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SYNTHESIS**

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edited by

Sigeru TORII

Department of Industrial Chemistry, School of Engineering
Okayama University, Okayama 700, Japan



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List of Contributors

Numbers in parentheses refer to the pages on which a contributor's paper begins.

- Abe, Kyo (253) Department of Chemistry, Faculty of Science, Osaka City University, Osaka 558, Japan
- Aihara, Shin (75) Department of Chemistry, University of Tsukuba, Sakura-mura, Ibaraki 305, Japan
- Aizawa, Masuo (353) Department of Bioengineering, Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo 152, Japan
- Akaba, Ryoichi (75) Department of Chemistry, Gunma Technical College, Maebashi, Gunma 371, Japan
- Akiba, Uichi (401) Pharmaceutical Institute, Tohoku University, Sendai 980, Japan
- An-Cheng Chang (361) Department of Chemistry, University of Minnesota, Minneapolis, Minnesota 55455, U.S.A.
- Angély, L. (373) Laboratoire d'Electrochimie, U.A. CNRS n° 439, Université de Rennes I, Campus de Beaulieu, 35042 Rennes Cédex, France
- Aoshima, Atsushi (415) Asahi Chemical Industry Co., Ltd., Fuji-shi, Shizuoka 416, Japan
- Arai, Kenji (265) Faculty of Pharmaceutical Sciences, Hoshi University, Shinagawa-ku, Tokyo 142, Japan
- Aramata, Akiko (337) Research Institute for Catalysis, Hokkaido University, Sapporo 060, Japan
- Ashmawy, M. I. Al (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Baizer, Manuel M. (171) Department of Chemistry, University of California, Santa Barbara, California 93106, U.S.A.
- Balasubramanian, K.K. (223) Department of Chemistry, Indian Institute of Technology, Madras-600 036, India
- Barba, Fructuoso (195) Department of Organic Chemistry, Faculty of Chemistry, University of Murcia, Murcia 30001, Spain
- Becker, J.Y. (17, 49) Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva 84120, Israel
- Beisswenger, Rudolf (105) Institut für Organische Chemie, Universität Tübingen, D-7400 Tübingen, F.R.G.
- Bloom, A.J. (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Boa, J. (67) Institute of General and Physical Chemistry, University of Szeged, Hungary

vi List of Contributors

- Bobbitt, James M. (25) Department of Chemistry, University of Connecticut, Storrs, Connecticut 06268, U.S.A.
- Brooks, William N. (445) Imperial Chemical Industries PLC, Mond Division, Technical Department Laboratory, PO Box 7, Winnington, Northwich, Cheshire CW8 4DJ, England
- Bujoli, Bruno (203) Laboratoire de Chimie Organique, UA CNRS n° 475 - 2, rue de la Houssinière, 44072 Nantes Cédex, France
- Chaney, G.A. (245) Reilly Tar and Chemical Corporation, 1500 S. Tibbs Avenue, P.O. Box 41076, Indianapolis, Indiana 46241, U.S.A.
- Chen Piya (153) Department of Chemical Engineering of Energy Resource, East China Institute of Chemical Technology, Shanghai, China
- Claus, H. (227) Department of Organic Chemistry, University of Münster, Orleansring 23, D-4400 Münster, F.R.G.
- Comninellis, Ch. (463) Institut de Génie Chimique, Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne, Switzerland
- Dapperheld, Steffen (127) Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300 Bonn 1, F.R.G.
- Delabougliise, Didier (381, 385) Laboratoire de Chimie Organique du Conservatoire National des Arts et Métiers (U.A. CNRS 1103) 292, rue Saint-Martin, 75141 Paris Cédex 03, France
- Diaz, A.F. (343) IBM Research, Almaden Research Center, 650 Harry Road, San Jose, California 95120-6099, U.S.A.
- Do, Quang Tho (257) Laboratoire d'Electrochimie Organique U.A. CNRS n° 439, Université Catholique de l'Ouest, B.P. 808, 49005 Angers, France
- Elall Eatedal H.M. Abd (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Etoh, Hideo (53) Faculty of Pharmacy, Meijo University, Tempaku-ku, Nagoya 468, Japan
- Feldhues, U. (161) Department of Organic Chemistry, University of Münster, Orleansring 23, D-4400 Münster, F.R.G.
- Filardo, Giuseppe (165, 287) Chemical Engineering Department, Palermo University, 90128 Palermo, Italy
- Flores, M.C. (25) Department of Chemistry, University of Connecticut, Storrs, Connecticut 06268, U.S.A.
- Fox, D.P. (171) Department of Chemistry, University of California, Santa Barbara, California 93106, U.S.A.
- Forsyth, S.R. (61) Department of Chemistry, The University, Southampton SO9 5NH, England
- Fry, Albert J. (311) Department of Chemistry, Wesleyan University, Middletown, Connecticut 06457, U.S.A.
- Fuchigami, Toshio (45) Department of Electronic Chemistry, Tokyo Institute of Technology, Midori-ku, Yokohama 227, Japan
- Fujishima, Akira (389, 401) Department of Synthetic Chemistry, Faculty of Engineering, The University of Tokyo, Tokyo 113, Japan

