermal liquid-vapour equilibrium in the systems *n*-heptane-toluene and toluene-dimethylformamide at 40°C. 160  
— see *Surový, J.* 313
- Dolejš, L.*, see *Pribela, A.* 710
- Drobnica, L.*, see *Kalamár, J.* 840
- Durmis, J.*, *Vrabec, S.*, *Holčík, J.*, and *Karvaš, M.*, Intramolecular hydrogen bond in alkylene- and thiodiphenols. 132  
— see *Hrdlovič, P.* 792
- Dzurilla, M.* and *Demjánová, E.*, Synthesis of thiohydantoin and rhodanine derivatives from 4-substituted cinnamoyl isothiocyanates. 693
- Ďurdovič, V.*, see *Rado, R.* 64
- Elečko, P.*, *Foltínová, P.*, *Sališová, M.*, *Solčániová, E.*, and *Toma, Š.*, Synthesis, proton magnetic resonance spectra, and biological activity of haloacylferrocenes. 94  
— *Solčániová, E.*, and *Toma, Š.*, Cyclization of 1-chloroacetyl-1'-cinnamoyl-ferrocene. I. Base-catalyzed reaction. 396
- Emons, H.-H.*, On the behaviour of metals in their molten salts. 433  
— Study of the binary molten salts with unsymmetrical charges consisting of chlorides of alkaline earth metals and alkali metals. 447
- Faberová, V.*, see *Mikulaj, V.* 37
- Fellner, P.*, Calculation of transport properties of cryolite melts. 721  
— and *Daněk, V.*, Calculation of transport properties of molten salts using a double hard core model. 724  
— and *Matiašovský, K.*, Cryometry in the eutectic mixtures. 201
- Filippov, M. P.* and *Kohn, R.*, Determination of composition of alginates by infrared spectroscopic method. 817
- Fišera, L.*, *Kováč, J.*, *Lucky, M.*, and *Surá, J.*, Furan derivatives. LVIII. Transfer of a substituent effect through the furan-benzene system. Alkaline hydrolysis of methyl esters of 4-(5-X-2-furyl)benzoic acids. 386
- Flórián, K.*, Study of the emission spectra excitation in the medium voltage spark discharge. I. Selection of optimum pairs of spectral lines by the method of scatter diagrams. 204; II. Investigation of the evaporation by means of the relation curves. 306  
— *Lavrin, A.*, and *Matherny, M.*, Dependence of the course of the calibration functions on their evaluation by means of emission spectrochemical analysis. 760

- Foltinová, P.*, see *Elečko, P.* 94  
 — see *Mikulášek, S.* 686  
*Frimm, R.*, see *Hrdina, M.* 418  
*Fuska, J.*, see *Proksa, B.* 789
- Galová, M.** and *Malinovský, M.*, Equilibrium "solidus—liquidus" in binary systems having complete miscibility in the solid state. Type I after Roozeboom. 499  
*Garaj, J.*, see *Langfelderová, H.* 173, 180, 748  
*Gažo, J.*, see *Hvastijová, M.* 188  
 — see *Langfelderová, H.* 173, 180, 748  
 — see *Makáňová, D.* 604  
 — see *Valigura, D.* 599  
*Girvu, K.*, see *Simionescu, Cr.* 810  
*Graus, V.*, see *Schwendt, P.* 743  
*Gregorčoková, J.*, see *Malinovský, M.* 539
- Hanic, F.**, see *Majlíng, J.* 294  
*Heinrich, J.*, see *Dojčanský, J.* 157  
*Herain, J.*, see *Očadlík, J.* 151  
*Hirsch, J., Kováč, P., and Kováčik, V.*, Synthesis and reactions of uronic acid derivatives. V. Simple, unambiguous syntheses of methyl(methyl  $\alpha$ -D-galactopyranosid)-uronate 2-, 3-, and 4-methyl ethers. 833  
*Hofbauerová, H., Mocák, J., and Bustin, D. I.*, Amperometrically indicated "pseudotitration". III. Volumetric determination of cobalt(III) with ethylenediamine. 609  
