

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions II

Physical Organic Chemistry

CONTENTS

- 1199 Molecular structure and smectic properties. Part 1. The effect of linkages on smectic A thermal stability in three aromatic ring compounds linked by ester groups **Yoshiaki Sakurai, Shunsuke Takenaka, Hajime Miyake, Hidefumi Morita, and Tetsuya Ikemoto**
- 1205 Cross-interaction constants as a measure of the transition-state structure. Part 4. Brønsted-type cross-interaction constants **Ikchoon Lee, Chang Sub Shim, and Hai Whang Lee**
- 1209 Intramolecular cyclization of 1-(3-bromopropyl)uracils **Maria Dezor-Mazur, Henryk Koraniak, Jerzy J. Langer, and Krzysztof Golankiewicz**
- 1213 *N*-Hydroxy amides. Part 8. Synthesis and iron(III)-holding properties of di- and tri-hydroxamic acids extending from benzene-di- and -tri-carbonyl units through oligo(ethyleneoxy) arms **Masayasu Akiyama, Akira Katoh, and Takuya Ogawa**
- 1219 The reactivity of some primary amines in S_N2Ar reactions with 2- and 4-chloro-1-methylpyridinium ions **Eugênia Cristina Souza Brenelli and Paulo José Samenho Moran**
- 1223 The kinetic effects of water and of cyclodextrins on Diels–Alder reactions. Host–guest chemistry. Part 18 **Naresh K. Sangwan and Hans-Jörg Schneider**
- 1229 The Schiff base between pyridoxal-5'-phosphate and hexylamine. Equilibria in solution **Manuel Blazquez, Jose M. Sevilla, Juana Perez, Manuel Dominguez, and Francisco Garcia-Blanco**
- 1237 Guanidinium trinitromethanide **Ashwin M. Krishnan, Per Sjöberg, Peter Politzer, and Joseph H. Boyer**
- 1243 Conformational equilibria of hydrochloride salts of pethidine, ketobemidone, and related central analgesics of the 4-aryl piperidine class **Alan F. Casy, George H. Dewar, and Omar A. A. Al-Deeb**
- 1249 A nuclear magnetic resonance and molecular-modelling study of cyclohexylamine and several *N*-substituted derivatives and their hydrochloride salts **J. Graham Dawber and Jeremy Massey-Shaw**
- 1255 Dehalogenation reactions in chemical ionization mass spectrometry **Kunnath P. Madhusudanan, Vemisetty S. Murthy, and Daniel Fraise**
- 1261 Proton transfer from amides to hydroxide ion and buffers in 70% (v/v) Me_2SO-H_2O **Neil E. Briffett and Frank Hibbert**
- 1265 Isoxazolinyldioxepins. Part 1. Structure–reactivity studies of the hydrolysis of oxazolinyldioxepin derivatives **Patrick Camilleri, David Munro, Karen Weaver, David J. Williams, Henry S. Rzepa, and Alexandra M. Z. Slawin**
- 1271 Isoxazolinyldioxepins. Part 2. The partitioning characteristics and the complexing ability of some oxazolinyldioxepin diastereoisomers **Patrick Camilleri, David Munro, Karen Weaver, David J. Williams, and Henry S. Rzepa**
- 1275 Structural studies on bio-active compounds. Part 12. Tautomerism and conformation of aryl-substituted 1-(2-hydroxyphenyl)-3-phenylpropane-1,3-diones in the solid phase and in solution **Bernadette D. M. Cunningham, Philip R. Lowe, and Michael D. Threadgill**