- Gambino, Salvatore (165, 287) Department of Chemical Engineering, Palermo University, 90128 Palermo, Italy
- Garreau, Robert (381, 385) Laboratoire de Chimie Organique du Conservatoire National des Arts et Métiers (U.A. CNRS 1103), 292, rue Saint-Martin 75141 Paris Cédex 03, France
- Genders, J.D. (299) Department of Chemistry, The University, Southampton SO9 5NH, England
- Gennaro, Armando (321) Dipartimento di Chimica Fisica, Università di Padova, Via Loredan 2, 35131 Padova, Italy
- Giomini, Claudio (219) Department of ICMMPM, Sede Chimica, Facoltà di Ingegneria, Università di Roma, Via del Castro Laurenziano, 7 Roma, Italy
- Girvan, Ian J.M. (445) Imperial Chemical Industries PLC, Mond Division, Technical Department Laboratory, PO Box 7, Winnington, Northwich, Cheshire CW8 4DJ, England
- Grimshaw, James (329) Department of Chemistry, Queen's University, Belfast BT9 5AG, Northern Ireland
- Gupta, Chand Mal (235) Department of Chemistry, University of Rajasthan, Jaipur-302004, India
- Hamatani, Takeshi (307) Department of Industrial Chemistry, School of Engineering, Okayama University, Okayama 700, Japan
- Hansen, John Nyholm (249) Department of Organic Chemistry, University of Aarhus, DK-8000 Aarhus C, Denmark
- Harada, Hiroyuki (467) Research and Development Department, Chlorine Engineers Corp. Ltd., Tokyo 150, Japan
- Hembrock, A. (121) Department of Organic Chemistry, University of Münster, Orleansring 23, D-4400 Münster, F.R.G.
- Heyer, Joachim (127) Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300 Bonn 1, F.R.G.
- Hirai, Taketsugu (253) Department of Applied Chemistry, Faculty of Engineering, Osaka City University, Osaka 558, Japan
- Hirashima, Tsuneaki (303) Osaka Municipal Technical Research Institute, Morinomiya, Jyoto-ku, Osaka 536, Japan
- Holding, A. (299) Department of Chemistry, The University, Southampton SO9 5NH, England
- Honda, Ken-ichi (369) Division of Molecular Engineering, Graduate School of Engineering, Kyoto University, Kyoto 606, Japan
- Huang Youqin (153) Department of Chemical Engineering of Energy Resource, East China Institute of Chemical Technology, Shanghai, China
- Iguchi, Masanobu (53) Faculty of Pharmacy, Meijo University, Tempaku-ku, Nagoya 468, Japan
- Ikeda, Yoshikazu (145) Synthetic Chemistry Division, National Chemical Laboratory for Industry Yatabe, Ibaraki 305, Japan
- Inaba, Minoru (409) Department of Industrial Chemistry, Faculty of Engineering, Kyoto University, Sakyo-ku, Kyoto 606, Japan
- Isoe, Sachihiko (85) Institute of Organic Chemistry, Faculty of Science, Osaka City University, Sumiyoshi, Osaka 558, Japan

