

## CONTENTS

## ORIGINAL SCIENTIFIC PAPERS

- H.-W. Gao and J.-F. Zhao:** Stability Constants of Cobalt(II) and Copper(II) Complexes with 3-[(*o*-Carboxy-*p*-nitrobenzene)azo]chromotropic Acid and Selective Determination of Copper(II) by Competition Coordination . . . . . 1–6
- I. Krznarić, T. Antonić, J. Bronić, B. Subotić, and R. W. Thompson:** Influence of Silica Sources on the Chemical Composition of Aluminosilicate Hydrogels and the Results of Their Hydrothermal Treatment . . . . . 7–17
- L.-Sh. Long, Y.-P. Ren, R.-B. Huang, L.-S. Zheng, X.-M. Chen, and S. W. Ng:** Crystal Structure of Hexacyanoferrato(III)-bis( $\mu$ -cyano){1,3-bis[(4-methyl-5-imidazol-1-yl)ethylideneamino]propan-2-ol}copper(II) Hexacyanoferrato(III)- $\mu$ -cyano{1,3-bis[(4-methyl-5-imidazol-1-yl)ethylideneamino]propan-2-ol}cuprate(II) Tetradecahydrate . . . 19–22
- V. Čaplar, Z. Raza, D. Katalenić, and M. Žinić:** Syntheses of Amino Alcohols and Chiral  $C_2$ -Symmetric Bisoxazolines Derived from *O*-Alkylated *R*-4-Hydroxyphenylglycine and *S*-Tyrosine . . . 23–36
- V. Mirčeski and R. Gulaboski:** A Theoretical and Experimental Study of a Two-step Quasireversible Surface Redox Reaction by Square-wave Voltammetry. . . . . 37–48
- V. Drušković and V. Vojković:** Spectrophotometric Determination of Microamounts of Iridium(IV) with 3-Hydroxy-2-methyl-1-phenyl-4-pyridone or 3-Hydroxy-2-methyl-1-(4-tolyl)-4-pyridone . . . 49–54
- D. Amić, D. Davidović-Amić, D. Bešlo, and N. Trinajstić:** Structure-Radical Scavenging Activity Relationships of Flavonoids . . . . . 55–61
- Z. Kovarik, A. Bosak, G. Šinko, and T. Latas:** Exploring the Active Sites of Cholinesterases by Inhibition with Bambuterol and Haloxon. . . . 63–67
- D. Fleš, R. Vuković, A. Erceg Kuzmić, G. Bogdanić, V. Piližota, D. Karlović, K. Markuš, K. Wolsperger, and D. Vikić-Topić:** Synthesis and Spectroscopic Evidences of *N*-Arylmaleimides and *N*-Aryl-2,3-dimethylmaleimides . . . . . 69–74
- S. Meenakshisundaram and R. Vinothini:** Kinetics and Mechanism of Oxidation of Methionine by Chromium(VI): Edta Catalysis. . . . . 75–80
- N. Raos:** Mean Molecular Radius and the Wiener Number: A Quest for Meaning . . . . . 81–85
- V. Vojković and V. Drušković:** Simultaneous Determination of Palladium(II) and Gold(III) in Mixtures by Third Derivative Spectrophotometry Using 3-Hydroxy-2-methyl-1-phenyl-4-pyridone Ligand . . . . . 87–92
- I. Primožič, T. Hrenar, S. Tomić, and Z. Meić:** Structural Basis for Selectivity of Butyrylcholinesterase towards Enantiomeric Quinuclidin-3-yl Benzoates: a Quantum Chemical Study . . . 93–99
- V. Kovač and V. Rapić:** Ferrocene Compounds. XXXV. Reactions of 1,1'-Ferrocenylenebis(carbinyl acetate) and Derived Quaternary Iodide with Hydroxyalkanoates . . . . . 101–105
- A. Višnjevac, Lj. Tušek-Božić, D. Šepac, Z. Hameršak, and B. Kojić-Prodić:** The Synthesis and Crystal Structures of 7-Bromo-1,3-dihydro-1-methyl-3(*S*)-methyl-5-(2'-pyridyl)-2*H*-1,4-benzodiazepin-2-one and Its  $Cu^{II}$  Complex. . . . . 107–112
- A. Gadomski and J. Siódmiak:** A Novel Model of Protein Crystal Growth: Kinetic Limits, Length Scales and the Role of the Double Layer. . . 129–136
- B. Zmazek and J. Žerovnik:** Computing the Weighted Wiener and Szeged Number on Weighted Cactus Graphs in Linear Time. . . . . 137–143
- J. Cz. Dobrowolski:** Classification of Topological Isomers: Knots, Links, Rotaxanes, *etc.* . . . . 145–152
- M. V. Diudea, P. E. John, A. Graovac, M. Primorac, and T. Pisanski:** Leapfrog and Related Operations on Toroidal Fullerenes . . . . . 153–159
- B. Sluban and O. Šauperl:** Least Metameric Recipe Formulation. . . . . 161–166
- S. Frančišković-Bilinski, H. Bilinski, D. Tibljaš, and D. Hanžel:** Estuarine Sediments from the Boreal Region – an Indication of Weathering . . . . . 167–176
- R. E. Trifonov, A. V. Gaenko, S. N. Vergizov, M. B. Shcherbinin, and V. A. Ostrovskii:** A Theoretical and Experimental Study of Dipole Moments of 3-Aminofurazans . . . . . 177–182
- M. Lovrić and Y. I. Tur'yan:** A Model of CE Mechanism on Spherical Electrodes . . . . . 189–197