- 1285 Preparation and magnetic properties of a range of metal and organic cation salts of 2,3-dicyano-1,4-naphthoquinone (DCNQ). X-Ray crystal structure of (methyltriphenylphosphonium)₁ (DCNQ)₁ (H₂O)₁ and 2-dicyanomethylene indan-1,3-dione (DCID). The rearrangement of DCID to DCNQ **Martin R. Bryce, Stephen R. Davies, Masihul Hasan, Geoffrey J. Ashwell, Marek Szablewski, Michael G. B. Drew, Richard Short, and Michael B. Hursthouse**
- 1293 Photochemically induced hydrogen abstraction by carbon radicals in an adamantane matrix: generation and photochemical cleavage of 2-adamantyl radicals **Hans-Gert Korth, Fritz Lange, Fritz Lübbe, Wolfgang Müller, Margret Seidel, and Reiner Sustmann**
- 1299 Studies of intramolecular hydrogen bonds: protonation of keto and enol forms of β -diketones by hydrogen bromide in dibromodifluoromethane **David R. Clark, John Emsley, and Frank Hibbert**
- 1303 Oxidation of 2,4-di-*t*-butylphenol with *t*-butyl hydroperoxide catalysed by copper(II)-ethylenediamine complexes **Keiko Kushioka, Iwao Tanimoto, and Kazuhiro Maruyama**
- 1309 Thermal stability of phosphinoacetic acids **Johannes A. van Doorn and Nico Meijboom**
- 1315 Bromination reactions of 2-substituted derivatives of 7-oxabicyclo[2.2.1]hept-5-ene **Odón Arjona, Roberto Fernández de la Pradilla, Leopoldo García, Araceli Mallo, and Joaquín Plumet**
- 1319 Nitrosation by alkyl nitrites. Part 5. Kinetics and mechanism of reactions in acetonitrile **Michael J. Crookes and D. Lyn H. Williams**
- 1323 Kinetics and mechanism of the oxidation of some chelating agents by perbenzoic acids **D. Martin Davies and Roland M. Jones**
- 1327 Charge-transfer complexes of imidazole-2-thiones and *N,N'*-dialkylthioureas with sulphur dioxide **Andrzej Suszka**
- 1335 Decomposition of diacyl peroxides. Part 9. Mechanism of the carboxy-inversion process in the thermal decomposition of benzoyl cyclohexanecarbonyl peroxide and related diacyl peroxides **Ken Fujimori and Shigeru Oae**
- 1349 2,3-Dihydro-1*H*-benzo[*c*]pyrazolo[1,2-*a*]cinnolines and derived radical cations **Franz A. Neugebauer and Hans Fischer**

AUTHOR INDEX

- Akiyama, Masayasu, 1213
Al-Deeb, Omar A. A., 1243
Arjona, Odón, 1315
Ashwell, Geoffrey J., 1285
Blazquez, Manuel, 1229
Boyer, Joseph H., 1237
Brenelli, Eugênia Cristina Souza, 1219
Briffett, Neil E., 1261
Bryce, Martin R., 1285
Camilleri, Patrick, 1265, 1271
Casy, Alan F., 1243
Clark, David R., 1299
Crookes, Michael J., 1319
Cunningham, Bernadette D. M., 1275
Davies, D. Martin, 1323
Davies, Stephen R., 1285
Dawber, J. Graham, 1249
Dewar, George H., 1243
Dezor-Mazur, Maria, 1209
Dominguez, Manuel, 1229
Drew, Michael G. B., 1285
Emsley, John, 1299
Fischer, Hans, 1349
Fraisse, Daniel, 1255
Fujimori, Ken, 1335
García, Leopoldo, 1315
García-Blanco, Francisco, 1229
Golankiewicz, Krzysztof, 1209
Hasan, Masihul, 1285
Hibbert, Frank, 1261, 1299
Hursthouse, Michael B., 1285
Ikemoto, Tetsuya, 1199
Jones, Roland M., 1323
Kato, Akira, 1213
Koraniak, Henryk, 1209
Korth, Hans-Gert, 1293
Krishnan, Ashwin M., 1237
Kushioka, Keiko, 1303
Lange, Fritz, 1293
Langer, Jerzy J., 1209
Lee, Hai Whang, 1205
Lee, Ikchoon, 1205
Lowe, Philip R., 1275
Lübbe, Fritz, 1293
Madhusudanan, Kunnath P., 1255
Mallo, Araceli, 1315
Maruyama, Kazuhiro, 1303
Massey-Shaw, Jeremy, 1249
Meijboom, Nico, 1309
Miyake, Hajime, 1199
Moran, Paulo José Samenho, 1219
Morita, Hidefumi, 1199
Müller, Wolfgang, 1293
Munro, David, 1265, 1271
Murthy, Vemisetty S., 1255
Neugebauer, Franz A., 1349
Oae, Shigeru, 1335
Ogawa, Takuya, 1213
Perez, Juana, 1229
Plumet, Joaquín, 1315
Politzer, Peter, 1237
de la Pradilla, Roberto Fernández, 1315
Rzepa, Henry S., 1265, 1271
Sakurai, Yoshiaki, 1199
Sangwan, Naresh K., 1223
Schneider, Hans-Jörg, 1223
Seidel, Margret, 1293
Sevilla, Jose M., 1229
Shim, Chang Sub, 1205
Short, Richard, 1285
Sjoberg, Per, 1237
Slawin, Alexander M. Z., 1265
Sustmann, Reiner, 1293
Suszka, Andrzej, 1327
Szablewski, Marek, 1285
Takenaka, Shunsuke, 1199
Tanimoto, Iwao, 1303
Threadgill, Michael D., 1275
van Doorn, Johannes A., 1309
Weaver, Karen, 1265, 1271
Williams, D. Lyn H., 1319
Williams, David J., 1265, 1271

NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