viii List of Contributors

- Isoya, Toshiro (415) Asahi Chemical Industry Co., Ltd., Fuji-shi, Shizuoka 416, Japan
- Isse, Abdrrisak Ahmed (321) Dipartimento di Chimica Fisica, Università di Padova, Via Loredan 2, 35131 Padova, Italy
- Ito, Sotaro (333) Department of Applied Chemistry, Faculty of Engineering, Hiroshima University, Hiroshima 724, Japan
- Iyoda, Tomokazu (369) Division of Molecular Engineering, Graduate School of Engineering, Kyoto University, Kyoto 606, Japan
- Jekó, J. (67) Institute of General and Physical Chemistry, University of Szeged, Hungary
- Jubault, Michel (203) Laboratoire d'Electrochimie, UA CNRS n° 439, Campus de Beaulieu, 35042 Rennes Cédex, France
- Kariv-Miller, Essie (283) Department of Chemistry, University of Minnesota, Minneapolis, Minnesota 55455, U.S.A.
- Kashimura, Shigenori (41) Department of Synthetic Chemistry, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
- Kashiwase, Masaharu (467) Research & Development Department, Chlorine Engineers Corp., Ltd., Tokyo 150, Japan
- Kato, Tamihiko (389) Department of Applied Chemistry, Nagoya Institute of Technology, Showa-ku, Nagoya 466, Japan
- Kato, Yoshinobu (deceased) (53) Faculty of Pharmacy, Meijo University, Tempaku-ku, Nagoya 468, Japan
- Kaulen, H. (161) Department of Organic Chemistry, University of Münster, Orleansring 23, D-4400 Münster, F.R.G.
- Kawai, Ken-ichi (265) Faculty of Pharmaceutical Sciences, Hoshi University, Shinagawa-ku, Tokyo 142, Japan
- Khalifa, Hassen (105) Institut für Organische Chemie, Universität Tübingen, D-7400 Tübingen, F.R.G.
- Kimura, Makoto (269) Department of Applied Chemistry, Faculty of Engineering, Nagoya University, Chikusa-ku, Nagoya 464, Japan
- Kinoshita, Kouji (157) Osaka Organic Chemical Industry Ltd., Osaka 582, Japan
- Kitagawa, Isao (97) Faculty of Pharmaceutical Sciences, Osaka University, Suita, Osaka 565, Japan
- Kitani, Akira (377) Department of Applied Chemistry, Faculty of Engineering, Hiroshima University, Hiroshima 724, Japan
- Kunugi, Akira (253) Department of Applied Chemistry, Faculty of Engineering, The University of Tokushima, Tokushima 770, Japan
- Kurata, Tsunehiko (269) Department of Applied Chemistry, Faculty of Engineering, Nagoya University, Nagoya 464, Japan
- LaCroix, Jean Christophe (343) IBM Research, Almaden Research Center, 650 Harry Road, San Jose, California 95120-6099, U.S.A.
- Le Berre, V. (373) Laboratoire d'Electrochimie, U.A. CNRS n° 439, Université de Rennes I, Campus de Beaulieu, 35042 Rennes Cédex, France
- Le Guillanton, Georges (257) Laboratoire d'Electrochimie Organique (U.A. CNRS n° 439) Université Catholique de l'Ouest, B.P. 808, 49005 Angers, France