*Holba, V.*, The effect of ionic strength on alkaline hydrolysis and on catalyzed and spontaneous aquation of pentaamminebromocobalt(III) ion. 17  
 — and *Benko, J.*, The effect of electrolytes on kinetics of the oxidation of hexacyanoferrate(II) ion by peroxodisulfate. 24  
*Holčík, J.*, see *Durmíš, J.* 132  
*Holík, M. and Borkovcová, I.*, Spectroscopic investigations on derivatives of tetrahydrofuran. IV. The proton magnetic resonance study of the conformation of *trans*-2,3-dichlorotetrahydrofuran. 374  
*Hrdina, M., Jurášek, A., and Frimm, R.*, Furan derivatives. LIX. 1,1,2-Trisubstituted ethylenes of 5-nitrofuran series. 418  
*Hrdlovič, P., Daněček, J., Karvaš, M., and Durmíš, J.*, Study of the quenching of triplet carbonyl groups and singlet oxygen by light stabilizers. 792  
*Hrnčiar, P. and Melicherčík, M.*, Reactions of 2-phenyl-2,3-dihydro-1,3-phenaledione anion with halo hydrocarbons and ethyl monohaloacetate. 379  
 — see *Krasnec, L.* 100  
 — see *Livář, M.* 402  
*Hvastijová, M., Kohout, J., and Gažo, J.*, Cyanato-copper(II) complexes with organic ligands. XII. Absorption spectra of the cyanato-copper(II) complexes with heterocyclic nitrogen-containing ligands in various solvents. 188  
*Chodák, I.*, see *Rado, R.* 64  
*Chrástová, V.*, see *Citovický, P.* 802  
*Ilavský, D.*, see *Martvoň, A.* 659  
*Ilavský, J.*, see *Brunovská, A.* 713  
*Islam, A. M., Khalil, A. M., and Abd El-Gawad, I. I.*, Synthesis of 2-aryl-4-phthalidyliden-1,3-oxazolin-5-ones. 666

- Janeček, F.**, see *Königstein, J.* 701  
**Janoušek, Z.**, see *Běluša, J.* 673  
**Jány, I.**, see *Kysel, O.* 70  
**Joniak, D.** and *Košíková, B.*, Synthesis of some cyclic acetals of methyl  $\alpha$ -D-glucopyranoside as model compounds of lignin—saccharide complex. 110  
**Joshi, R. K.**, see *Lacko, I.* 120  
**Jurášek, A.**, *Kováč, J.*, and *Abrahám, J.*, Furan derivatives. LI. Synthesis and some properties of  $\alpha, \beta$ -unsaturated sulfones of the 5-nitrofuran series. 262  
— see *Hrdina, M.* 418  
— see *Kada, R.* 391
- Kada, R.**, *Jurášek, A.*, *Kováč, J.*, and *Králik, P.*, Derivatives of benzimidazole. IX.. Hydrates of 5-aminobenzimidazoles. 391  
**Kaláč, J.**, see *Lacko, I.* 120  
**Kalamář, J.**, *Drobnica, L.*, *Antoš, K.*, *Surá, J.*, and *Mravec, D.*, Isothiocyanates. XLIV. Preparation and properties of some substituted benzhydryl isothiocyanates. 840  
**Kalina, M.**, see *Riečanská, E.* 332  
**Kardošová, A.**, see *Rosík, J.* 128  
**Karvaš, M.**, see *Durmis, J.* 132  
— see *Hrdlovič, P.* 792  
**Kellö, V.**, see *Lisý, M.* 145  
**Khalil, A. M.**, see *Islam, A. M.* 666  
**Klimová, M.**, see *Szőcs, F.* 581  
**Knížo, L.** and *Kristian, P.*, Synthesis, structure, and properties of  $\beta$ -styryl isothiocyanate. 848  
**Knofličková, H.**, see *Běluša, J.* 673  
**Kohn, R.**, Spectrophotometric determination of the activity of strontium and calcium ions by metal-indicator method. 625  
— see *Filippov, M. P.* 817  
**Kohout, J.**, see *Hvastijová, M.* 188  
**Kolláriková, E.**, see *Lacko, I.* 409  
**Koman, V.** and *Danielová, E.*, Iodine number determination by means of a combination nomogram and analytical results of fatty acids by gas chromatography. 218  
**Konečný, V.**, Synthesis and biological activity of *S-(N', N'-dialkylthiocarbamoyl)(N,N-dialkylamido)ethyldithiophosphonates*. 697  
— see *Mikulášek, S.* 686  