- S. Miljanić and Z. Cimerman:** Application of a Novel Lipophilized Derivative of Rhodamine 19 in an Optical Sensor Suitable for Measurements of pH in Alkaline Regions. . . . . 199–205
- T. Dolenc:** Ferromanganese Coated Structures from the Jabuka Pit (Central Adriatic): Mineralogical, Geochemical and Genetic Considerations. . . 207–215
- I. Kalčić, M. Zovko, M. Jadrijević-Mladar Takač, B. Zorc, and I. Butula:** Synthesis and Reactions of Some Azolecarboxylic Acid Derivatives . . 217–228
- M. Zovko, I. Kalčić, B. Zorc, and I. Butula:** IR Spectroscopy Study of the Amidation Reaction of *N*-(1-Azolecarbonyl)amino Acids on L-Phenylalanine Derivative Models. . . . . 229–233
- D. Šepac, M. Roje, Z. Hameršak, and V. Šunjić:** Comparative Study of 1,5-Dinitrogen Schiff Bases as Potential Ligands in Palladium-Catalyzed Allylic Alkylation . . . . . 235–239
- M. Zelić:** Electrochemical Reduction of Europium(3+) at Increasing Concentrations of Different Salts. Part I. Voltammetric Measurements. . . . . 241–248
- B. Mihaljević and D. Ražem:** Monothiocyanato-iron(III) Complex in Dichloromethane-Methanol Solvent Mixture. . . . . 249–255
- M. Cindrić, N. Strukan, V. Vrdoljak, T. Kajfež, and B. Kamenar:** Synthesis of Two Molybdenum(VI) Complexes Coordinated by Schiff Base Derivatives: *N*-Phenyl-2-hidroxy-1-naphthaldimine and *N*-Benzyl-2-hidroxy-1-naphthaldimine. Molecular and Crystal Structure of [MoO<sub>2</sub>(C<sub>5</sub>H<sub>7</sub>O<sub>2</sub>)(OCH<sub>3</sub>)(2-OC<sub>10</sub>H<sub>6</sub>CH=NHC<sub>6</sub>H<sub>5</sub>)] . . . . . 257–261
- S. Javernik Rajh, S. Kreft, B. Štrukelj, and F. Vrečer:** Comparison of CE and HPLC Methods for Determining Lovastatin and Its Oxidation Products after Exposure to an Oxidative Atmosphere . . 263–268
- G. S. Chaubey, S. Das, and M. K. Mahanti:** Quinolinium Dichromate Oxidation of Aliphatic Aldehydes: A Kinetic Study . . . . . 287–291
- O. Šauperl, K. Stana-Kleinschek, B. Vončina, M. Sfiligoj-Smole, and A. Majcen-Le Marechal:** Application of Spectrophotometric Methods in Assessing the Influence of Alkaline Treatment on the Degree of Crosslinking of Cotton Cellulose with BTCA . . . . . 293–298
- A. R. Ashrafi and M. Hamadian:** The Full Non-Rigid Group Theory for Tetraammine Platinum(II) . . . . . 299–303
- M. Hamadian and A. R. Ashrafi:** The Full Non-Rigid Group Theory for *cis*- and *trans*-Dichlorodiammine Platinum(II) and Trimethylamine. . 305–312
- V. Horvat-Radošević and K. Kvastek:** Impedance Spectra of the Hydrogen Evolution Reaction at Low Cathodic Overpotentials. . . . . 313–322
- A. Gojmerac Ivšić and B. Tamhina:** Extraction and Formation of Iron(III) Thiocyanate Complexes: Application for Spectrophotometric Determination of Iron . . . . . 323–328
- E. Kardash-Strochkova, Y. I. Tur'yan, A. Shenhar, and I. Kuselman:** Acids Extraction from Vegetable Oils for Acid Value pH-metric Determination without Titration . . . . . 329–334
- M. Zovko, B. Zorc, M. Jadrijević-Mladar Takač, B. Metelko, and P. Novak:** The Novel Ketoprofenamides: Synthesis and Spectroscopic Characterization. . . . . 335–341
- T. Kajfež, B. Kamenar, V. Piližota, and D. Fleš:** Crystal and Molecular Structures of *N*-Phenylmaleimide and *N*-Phenyl-2,3-dimethylmaleimide. . 343–346
- V. Kovač, V. Rapić, and D. Kovaček:** Ferrocene Compounds. XXXVII. Reactions of 1,1'-Ferrocenylenbis(carbinyl acetates) and Derived Quaternary Ammonium Iodides with Methyl Salicylate. . 347–355
- D. Margetić and R. N. Warren:** *Ab initio* and Semiempirical Modelling of Stereoselectivities of Diels-Alder Cycloadditions of Furan and Cyclopentadiene with Norbornenes . . . . . 357–363