- Lemaire, Marc (381, 385) Laboratoire de Chimie Organique du Conservatoire National des Arts et Métiers (U.A. CNRS 1103), 292, rue Saint-Martin 75141 Paris Cédex 03, France
- Lipsztajn, M. (441) The Electrosynthesis Co. Inc., P.O. Box 16 East Amherst, New York 14051, U.S.A.
- Little, R. Daniel (171) Department of Chemistry, University of California, Santa Barbara, California 93106, U.S.A.
- Luca, Carlo De (219) Department of ICMPM, Sede Chimica, Facoltà di Ingegneria, Università di Roma, Via del Castro Laurenziano, 7 Roma, Italy
- Lund, Henning (179, 249) Department of Organic Chemistry, University of Aarhus, DK-8000 Århus C, Denmark
- Maeda, H. (29) Faculty of Pharmaceutical Sciences, Osaka University, Suita, Osaka 565, Japan
- Maekawa, Eturô (389) Department of Applied Chemistry, Nagoya Institute of Technology, Showa-ku, Nagoya 466, Japan
- Manda, E. (145) Synthetic Chemistry Division, National Chemical Laboratory for Industry, Yatabe, Ibaraki 305, Japan
- Maran, Flavio (231) Dipartimento di Chimica Fisica, Università di Padova, Via Loredan 2, 35131 Padova, Italy
- Masui, Masaichiro (29, 137) Faculty of Pharmaceutical Sciences, Osaka University, Osaka 565, Japan
- Masumizu, Tatsuya (265) Faculty of Pharmaceutical Sciences, Hoshi University, Shinagawa-ku, Tokyo 142, Japan
- Matsuda, Yoshiharu (71) Department of Industrial Chemistry, Faculty of Engineering, Yamaguchi University, Ube 755, Japan
- Matsue, Tomokazu (401) Department of Applied Chemistry, Tohoku University, Sendai 980, Japan
- Matsumoto, Mutsuyoshi (145) Synthetic Chemistry Division, National Chemical Laboratory for Industry, Yatabe, Ibaraki 305, Japan
- Matsumoto, Shigeaki (157) Osaka Organic Chemical Industry Ltd., Osaka 582, Japan
- Mazur, D.J. (441) The Electrosynthesis Co. Inc., P.O. Box 16, East Amherst, New York 14051, U.S.A.
- Mellor, John M. (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Miller, Larry L. (361) Department of Chemistry, University of Minnesota, Minneapolis, Minnesota 55456, U.S.A.
- Misra, Ram A. (37) Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi 221005, India
- Mitulidis, Ilias (105) Institut für Organische Chemie, Universität Tübingen, D-7400 Tübingen, F.R.G.
- Miyabe, Yoshiyuki (53) Faculty of Pharmacy, Meijo University, Tempaku-ku, Nagoya 468, Japan
- Mlcoch, Jiri (79) Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300 Bonn 1, F.R.G.
- Moëns, Luc (171) Department of Chemistry, University of California, Santa Barbara, California 93106, U.S.A.
- Mohamed I Al Ashmawy (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Mori, Miwako (89) Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo 060, Japan
- Morita, Masayuki (71) Department of Industrial Chemistry, Faculty of Engineering, Yamaguchi University, Ube 755, Japan

x List of Contributors

- Mortreux, André (315) Laboratoire de Chimie Organique Appliquée,
ENSC Lille, UA CNRS 402, BP 108, 59652 Villeneuve
d'Ascq, France
- Nakagawa, Koji (415) Asahi Chemical Industry Co., Ltd., Fuji-shi,
Shizuoka 416, Japan
- Nakahara, Takao (307) Department of Industrial Chemistry, School of
Engineering, Okayama University, Okayama 700, Japan
- Nakajima, Shoichi (265) Faculty of Pharmaceutical Sciences, Hoshi
University, Shinagawa-ku, Tokyo 142, Japan
- Nakamura, Kensuke (117) Department of Chemistry, Faculty of Science
and Technology, Keio University, Hiyoshi, Yokohama 223,
Japan
- Nakatani, Shogo (85) Institute of Organic Chemistry, Faculty of
Science, Osaka City University, Sumiyoshi, Osaka 558,
Japan
- Nishiguchi, Ikuzo (303) Osaka Municipal Technical Research Institute,
Jyoto-ku, Osaka 536, Japan
- Nishiyama, Atsuko (53) Faculty of Pharmacy, Meijo University,
Tempaku-ku, Nagoya 468, Japan
- Noma, Naoki (365) Department of Applied Chemistry, Faculty of
Engineering, Osaka University, Osaka 565, Japan
- Nonaka, T. (45) Department of Electronic Chemistry, Tokyo Institute
of Technology, Midori-ku, Yokohama 227, Japan
- Novák, M. (67) Institute of General and Physical Chemistry University
of Szeged, Hungary
- Nozawa, Koohei (265) Faculty of Pharmaceutical Sciences, Hoshi
University, Shinagawa-ku, Tokyo 142, Japan
- Ogumi, Zempachi (409) Department of Industrial Chemistry, Faculty of
Engineering, Kyoto University, Kyoto 606, Japan
- Ogawa, Fujio (157) Osaka Organic Chemical Industry Ltd., Osaka 582,
Japan
- Ohmizu, Hiroshi (241) Research Laboratory of Applied Biochemistry,
Tanabe Seiyaku Co. Ltd., Yodogawa, Osaka 532, Japan
- Ohmori, H. (29) Faculty of Pharmaceutical Sciences, Osaka University,
Osaka 565, Japan
- Ohta, Konomi (41) Department of Synthetic Chemistry, Faculty of
Engineering, Kyoto University, Kyoto 606, Japan
- Ohtsuki, Osamu (245) Research Laboratory of Applied Biochemistry,
Tanabe Seiyaku Co., Ltd., Yodogawa, Osaka 532, Japan
- Ohnishi, Ryuichiro (337) Research Institute for Catalysis, Hokkaido
University, Sapporo 060, Japan
- Ohtani, Akira (369) Division of Molecular Engineering, Graduate
School of Engineering, Kyoto University, Kyoto 606,
Japan
- Oi, Ryu (215) Research Dept., Omuta Factory, Mitsui Toatsu Chemicals
Inc., Omuta, Fukuoka 836, Japan
- Okuno, Yoshishige (117) Department of Chemistry, Faculty of Science
and Technology, Keio University, Hiyoshi, Yokohama 223,
Japan
- Osa, Tetsuo (187, 401) Pharmaceutical Institute, Tohoku University,
Aobayama, Sendai 980, Japan
- Otsuji, Yoshio (211) Department of Applied Chemistry, College of
Engineering, University of Osaka Prefecture, Sakai,
Osaka 591, Japan