**Königstein, J.**, *Anderle, D.*, and *Janeček, F.*, Determination of the products of aldolization of trioses. 701  
**Kopecká, A.**, see *Livar, M.* 402  
**Kopunec, R.** and *Kotočová, A.*, The solubility of cerium and praseodymium 8-hydroxy-quinolinates in organic solvents. 77  
**Kossaczký, E.** and *Bobok, D.*, Diffusion of *n*-pentane vapour in a crystal of molecular sieve 5A. 166  
**Košík, M.**, see *Kováč, P.* 820  
— see *Kováčik, V.* 270  
**Košíková, B.**, see *Joniak, D.* 110  
**Koštenská, I.**, Thermodynamics of the enantiotropic phase transitions in condensed systems. II. Binary systems. 517

- Čorba, J., and Malinovský, M., On solid solutions in the system LiF—Na<sub>3</sub>AlF<sub>6</sub>. 546  
 — and Malinovský, M., Problems of the stability of the anion AlF<sub>6</sub><sup>3-</sup> in the molten system NaCl—Na<sub>3</sub>AlF<sub>6</sub>. 553  
 — Vrbeneská, J., and Malinovský, M., The equilibrium "solidus—liquidus" in the system lithium fluoride—calcium fluoride. 531  
 — see Malinovský, M. 493, 509
- Kotas, J., Vesely, K., and Pác, J., Oxidation of benzyl alcohol, allylbenzene, methyl benzyl ketone, and cumene by cobalt(III) complexes. 646  
 — — — Oxidation of benzyl alcohol by cobalt(III) acetylacetone. 638
- Kotočová, A., see Kopunec, R. 77
- Kováč, J., see Fišera, L. 386  
 — see Jurášek, A. 262  
 — see Kada, R. 391  
 — see Krutošíková, A. 414
- Kováč, P., Alföldi, J., and Košik, M., Synthesis and reactions of uronic acid derivatives. IV. Unambiguous synthesis of methyl(methyl  $\alpha$ - and  $\beta$ -D-glucopyranosid)-uronate. 820  
 — see Hirsch, J. 833  
 — see Kováčik, V. 270
- Kováč, Š., see Stankovský, Š. 230, 234, 238, 243, 247
- Kováčik, V., Kováč, P., Košik, M., and Demianová, V., Furylidene derivatives of carbohydrates. II. Mass spectrometric fragmentation of some monosaccharide furylidene acetals and its analytical applications. 270  
 — see Béluša, J. 680  
 — see Hirsch, J. 833
- Králik, P., see Kada, R. 391
- Krasnec, L. and Hrnčiar, P., On phthalides and 1,3-indandiones. LII. Reactions of 3,6-dithia-3,4,5,6-tetrahydrophthalic anhydride with methyl derivatives of nitrogen-containing heterocycles. 100  
 — see Lacko, I. 409
- Krätsmár-Šmogrovič, J., Lučanská, B., and Melník, M., Copper(II) complexes with organic ligands. XVI. Copper(II) *p*-hydroxybenzoate complexes. 196
- Kristian, P., see Kniežo, L. 848  
 — see Suchář, G. 425
- Krutošíková, A. and Kováč, J., Furan derivatives. LV. Preparation of 5-aryl-2-furfuryl phenyl and 5-aryl-2-furfuryl 4-tolyl sulfones. 414
- Kubala, J., see Peciar, C. 83  
 — see Rosík, J. 128
- Kučák, Š., Zámocký, J., and Bauer, Š., Synthesis of 2-deoxy- $\alpha$ -D-glucopyranosyl and 2-deoxy- $\alpha$ -D-galactopyranosyl phosphates. 115  
 — see Sticzay, T. 226
- Kudelás, B., see Lísý, M. 145
- Kysel, O. and Jány, I., The effect of the substituents upon the acid-base properties of benzophenone derivatives. 70
- Lacko, I., Csiba, I., Kolláriková, E., Krasnec, L., Lagová, M., Nagy, A., and Devínsky, F., Synthesis and properties of 1-[4-(4-alkoxyphenoxy)butyl]-1-ethylpiperidinium bromides. 409