## NOTES

- D. Vukičević and N. Trinajstić:** Modified Zagreb  $M_2$  Index – Comparison with the Randić Connectivity Index for Benzenoid Systems. . . . . 183–187
- G. Šmit:** Magnetite and Maghemite as Gold-Supports for Catalyzed CO Oxidation at Low Temperature . . . . . 269–271
- M. A. Taher:** Flame Atomic Absorption Spectrometric Determination of Trace Lead after Solid-Liquid Extraction and Preconcentration Using 1-(2-Pyridylazo)-2-naphthol . . . . . 273–277
- M. Kidwai, S. Rastogi, R. Mohan, and Ruby:** A Novel Route to the Niementowski Reaction . . 365–369

## AUTHORS' REVIEW

- S. Nikolić, G. Kovačević, A. Miličević, and N. Trinajstić:** The Zagreb Indices 30 Years After. . 113–124

## FEATURE ARTICLES

- M. Došlić, N. Došlić, and T. Došlić:** On Appel Index of MATH/CHEM/COMP Conference . . 125–127
- W. Rudzinski and W. Piasecki:** Theoretical Description of Calorimetric Effects of Proton Adsorption on Metal Oxides from Electrolyte Solutions Based on 1-pK and 2-pK Surface Protonation Models . 279–286

## PREFACES

<b>N. Trinajstić:</b> Editorial . . . . .	VII
<b>A. Graovac, B. Pokrić, and D. Vikić-Topić:</b> Foreword . . . . .	XV
APPENDICES	
<b>G. Vesnaver:</b> Letters to the Editor . . . . .	A1
<b>J. Kobe and S. Jakša:</b> Letters to the Editor . . . .	A1–A2
Obituary . . . . .	A3–A4, A33–A35
Instructions to Authors . . . . .	A5–A8
Announcements and Advertisements . . . . .	A9–A12, A29–A32
Minutes of the Annual Assembly of the Croatian Chemical Society (in Croatian) . . . . .	A13–A28
Erratum . . . . .	A37
Acknowledgement to Reviewers . . . . .	A39
Contents and Index of <i>Croatica Chemica Acta</i> Vol. <b>76</b> . . . . .	A41–A49