- Owton, W. Martin (33) Department of Chemistry, The University,
Southampton SO9 5NH, England
- Peters, Dennis G. (261) Department of Chemistry, Indiana University,
Bloomington, Indiana 47405, U.S.A.
- Petit, Francis (315) Laboratoire de Chimie Organique Appliquée, ENSC
Lille, UA CNRS 402, BP 108, 59652 Villeneuve d'Ascq,
France
- Platen, Martin (127) Institut für Organische Chemie und Biochemie
der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300,
Bonn 1, F.R.G.
- Plattner, E. (463) Institut de Génie Chimique, Ecole Polytechnique
Fédérale de Lausanne, CH-1015 Lausanne, Switzerland
- Pletcher, D. (61, 299) Department of Chemistry, The University,
Southampton SO9 5NH, England
- Rampazzo, Liliana (219) Department of ICMMPM, Sede Chimica, Facoltà
di Ingegneria, Università di Roma, Via del Castro
Laurenziano, 7 Roma, Italy
- Rault-Berthelot (373) Laboratoire d'Electrochimie, U.A. CNRS n° 439,
Université de Rennes I, Campus de Beaulieu, 35042
Rennes Cédex, France
- Reicher, M. (441) The Electrosynthesis Co. Inc., P.O. Box 16, East
Amherst, New York 14051, U.S.A.
- Rieker, Anton (57, 105) Institut für Organische Chemie, Universität
Tübingen, D-7400 Tübingen, F.R.G.
- Roncali, Jean (381, 385) Laboratoire de Photochimie Solaire du Centre
National de la Recherche Scientifique, E.R. 241, 2-8,
rue Henri Dunant, 94310 Thiais, France
- Ruhe, Annette (325) Institute of Organic Chemistry, University of
Bern, Freiestrasse 3, CH-3012 Bern, Switzerland
- Ruholl, H. (161) Department of Organic Chemistry, University of
Münster, Orleansring 23, D-4400 Münster, F.R.G.
- Saeki, Yoshiaki (157) Osaka Organic Chemical Industry Ltd., Osaka
582, Japan
- Sakaguchi, Kazuhiko (85) Institute of Organic Chemistry, Faculty of
Science, Osaka City University, Sumiyoshi, Osaka 558,
Japan
- Sakuragi, Hirochika (75) Department of Chemistry, University of
Tsukuba, Sakura-mura, Ibaraki 305, Japan
- Sasaki, Kazuo (333, 377) Department of Applied Chemistry, Faculty of
Engineering, Hiroshima University, Hiroshima 724,
Japan
- Sawaki, Yasuhiko (269) Department of Applied Chemistry, Faculty of
Engineering, Nagoya University, Nagoya 464, Japan
- Schäfer, H.J. (3, 121, 161, 227) Department of Organic Chemistry,
University of Münster, Orleansring 23, D-4400 Münster,
F.R.G.
- Scheffold, Rolf (275, 325) Institute of Organic Chemistry, University
of Bern, Freiestrasse 3, CH-3012 Bern, Switzerland
- Schneider, Hans Peter (57) Institut für Organische Chemie, Univer-
sität Tübingen, D-7400 Tübingen, F.R.G.
- Schumacher, Klemens (127) Institut für Organische Chemie und Bio-
chemie der Universität Bonn, Gerhard-Domagk-Str. 1,
D-5300 Bonn 1, F.R.G.