- Kaláč, J., and Joshi, R. K., The effect of tertiary amines and their related compounds on the oxidation of unsaturated fatty acids. 120
- Lagová, M., see Lacko, I. 409
- Langfelderová, H., Garaj, J., and Gažo, J., The preparation of  $\gamma$ -Cu(C<sub>2</sub>O<sub>4</sub>)(NH<sub>3</sub>)<sub>2</sub> and the study of its structure. 173
- — — Study of the effect of the structure differences of  $\alpha$ -,  $\beta$ -, and  $\gamma$ -modifications of diammineoxalatocopper(II) complexes on their reactivity with gaseous and liquid ammonia. 748
- Serátor, M., Garaj, J., and Gažo, J., Study of the effect of the structure differences between the modifications of the oxalatodiammine copper(II) complex in some heterogeneous reactions. Reactions of  $\alpha$ -,  $\beta$ -, and  $\gamma$ -Cu(C<sub>2</sub>O<sub>4</sub>)(NH<sub>3</sub>)<sub>2</sub> with water. 180
- Lapčík, L., see Očadlík, J. 151
- Lasovský, J., see Ružička, E. 621
- Lavrin, A., see Flórián, K. 760
- Lehotay, J. and Traiter, M., A contribution to the ion-exchange chromatography of organic acids. 57
- Lévai, A., see Sticzay, T. 90
- Lisý, M., Kellö, V., and Kudelás, B., Kinetics of the poly(vinyl chloride) dehydrochlorination in a stream of oxygen. 145
- Livař, M., Hrnčiar, P., and Kopecká, A., On phthalides and 1,3-indandiones. LI. The rate of rearrangement of 3-(4-X-1-naphthylmethylene)phthalides to 2-(4-X-1-naphthyl)-1,3-indandiones. 402
- Lixandru, T., see Simionescu, Cr. 810
- Lucky, M., see Fišera, L. 386
- Lučanská, B., see Krátsmár-Šmogrovič, J. 196
- Lučanský, J., see Novák, V. 324
- Lukš, A., see Ružička, E. 621
- Macášek, F., Simplifications in the description of solvent extraction equilibria of complex compounds. 3
- Majer, J., see Novák, V. 324
- see Riečanská, E. 332, 768
- Majling, J., Vojtečková, A., and Petrovič, J., The phase coexistence in the system NaPO<sub>3</sub>—Mg(PO<sub>3</sub>)<sub>2</sub>—Ca(PO<sub>3</sub>)<sub>2</sub>. 289
- Palčo, Š., Hanic, F., and Petrovič, J., Phase equilibria in the system Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>—Zn<sub>2</sub>P<sub>2</sub>O<sub>7</sub>. 294
- Makáňová, D., Ondrejovič, G., Valigura, D., and Gažo, J., Properties of chlorocuppper(II) complexes with ligands of the type Ph<sub>3</sub>E (E = P, As, Sb) in the solution. II. Chlorination of Ph<sub>3</sub>E as a result of mutual influence of ligands in the redox processes in chlorocuppper(II) complexes. 604
- see Valigura, D. 599
- Malá, J. and Sláma, I., The reaction of cadmium(II) and zinc(II) ions with hydrogen sulfide in molten lithium and potassium chlorides. 733
- Malinovský, M., Concentration vectors in phase diagrams. 463
- Criteria of thermodynamic consistency. I. Systems having no solid solutions. 489
- On the theory of equilibrium multicomponent condensed systems. V. Systems with limited solid solutions. (General topological analysis). 478
- and Gregorčíková, J., The liquidus of sodium chloride in the system sodium chloride—calcium fluoride. 539

- and Koštenská, I., Universal relationship for the activity of the *i*-th component in binary systems. 493
- and Koštenská, I., Thermodynamic of the enantiotropic phase transitions in condensed systems. I. One-component systems. 509
- and Matiašovský, K., Multiple coordinates of the figurative points of the concentration formations of multicomponent systems. 468