## INDEX

ORIGINAL SCIENTIFIC PAPERS (OP) – IZVORNI ZNANSTVENI RADOVI (OP)  
NOTES (N) – BILJEŠKE (N)  
PRELIMINARY COMMUNICATIONS (PC) – PRETHODNA SAOPĆENJA (PC)  
AUTHORS REVIEWS (AR) – AUTORSKI PREGLEDI (AR)  
REVIEWS (R) – PRIKAZI (R)  
FEATURE ARTICLES (FA) – AKTUALNI PRIKAZI (FA)  
CONFERENCE PAPERS (CP) – KONFERENCIJSKI PRILOZI (CP)  
ESSAYS (E) – ESEJI (E)  
REFLECTIONS (RS) – OSVRTI (RS)  
INTRODUCTORY ARTICLES (IA) – UVODNI ČLANCI (IA)

- Amić, D., Davidović-Amić, D., Bešlo, D., and Trinajstić, N.:** Structure-Radical Scavenging Activity Relationships of Flavonoids (OP) . . . . . 55–61
- Antonić, T.:** vidi Krznarić, I.
- Ashrafi, A. R. and Hamadani, M.:** The Full Non-Rigid Group Theory for Tetraammine Platinum(II) (OP). . . . . 299–303
- Ashrafi, A. R.:** vidi Hamadani, M.
- Bešlo, D.:** vidi Amić, D.
- Bilinski, H.:** vidi Frančičković-Bilinski, S.
- Bogdanić, G.:** vidi Fleš, D.
- Bosak, A.:** vidi Kovarik, Z.
- Bronić, J.:** vidi Krznarić, I.
- Butula, I.:** vidi Kalčić, I.
- Butula, I.:** vidi Zovko, M.
- Chaubey, G. S., Das, S., and Mahanti, M. K.:** Quinolinium Dichromate Oxidation of Aliphatic Aldehydes: A Kinetic Study (OP) . . . . . 287–291
- Chen, X.-M.:** vidi Long, L.-Sh.
- Cimerman, Z.:** vidi Miljanić, S.
- Cindrić, M., Strukan, N., Vrdoljak, V., Kajfež, T., and Kamenar, B.:** Synthesis of Two Molybdenum(VI) Complexes Coordinated by Schiff Base Derivatives: *N*-Phenyl-2-hidroxy-1-naphthaldimine and *N*-Benzyl-2-hidroxy-1-naphthaldimine. Molecular and Crystal Structure of [MoO<sub>2</sub>(C<sub>5</sub>H<sub>7</sub>O<sub>2</sub>)(OCH<sub>3</sub>)(2-OC<sub>10</sub>H<sub>6</sub>CH=NHC<sub>6</sub>H<sub>5</sub>)] (OP) . . . . . 257–261
- Čaplar, V., Raza, Z., Katalenić, D., and Žinić, M.:** Syntheses of Amino Alcohols and Chiral C<sub>2</sub>-Symmetric Bisoxazolines Derived from *O*-Alkylated *R*-4-Hydroxyphenylglycine and *S*-Tyrosine (OP) . 23–36
- Das, S.:** vidi Chaubey, G. S.
- Davidović-Amić, D.:** vidi Amić, D.
- Diudea, M. V., John, P. E., Graovac, A., Primorac, M., and Pisanski, T.:** Leapfrog and Related Operations on Toroidal Fullerenes (OP). . . . . 153–159
- J. Cz. Dobrowolski:** Classification of Topological Isomers: Knots, Links, Rotaxanes, *etc.* (OP). . . . . 145–152
- Dolenec, T.:** Ferromanganese Coated Structures from the Jabuka Pit (Central Adriatic): Mineralogical, Geochemical and Genetic Considerations (OP). . . . . 207–215
- Došlić, M., Došlić, N., and Došlić, T.:** On Appel Index of MATH/CHEM/COMP Conference (FA) . . . 125–127
- Došlić, N.:** vidi Došlić, M.
- Došlić, T.:** vidi Došlić, M.
- Drušković, V. and Vojković, V.:** Spectrophotometric Determination of Microamounts of Iridium(IV) with 3-Hydroxy-2-methyl-1-phenyl-4-pyridone or 3-Hydroxy-2-methyl-1-(4-tolyl)-4-pyridone (OP) . 49–54
- Drušković, V.:** vidi Vojković, V.
- Erceg Kuzmić, A.:** vidi Fleš, D.
- Fleš, D., Vuković, R., Erceg Kuzmić, A., Bogdanić, G., Piližota, V., Karlović, D., Markuš, K., Wolsperger, K., and Vikić-Topić, D.:** Synthesis and Spectroscopic Evidences of *N*-Arylmaleimides and *N*-Aryl-2,3-dimethylmaleimides (OP) . . . . . 69–74
- Fleš, D.:** vidi Kajfež, T.
- Frančičković-Bilinski, S., Bilinski, H., Tibljaš, D., and Hanžel, D.:** Estuarine Sediments from the Boreal Region – an Indication of Weathering (OP). . . . . 167–176