xii List of Contributors

- Shakur, Elias (45) Department of Chemistry, Ben-Gurion University of the Negev, Beer Sheva 84120, Israel
- Sharma, Digish Kumar (235) Department of Chemistry, University of Rajasthan, Jaipur-302004, India
- Sharma, Vijendra Kumar (235) Department of Chemistry, University of Rajasthan, Jaipur-302004, India
- Shaw, Chy-hei (265) Faculty of Pharmaceutical Sciences, Hoshi University, Shinagawa-ku, Tokyo 142, Japan
- Shigemori, Hideyuki (117) Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi, Yokohama 223, Japan
- Shimakawa, Chitoshi (215) Research Dept., Omuta Factory, Mitsui Toatsu Chemicals, Inc., Omuta, Fukuoka 836, Japan
- Shimidzu, Takeo (369) Division of Molecular Engineering, Graduate School of Engineering, Kyoto University, Kyoto 606, Japan
- Shimokawa, Yasushi (215) Research Dept., Omuta Factory, Mitsui Toatsu Chemicals, Inc., Omuta, Fukuoka 836, Japan
- Shimura, Takehiko (145) Synthetic Chemistry, Division, National Chemical Laboratory for Industry, Yatabe, Ibaraki 305, Japan
- Shindo, Hitoshi (405) National Chemical Laboratory for Industry, Tsukuba Research Center, Yatabe, Ibaraki 305, Japan
- Shinchara, Hiroaki (353) Department of Bioengineering, Tokyo Institute of Technology, Meguro-ku, Tokyo 152, Japan
- Shirota, Yasuhiko (365) Department of Applied Chemistry, Faculty of Engineering, Osaka University, Osaka 565, Japan
- Shizuri, Yoshikazu (117) Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi, Yokohama 223, Japan
- Shono, Tatsuya (41) Department of Synthetic Chemistry, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
- Shyamsunder, K. (223) Department of Chemistry, Indian Institute of Technology, Madras-600 036, India
- Silvestri, Giuseppe (165, 287) Chemical Engineering Department, Palermo University, 90128 Palermo, Italy
- Simonet, Guéguen N. (373) Laboratoire d'Electrochimie, U.A. CNRS n° 439, Université de Rennes I, Campus de Beaulieu, 35042 Rennes Cédex, France
- Simonet, Jacques (9, 257, 373) Laboratoire d'Electrochimie, U.A. CNRS n° 439, Université de Rennes I, 35042 Rennes Cédex, France
- Soejima, Takeshi (41) Department of Synthetic Chemistry, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
- Streich, Edgar (57, 105) Institut für Organische Chemie, Universität Tübingen, D-7400 Tübingen, F.R.G.
- Steckhan, Eberhard (79, 127) Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300 Bonn 1, F.R.G.
- Suginome, Hiroshi (113) Department of Chemical Process Engineering, Faculty of Engineering, Hokkaido University, Sapporo 060, Japan
- Susla, Marko (311) Department of Chemistry, Wesleyan University, Middletown, Connecticut 06457, U.S.A.