- and Svbodová-Kašíková, S., The mutually attainable spaces of concentration polyhedra of multicomponent condensed systems. 483
- see Galová, M. 499
- see Koštenská, I. 531, 546, 553
- see Reháková, A. 523
- see Uhrová, M. 561
- Marek, V., Polarographic reduction of 2-carboxybenzophenone derivatives. III. Reduction of oximes of *o*-benzoylbenzoic acid. 355
- and Mollin, J., Deactivation of the reduction product of *p*-benzoylbenzaldehyde. 360
- Marko, E. and Treindl, L., Redox reactions of the complexes with cations in higher oxidation states. V. Kinetic study of the redox reaction of manganese(III) with oxalic acid in the medium of acetic acid. 31
- Martvoň, A., Ilavský, D., and Uher, M., Isothiocyanates. XLI. Synthesis and infrared spectra of benzotriazolyl isothiocyanates. 659
- see Uher, M. 662
- Masaryková, S., see Treindl, L. 302
- Matherny, M., see Flórián, K. 760
- Matiašovský, K., see Daněk, V. 728
- see Fellner, P. 201
- see Malinovský, M. 468
- Mazáňková, J., see Běluša, J. 680
- Mazilu, I., see Simionescu, Cr. 810
- Melicherčík, M., see Hrnčiar, P. 379
- Melník, M., see Krátsmár-Šmogrovič, J. 196
- Mikulaj, V., Rajec, P., and Faberová, V., Chemical stabilization of daughter  $^{99m}\text{Tc}$  after the  $\beta$ -decay in chelate systems with molybdenyl-( $^{99}\text{Mo}$ ). 37
- Mikulášek, S., Sutoris, V., Foltinová, P., Konečný, V., and Blöckinger, G., Benzothiazole compounds. V. Synthesis and antimicrobial effects of some esters of (2-benzothiazolylthio)acetic acid and 6-substituted (2-benzothiazolylthio)formic acid. 686
- Mikulášová, D., see Citovický, P. 802
- Mlejnek, O., Cvečková, L., Novák, I., and Berek, D., Application of a new type of porous supports in gas chromatography. 336
- Mocák, J., see Hofbauerová, H. 609
- Mohapatra, B. K., Adduct of copper(II) bis(nitroacetylacetone) with  $\gamma$ -picoline. 757
- see Satyanarayana, D. 753
- Mollin, J., see Marek, V. 360
- Molnár, L., Proksa, B., and Szőcsová, H., Polarographic study of 3,5-dioxopyrazolidines. 366
- Mravec, D., see Kalamár, J. 840
- Nagy, A., see Lacko, I. 409

- Novák, I.*, see *Mlejnek, O.* 336
- Novák, V.*, *Lučanský, J.*, *Svičeková, M.*, and *Majer, J.*, New complexanes. XXVIII. Polarographic investigation of the chelate-forming properties of 1,2-diaminopentane-*N,N,N'N'*-tetraacetic acid and 1,2-diaminohexane-*N,N,N',N'*-tetraacetic acid. 324
- Nováková, L.*, Determination of the composition of montmorillonite in the presence of natural admixtures. 51
- Očadlík, J.**, *Herain, J.*, and *Lapčík, L.*, Kinetics of the vinyl chloride-vinyl acetate copolymer dissolution in cyclohexanone. 151
- Ondrejovič, G.*, see *Makáňová, D.* 604
- see *Valigura, D.* 599
- Páč, J.**, see *Kotas, J.* 638, 646
- Palčo, Š.*, see *Majling, J.* 294
- Palovčík, R.*, see *Alföldi, J.* 370
- see *Peciar, C.* 83, 86
- Peciar, C.*, *Alföldi, J.*, *Palovčík, R.*, *Rosík, J.*, and *Kubala, J.*, Conformational study of aldobiouronic acids by means of proton magnetic resonance spectrometry. 83
- — — and *Zámocký, J.*, Proton magnetic resonance spectra of benzylidene derivatives of deoxysugars in the presence of the shift reagent Eu(DPM)<sub>3</sub>. 86
- see *Alföldi, J.* 370