- Gadomski, A. and Siódmiak, J.:** A Novel Model of Protein Crystal Growth: Kinetic Limits, Length Scales and the Role of the Double Layer (OP) . . . . . 129–136
- Gaenko, A. V.:** vidi Trifonov, R. E.
- Gao, H.-W. and Zhao, J.-F.:** Stability Constants of Cobalt(II) and Copper(II) Complexes with 3-[(*o*-Carboxy-*p*-nitrobenzene)azo]chromotropic Acid and Selective Determination of Copper(II) by Competition Coordination (OP). . . . . 1–6
- Gojmerac Ivšić, A. and Tamhina, B.:** Extraction and Formation of Iron(III) Thiocyanate Complexes: Application for Spectrophotometric Determination of Iron (OP) . . . . . 323–328
- Graovac, A., Pokrić, B., and Vikić-Topić, D.:** Foreword . . . . . XV
- Graovac, A.:** vidi Diudea, M. V.
- Gulaboski, R.:** vidi Mirčeski, V.
- Hamadian, M. and Ashrafi, A. R.:** The Full Non-Rigid Group Theory for *cis*- and *trans*-Dichlorodiammine Platinum(II) and Trimethylamine (OP). . . . . 305–312
- Hamadian, M.:** vidi Ashrafi, A. R.
- Hameršak, Z.:** vidi Šepac, D.
- Hameršak, Z.:** vidi Višnjevac, A.
- Hanžel, D.:** vidi Frančičković-Bilinski, S.
- Horvat-Radošević, V. and Kvastek, K.:** Impedance Spectra of the Hydrogen Evolution Reaction at Low Cathodic Overpotentials (OP) . . . . . 313–322
- Hrenar, T.:** vidi Primožič, I.
- Huang, R.-B.:** vidi Long, L.-Sh.
- Jadrijević-Mladar Takač, M.:** vidi Kalčić, I.
- Jadrijević-Mladar Takač, M.:** vidi Zovko, M.
- Jakša, S.:** vidi Kobe, J.
- Javernik Rajh, S., Kreft, S., Štrukelj, B., and Vrečer, F.:** Comparison of CE and HPLC Methods for Determining Lovastatin and Its Oxidation Products after Exposure to an Oxidative Atmosphere (OP). . . . . 263–268
- John, P. E.:** vidi Diudea, M. V.
- Kajfež, T., Kamenar, B., Piližota, V., and Fleš, D.:** Crystal and Molecular Structures of *N*-Phenylmaleimide and *N*-Phenyl-2,3-dimethylmaleimide (OP). . . . . 343–346
- Kajfež, T.:** vidi Cindrić, M.
- Kalčić, I., Zovko, M., Jadrijević-Mladar Takač, M., Zorc, B., and Butula, I.:** Synthesis and Reactions of Some Azolecarboxylic Acid Derivatives (OP) . . . . . 217–228
- Kalčić, I.:** vidi Zovko, M.
- Kamenar, B.:** vidi Cindrić, M.
- Kamenar, B.:** vidi Kajfež, T.