- Suyama, Kazuharu (117) Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi, Yokohama 223, Japan
- Suzuki, Eiji (53) Faculty of Pharmacy, Meijo University, Tempaku-ku, Nagoya 468, Japan
- Takagishi, Sadahito (157) Osaka Organic Chemical Industry Ltd., Osaka 582, Japan
- Takahashi, Masami (241) Research Laboratory of Applied Biochemistry, Tanabe Seiyaku Co., Ltd., Yodogawa, Osaka 532, Japan
- Takanami, T. (29) Faculty of Pharmaceutical Sciences, Osaka University, Suita, Osaka 565, Japan
- Takano, Nobuhiro (211) Department of Industrial Chemistry, Muroran Institute of Technology, Muroran 050, Japan
- Takehara, Zen-ichiro (409) Department of Industrial Chemistry, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
- Tallec, André (203) Laboratoire d'Electrochimie - UA CNRS n° 439, Campus de Beaulieu - 35042 Rennes Cédex, France
- Takenaka, Shinji (215) Research Dept., Omuta Factory, Mitsui Toatsu Chemicals, Inc., Omuta, Fukuoka 836, Japan
- Takeno, Noboru (211) Department of Applied Chemistry, College of Engineering, University of Osaka Prefecture, Sakai, Osaka 501, Japan
- Tanaka, Hideo (307) Department of Industrial Chemistry, School of Engineering, Okayama University, Okayama 700, Japan
- Taniguchi, Isao (393) Department of Industrial Chemistry, Faculty of Engineering, Kumamoto University, Kurokami, Kumamoto 860, Japan
- Taniguchi, Masatoshi (433) Otsuka Chemical Co., Ltd., Tokushima Research Laboratory, Tokushima 771-01, Japan
- Tezuka, Meguru (295) Saitama Institute of Technology, Okabe, Saitama 369-02, Japan
- Thompson, Allan (449) ICI Fine Chemical Manufacturing Organisation (FCMO), Organics Division, Manchester, England
- Thompson, Norris (329) Department of Chemistry, Queen's University, Belfast BT9 5AG, Northern Ireland
- Tokuda, Masao (113) Department of Chemical Process Engineering, Faculty of Engineering, Hokkaido University, Sapporo 060, Japan
- Tokumaru, Katsumi (75) Department of Chemistry, University of Tsukuba, Sakura-mura, Ibaraki 305, Japan
- Tomiie, Kazuo (467) Research and Development Department, Chlorine Engineers Corp., Ltd. Tokyo 150, Japan
- Toomey, Joseph E. Jr. (245) Reilly Tar & Chemical Corporation, 1500 S. Tibbs Avenue, P.O. Box 41076 Indianapolis, Indianapolis 46241, U.S.A.
- Torii, Sigeru (307) Department of Industrial Chemistry, School of Engineering, Okayama University, Okayama 700, Japan
- Töteberg-Kaulen, Sabine (127) Institut für Organische Chemie und Biochemie der Universität Bonn, Gerhard-Domagk-Str. 1, D-5300 Bonn 1, F.R.G.
- Tse-Chuan Chou (149) Department of Chemical Engineering, National Cheng Kung University, Tainan, Taiwan 70101, R.O.C.
- Tsuchiya, Atsuhiko (295) Saitama Institute of Technology, Okabe, Saitama 369-02, Japan