- see *Sticzay, T.* 90, 226
- Pelikán, P.* and *Turi Nagy, L.*, Expression of monocentric repulsion integrals in the basis of *s,p,d* atomic orbitals. 594
- Petrovič, J.*, see *Majling, J.* 289, 294
- Plaček, J.*, see *Szűcs, F.* 581
- see *Tiňo, J.* 577
- Potáček, M.*, see *Běluša, J.* 680
- Pribela, A.*, *Tomko, J.*, and *Dolejš, L.*, Isolation of cytochalasine B from tomatoes contaminated with the fungus *Hormiscium sp.* 710
- Proksa, B.* and *Fuska, J.*, Polarographic determination of tropolones. 789
- see *Molnár, L.* 366
- Rabušic, E.**, see *Běluša, J.* 680
- Rado, R.*, *Chodák, I.*, and *Ďurdovič, V.*, Reactions of cumyloxy radicals in *n*-heptane at 50°C. 64
- Rajec, P.*, see *Mikulaj, V.* 37
- Reháková, A.*, *Vrbenská, J.*, and *Malinovský, M.*, Algebraic analysis of the equations for calculation of the degree of dissociation of cryolite anions. 523
- Řezníček, J.*, see *Citovický, P.* 802
- Riečanská, E.*, *Majer, J.*, *Bumbálová, A.*, and *Kalina, M.*, New complexanes. XXIX. Potentiometric investigation of the chelate-forming properties of *N,N*-bis(carboxymethyl)-2-aminoalkane acids. 332
- — — New complexanes. XXX. Potentiometric study of the formation of chelates of *N,N*-bis(carboxymethyl)-2-aminoalkane acids with rare earth cations. 768
- Rosík, J.*, *Kubala, J.*, and *Kardošová, A.*, 4-*O*-β-L-Arabinopyranosyl-L-arabinopyranose and *O*-β-D-xylopyranosyl-(1→4)-*O*-β-L-arabinopyranosyl-(1→4)-L-arabinopyranose from the peach gum polysaccharide. II. 128
- see *Peciar, C.* 83

- Ružička, E.*, Application of titanometry to titrations in alkaline medium. IV. Potentiometric determination of azo dyes in dimethylformamide. 774
- *Lukš, A., Lasovský, J., and Dohnal, A.*, Reaction of indium(III) ions with florene. 621
- Sakál, L.*, see *Vavra, J.* 587
- Sakálošová, L.*, see *Dojčanský, J.* 160
- Sališová, M.*, see *Elečko, P.* 94
- Satyanarayana, D.* and *Mohapatra, B. K.*, Studies on some lutidinium tetrahalo cuprates(II). 753
- Serátor, M.*, see *Langfelderová, H.* 180
- Schwendt, P.* and *Graus, V.*, Vibrational spectra of vanadium(V) compounds. I. Divanadates with thortveitite structure. 743
- Simionescu, Cr., Lixandru, T., Mazilu, I., Tătaru, L., and Girvu, K.*, Synthesis and properties of ferrocene-containing polymers. Polymerization of 1-chlor-1'-ethyl-1-nylferrocene. 810
- Sláma, I.*, see *Malá, J.* 733
- Solčáňiová, E.*, see *Elečko, P.* 94, 396
- Stankoviansky, S., Beno, A., and Čársky, J.*, Study of the analytical reagent of  $\beta$ -resorecyclidenethiosemicarbazone. 614
- Stankovský, Š. and Kováč, Š.*, Infrared spectra of heterocumulenes. I. The influence of substituents on the infrared spectral bands of  $\nu_{as}(NCN)$  of some aromatic carbodiimides. 230; II. Infrared spectral data of some ketenimines. 234; III. Vibrational wavenumbers and integrated absorption intensities of the diazo group of some diphenyldiazomethanes. 238; IV. The influence of substituents on the  $\nu_{as}(NNN)$  bands of some substituted phenyl azides. 243; VI. Characteristic wavenumbers and intensities of the bands of isocyanates, isothiocyanates, and isoselenocyanates. 247
- Sticzay, T., Peciar, C., Bauer, Š., Tökés, A. L., Lévai, A., and Bognár, R.*, Optical rotatory dispersion studies. VII. Substituted phenylglucopyranosides. 90