- Kardash-Strochkova, E., Tur'yan, Y. I., Shenhar, A., and Kuselman, I.:** Acids Extraction from Vegetable Oils for Acid Value pH-metric Determination without Titration (OP) . . . . . 329–334
- Karlović, D.:** vidi Fleš, D.
- Katalenić, D.:** vidi Čaplar, V.
- Kidwai, M., Rastogi, Sh., Mohan, R., and Ruby:** A Novel Route to the Niementowski Reaction (N). . . . . 365–369
- Kobe, J. and Jakša, S.:** Letters to the Editor . . . A1–A2
- Kojić-Prodić, B.:** vidi Višnjevac, A.
- Kovač, V., and Rapić, V.:** Ferrocene Compounds. XXXV. Reactions of 1,1'-Ferrocenylenebis(carbinyl acetate) and Derived Quaternary Iodide with Hydroxyalkanoates (OP). . . . . 101–105
- Kovač, V., Rapić, V., and Kovaček, D.:** Ferrocene Compounds. XXXVII. Reactions of 1,1'-Ferrocenylenebis(carbinyl acetates) and Derived Quaternary Ammonium Iodides with Methyl Salicylate (OP). . . . . 347–355
- Kovaček, D.:** vidi Kovač, V.
- Kovačević, G.:** vidi Nikolić, S.
- Kovarik, Z., Bosak, A., Šinko, G., and Latas, T.:** Exploring the Active Sites of Cholinesterases by Inhibition with Bambuterol and Haloxon (OP) . 63–67
- Kreft, S.:** vidi Javernik Rajh, S.
- Krznarić, I., Antonić, T., Bronić, J., Subotić, B., and Thompson, R. W.:** Influence of Silica Sources on the Chemical Composition of Aluminosilicate Hydrogels and the Results of Their Hydrothermal Treatment (OP) . . . . . 7–17
- Kuselman, I.:** vidi Kardash-Strochkova, E.
- Kvastek, K.:** vidi Horvat-Radošević, V.
- Latas, T.:** vidi Kovarik, Z.
- Long, L.-Sh., Ren, Y.-P., Huang, R.-B., Zheng, L.-S., Chen, X.-M., and Ng, S. W.:** Crystal Structure of Hexacyanoferrato(III)-bis( $\mu$ -cyano){1,3-bis[(4-methyl-5-imidazol-1-yl)ethylideneamino]propan-2-ol}copper(II) Hexacyanoferrato(III)- $\mu$ -cyano-{1,3-bis[(4-methyl-5-imidazol-1-yl)-ethylideneamino]-propan-2-ol}cuprate(II) Tetradecahydrate (OP) . . . . . 19–22
- Lovrić, M. and Tur'yan, Y. I.:** A Model of CE Mechanism on Spherical Electrodes (OP). . . 189–197
- Mahanti, M. K.:** vidi Chaubey, G. S.
- Majcen-Le Marechal, A.:** vidi Šauperl, O.
- Margetić, D. and Warrenner, R. N.:** *Ab initio* and Semiempirical Modelling of Stereoselectivities of Diels-Alder Cycloadditions of Furan and Cyclopentadiene with Norbornenes (OP) . . . . 357–363
- Markuš, K.:** vidi Fleš, D.