xiv List of Contributors

- Tsuchiya, Masahiro (75) Department of Chemistry, University of Tsukuba, Sakura-mura, Ibaraki 305, Japan
- Uchida, Isamu (401) Department of Applied Chemistry, Tohoku University, Sendai 980, Japan
- Udupa, H.V.K. (423, 457) Former Director, Central Electro-Chemical Research Institute, Emeritus Professor, Chemical Engineering Department, Manipal Institute of Technology, Manipal - 576119, India
- Venkatachalam, C.S. (223) Department of Chemistry, Indian Institute of Technology, Madras-600 036, India
- Vianello, Elio (231, 321) Dipartimento di Chimica Fisica, Università di Padova, Via Loredan 2, 35131 Padova, Italy
- Walder, Lorenz (325) Institute of Organic Chemistry, University of Bern, Freiestrasse 3, CH-3012 Bern, Switzerland
- Weinberg, E.P. (441) The Electrosynthesis Co. Inc., P.O. Box 16, East Amherst, New York 14051, U.S.A.
- Weinberg, H.R. (441) The Electrosynthesis Co. Inc., P.O. Box 16, East Amherst, New York 14051, U.S.A.
- Weinberg, N.L. (441) The Electrosynthesis Co. Inc., P.O. Box 16, East Amherst, New York 14051, U.S.A.
- Wendt, Hartmut (453) Institut für Chemische Technologie, TH Darmstadt, Petersenstrasse 20, D 6100 Darmstadt, F.R.G.
- Weltz, Michael (311) Department of Chemistry, Wesleyan University, Middletown, Connecticut 06457, U.S.A.
- Wilcox, M. (245) Reilly Tar & Chemical Corporation, 1500 S. Tibbs Avenue, P.O. Box 41076 Indianapolis, Indianapolis 46241, U.S.A.
- Wolin, Ron (171) Department of Chemistry, University of California, Santa Barbara, California 93106, U.S.A.
- Xin-Qin Zhou (361) Department of Chemistry, University of Minnesota, Minneapolis, Minnesota 55455, U.S.A.
- Yabuki, Soichi (353) Department of Bioengineering, Tokyo Institute of Technology, Meguro-ku, Tokyo 152, Japan
- Yamagata, Sadamu (405) Department of Synthetic Chemistry, Faculty of Engineering, The University of Tokyo, Tokyo 113, Japan
- Yamaguchi, Yoshihide (41) Department of Synthetic Chemistry, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
- Yajima, Tatsuhiko (295) Saitama Institute of Technology, Okabe, Saitama 369-02, Japan
- Yamamura, Shosuke (117) Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi, Yokohama 223, Japan
- Yamashita, Shiro (307) Department of Industrial Chemistry, School of Engineering, Okayama University, Okayama 700, Japan
- Yamashita, Tomohiro (113) Department of Chemical Process Engineering, Faculty of Engineering, Hokkaido University, Sapporo 060, Japan
- Yasukouchi, Kazuo (393) Department of Applied Chemistry, Faculty of Engineering, Kumamoto University, Kumamoto 860, Japan

- Yatziv, Shimon (17, 45) Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva 84120, Israel
- Yen Yonjei (153) Department of Chemical Engineering of Energy Resource, East China Institute of Chemical Technology, Shanghai, China
- Yoshida, Jun-ichi (85) Institute of Organic Chemistry, Faculty of Science, Osaka City University, Sumiyoshi, Osaka 558, Japan
- Yoshikawa, Masayuki (97) Faculty of Pharmaceutical Sciences, Osaka University, Suita, Osaka 565, Japan
- Zakaria Abd El Samii (33) Department of Chemistry, The University, Southampton SO9 5NH, England
- Zinger, B. (17, 45) Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva 84120, Israel

Preface

Electroorganic synthesis has been a subject of intensive study, particularly during the past two decades. New information is accumulating daily and the time is now ripe to review the recent advances made in the chemistry of electroorganic synthesis.

This volume comprises the papers presented at the international symposium on electroorganic synthesis held in October 1986 in Kurashiki, Japan. The aim of this conference was to survey all aspects of modern electroorganic synthesis, both academic and industrial. The following topics were covered: (i) Overall Aspects of Electroorganic Synthesis, (ii) Reactions with Electro-generated Active Species, (iii) Electrochemical Mediator Systems for Organic Synthesis, (iv) Electrochemical Conversion of Biomass and C_1 -Compounds, (v) Electrochemical Preparation of Functional Polymers, (vi) Mechanism of Electroorganic Reactions, (vii) Development and Improvement of Electrolysis Cell and Electrode Materials, (viii) Development of Electrolysis Technology and Industrial Application, (ix) Electrochemical Phenomena Related to Organic Synthesis. In these proceedings, the oral and poster presentations have been assembled in the following categories: (I) Electrooxidation, (II) Indirect Electro-oxidation, (III) Electrorreduction, (IV) Metal-mediated Electrorreduction, (V) Conductive Polymers, Electropolymerization and Electrode Surface, (VI) Industrial Application and Cell Design.

The editor is pleased to include herein the paper by Drs. H. Yougin, Y. Yonjei and C. Piya (East China Institute of Chemical Technology), which was scheduled in the program but could not be presented at the symposium.

I wish to take this opportunity to express my gratitude to all the authors who contributed to the proceedings. I am also grateful to my collaborators, Drs. Hideo Tanaka, Tsutomu Inokuchi, and Hiroshi Okumoto for their enthusiastic assistance in preparing this book.

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Sigeru Torii

Department of Industrial Chemistry

School of Engineering

Okayama University