- *Bystrický, S., and Kučár, Š.*, Optical rotatory dispersion studies. IX. 2,3-Unsaturated esters of aldonic acids. 226
- Suchář, G. and Kristian, P.*, Preparation and some properties of 3,5-disubstituted tetrahydro-1,3,5-selenodiazine-2-selenones. 425
- Surá, J.*, see *Fisera, L.* 386
- see *Kalamář, J.* 840
- Surový, J.* and *Dojčanský, J.*, Dependence of the vapour pressure and activity coefficients on the composition of some two-component polar solvents. 313
- see *Dojčanský, J.* 160
- Sutoris, V.*, see *Mikulášek, S.* 686
- Svičková, M.*, see *Novák, V.* 324
- Svobodová-Kašiková, S.*, see *Malinovský, M.* 483
- Szőcs, F., Borsig, E., Plaček, J., and Klímová, M.*, ESR Study of free radicals generated during polymerization of vinyl monomers in poly(methyl methacrylate) matrix under high pressure. 581
- see *Tiňo, J.* 577
- Szőcsová, H.*, see *Molnár, L.* 366
- Šimek, I.*, see *Citovický, P.* 802

- Šimek, M.*, Formation of complexes and ion-exchange equilibria on cation exchanger in mixed media. 633  
 — Sorption of Sc(III) and Fe(III) ions by a cation exchanger from solutions of concentrated acids and organic solvents. 343  
 — The influence of organic solvents on the selectivity of a cation exchanger in acidic media. 349
- Tătaru, L.*, see *Simionescu, Cr.* 810
- Tihlárik, K.*, see *Bílik, V.* 106
- Tiňo, J., Szőcs, F.*, and *Plaček, J.*, ESR Study of free radicals trapped in mechanically destracted polyamide 6. 577
- Tökés, A. L.*, see *Sticzay, T.* 90
- Toma, Š.*, see *Elečko, P.* 94, 396
- Tomko, J.*, see *Pribela, A.* 710
- Traiter, M.*, see *Lehotay, J.* 57
- Treindl, L.* and *Masaryková, S.*, Kinetic study of the oxidations with Ce(IV) ions by means of the dropping mercury, rotating platinum, and vibrating platinum electrodes. 302  
 — see *Marko, E.* 31
- Turi Nagy, L.*, see *Pelikán, P.* 594
- Uher, M., Zálupský, P.*, and *Martvoň, A.*, Isothiocyanates. XLII. Synthesis of 3-isothiocyanatophenyl alkyl sulfides and sulfones. 662  
 — see *Martvoň, A.* 659
- Uhrová, M.* and *Malinovský, M.*, Physicochemical interpretation of the inflection point on chronopotentiometric and polarographic curves. 561
- Valigura, D., Ondrejovič, G., Makáňová, D.*, and *Gažo, J.*, Properties of chlorocopper(II) complexes with ligands of the type Ph<sub>3</sub>E (E = P, As, Sb) in the solution. I. Spectrophotometric study of the formation and redox decomposition of complexes. 599  
 — see *Makáňová, D.* 604
- Vavra, J.* and *Sakál, L.*, Effect of polydispersity in the use of transmission light scattering methods. 587
- Veselý, K.* see *Kotás, J.* 638, 646
- Vojtečková, A.*, see *Majling, J.* 289
- Votava, I.*, see *Daněk, V.* 728
- Vrabec, S.*, see *Durmíš, J.* 132
- Vrbenská, J.*, see *Koštenská, I.* 531  
 — see *Reháková, A.* 523
- Vytřas, K.*, Sulfonephthalein dyes. I. Spectrophotometric study of xylenol blue and bromoxylenol blue using colorimetric systems. 252  
 — and *Vytřasová, J.*, Sulfonephthalein dyes. II. Protolytic equilibria of methylxylenol blue. 779
- Vytřasová, J.*, see *Vytřas, K.* 779
- Zálupský, P.*, see *Uher, M.* 662
- Zámocký, J.*, see *Kučár, Š.* 115  
 — see *Peciar, C.* 86
- Anniversaries. 431
- Book reviews. 138, 277, 429, 566, 717
- News. 144, 285, 576, 720, 854