- Meenakshisundaram, S. and Vinothini, R.:** Kinetics and Mechanism of Oxidation of Methionine by Chromium(VI): Edta Catalysis (OP) . . . . . 75–80
- Meić, Z.:** vidi Primožič, I.
- Metelko, B.:** vidi Zovko, M.
- Mihaljević, B. and Ražem, D.:** Monothiocyanato-iron(III) Complex in Dichloromethane-Methanol Solvent Mixture (OP) . . . . . 249–255
- Miličević, A.;** vidi Nikolić, S.
- Miljanić, S. and Cimerman, Z.:** Application of a Novel Lipophilized Derivative of Rhodamine 19 in an Optical Sensor Suitable for Measurements of pH in Alkaline Regions (OP) . . . . . 199–205
- Mirčeski, V. and Gulaboski, R.:** A Theoretical and Experimental Study of a Two-step Quasireversible Surface Redox Reaction by Square-wave Voltammetry (OP) . . . . . 37–48
- Mohan, R.:** vidi Kidwai, M.
- Ng, S. W.:** vidi Long, L.-Sh.
- Nikolić, S., Kovačević, G., Miličević, A., and Trinajstić, N.:** The Zagreb Indices 30 Years After (AR) . . . . . 113–124
- Novak, P.:** vidi Zovko, M.
- Ostrovskii, V. A.:** vidi Trifonov, R. E.
- Piasecki, W.:** vidi Rudziński, W.
- Piližota, V.:** vidi Fleš, D.
- Piližota, V.:** vidi Kajfež, T.
- Pisanski, T.:** vidi Diudea, M. V.
- Pokrić, B.:** vidi Graovac, A.
- Primorac, M.:** vidi Diudea, M. V.
- Primožič, I., Hrenar, T., Tomić, S., and Meić, Z.:** Structural Basis for Selectivity of Butyrylcholinesterase towards Enantiomeric Quinuclidin-3-yl Benzoates: a Quantum Chemical Study (OP) . . . . . 93–99
- Raos, N.:** Mean Molecular Radius and the Wiener Number: A Quest for Meaning (OP) . . . . . 81–85
- Rapić, V.:** vidi Kovač, V.
- Rapić, V.:** vidi Kovač, V.
- Rastogi, Sh.:** vidi Kidwai, M.
- Raza, Z.:** vidi Čaplar, V.
- Ražem, D.:** vidi Mihaljević, B.
- Ren, Y.-P.:** vidi Long, L.-Sh.
- Roje, M.:** vidi Šepac, D.
- Ruby:** vidi Kidwai, M.
- Rudziński, W. and Piasecki, W.:** Theoretical Description of Calorimetric Effects of Proton Adsorption on Metal Oxides from Electrolyte Solutions Based on 1-pK and 2-pK Surface Protonation Models (FA) . . . . . 279–286
- Sfiligoj-Smole, M.:** vidi Šauperl, O.
- Shcherbinin, M. B.:** vidi Trifonov, R. E.
- Shenhar, A.:** vidi Kardash-Strochkova, E.
- Siódmiak, J.:** vidi Gadomski, A.
- Sluban, B. and Šauperl, O.:** Least Metameric Recipe Formulation (OP) . . . . . 161–166
- Stana-Kleinschek, K.:** vidi Šauperl, O.
- Strukan, N.:** vidi Cindrić, M.
- Subotić, B.:** vidi Krznarić, I.
- Šauperl, O., Stana-Kleinschek, K., Vončina, B., Sfiligoj-Smole, M., and Majcen-Le Marechal, A.:** Application of Spectrophotometric Methods in Assessing the Influence of Alkaline Treatment on the Degree of Crosslinking of Cotton Cellulose with BTCA (OP) . . . . . 293–298
- Šauperl, O.:** vidi Sluban, B.
- Šepac, D., Roje, M., Hamersak, Z., and Šunjić, V.:** Comparative Study of 1,5-Dinitrogen Schiff Bases as Potential Ligands in Palladium-Catalyzed Allylic Alkylation (OP) . . . . . 235–239
- Šepac, D.:** vidi Višnjevac, A.
- Šinko, G.:** vidi Kovarik, Z.
- Šmit, G.:** Magnetite and Maghemite as Gold-Supports for Catalyzed CO Oxidation at Low Temperature (N) . . . . . 269–271
- Štrukelj, B.:** vidi Javernik Rajh, S.
- Šunjić, V.:** vidi Šepac, D.
- Taher, M. A.:** Flame Atomic Absorption Spectrometric Determination of Trace Lead after Solid-Liquid Extraction and Preconcentration Using 1-(2-Pyridylazo)-2-naphthol (N) . . . . . 273–277
- Tamhina, B.:** vidi Gojmerac Ivšić, A.
- Thompson, R. W.:** vidi Krznarić, I.
- Tibljaš, D.:** vidi Frančišković-Bilinski, S.
- Tomić, S.:** vidi Primožič, I.
- Trifonov, R. E., Gaenko, A. V., Vergizov, S. N., Shcherbinin, M. B., and Ostrovskii, V. A.:** A Theoretical and Experimental Study of Dipole Moments of 3-Aminofurazans (OP) . . . . . 177–182
- Trinajstić, N.:** Editorial . . . . . VII
- Trinajstić, N.:** vidi Amić, D.
- Trinajstić, N.:** vidi Nikolić, S.
- Trinajstić, N.:** vidi Vukičević, D.
- Tur'yan, Y. I.:** vidi Kardash-Strochkova, E.
- Tur'yan, Y. I.:** vidi Lovrić, M.
- Tušek-Božić, Lj.:** vidi Višnjevac, A.
- Vergizov, S. N.:** vidi Trifonov, R. E.
- Vesnaver, G.:** Letters to the Editor . . . . . A1
- Vikić-Topić, D.:** vidi Fleš, D.

- Vikić-Topić, D.:** vidi Graovac, A.
- Vinothini, R.:** vidi Meenakshisundaram, S.
- Višnjevac, A., Tušek-Božić, Lj., Šepac, D., Hameršak, Z., and Kojić-Prodić, B.:** The Synthesis and Crystal Structures of 7-Bromo-1,3-dihydro-1-methyl-3(*S*)-methyl-5-(2'-pyridyl)-2*H*-1,4-benzodiazepin-2-one and Its Cu<sup>II</sup> Complex (OP) . . . 107–112
- Vojković, V. and Drušković, V.:** Simultaneous Determination of Palladium(II) and Gold(III) in Mixtures by Third Derivative Spectrophotometry Using 3-Hydroxy-2-methyl-1-phenyl-4-pyridone Ligand (OP) . . . . . 87–92
- Vojković, V.:** vidi Drušković, V.
- Vončina, B.:** vidi Šaupertl, O.
- Vrdoljak, V.:** vidi Cindrić, M.
- Vrečer, E.:** vidi Javernik Rajh, S.
- Vukičević, D. and Trinajstić, N.:** Modified Zagreb  $M_2$  Index – Comparison with the Randić Connectivity Index for Benzenoid Systems (N) . . . . . 183–187
- Vuković, R.:** vidi Fleš, D.
- Warrener, R. N.:** vidi Margetić, D.
- Wolsperger, K.:** vidi Fleš, D.
- Zelić, M.:** Electrochemical Reduction of Europium(3+) at Increasing Concentrations of Different Salts. Part I. Voltammetric Measurements (OP) . . . 241–248
- Zhao, J.-F.:** vidi Gao, H.-W.
- Zheng, L.-S.:** vidi Long, L.-Sh.
- Zmazek, B. and Žerovnik, J.:** Computing the Weighted Wiener and Szeged Number on Weighted Cactus Graphs in Linear Time (OP) . . . . . 137–143
- Zorc, B.:** vidi Kalčić, I.
- Zorc, B.:** vidi Zovko, M.
- Zorc, B.:** vidi Zovko, M.
- Zovko, M., Kalčić, I., Zorc, B., and Butula, I.:** IR Spectroscopy Study of the Amidation Reaction of *N*-(1-Azolecarbonyl)amino Acids on L-Phenylalanine Derivative Models (OP) . . . . . 229–233
- Zovko, M., Zorc, B., Jadrijević-Mladar Takač, M., Metelko, B., and Novak, P.:** The Novel Ketoprofenamides: Synthesis and Spectroscopic Characterization (OP) . . . . . 335–341
- Zovko, M.:** vidi Kalčić, I.
- Žerovnik, J.:** vidi Zmazek, B.
- Žinić, M.:** vidi Čaplar, V.