

Aldrichimica Acta Archive Index



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Year	Vol.	No.	Title	Authors	Affiliation
2021	54	1	Preparative Batch-Type Electrosynthesis: A Tutorial	Waldvogel, Siegfried R.; Pollok, Dennis; Gleede, Barbara; Stenglein, Andreas	Johannes Gutenberg University Mainz, Germany
2021	54	1	Reductive Electrosynthesis: A New Dawn	Kim, Hyunwoo and Lin, Song; Park, Steve H; Ju, Minsoo; Ressler, Andrew J.; Shim, Jiwoo	Ewha Womans University, Korea; Cornell University, New York, USA
2021	54	1	Chemistry with Potential: Present Challenges and Emerging Trends in Organic Electrocatalysis	Ackermann, Lutz; Meyera, Tjark H.	Georg-August-Universität Göttingen
2021	54	1	Victor Snieckus (August 1, 1937–December 18, 2020)	Firsan, Sharbil J.	MilliporeSigma, USA
2020	53	1	Asymmetric Catalysis Enabled by Chiral <i>N,N'</i>-Dioxide–Nickel(II) Complexes	Liu, Xiaohua; Feng, Xiaoming; Zhen Wang	Sichuan University
2020	53	1	Asymmetric Allylic Substitutions Catalyzed by Iridium Complexes Derived from C(sp²)–H Activation of Chiral Ligands	You, Shu-Li; Zhang, Xiao	SIOC, Chinese Academy of Sciences
2020	53	1	Recent Advances in Sulfuration Chemistry Enabled by Bunte Salts	Jiang, Xuefeng; Wang, Ming; Li, Yaping	East China Normal University
2020	53	1	P-Chiral Phosphorus Ligands for Cross-Coupling and Asymmetric Hydrogenation Reactions	Jiang, Xuefeng; Wang, Ming; Li, Yaping	SIOC, Chinese Academy of Sciences
2020	53	2	Carbon Dioxide Capture and Recycling to Methanol: Building a Carbon-Neutral Methanol Economy	Prakash, G. K. Surya; Sen, Raktim; Goeppert, Alain	The University of Southern California
2020	53	2	Designing Renewable, High-Performance Solvents with Improved Toxicity Profiles	Clark, James H.; and coauthors	The University of York (Heslington, York, U.K.)
2019	52	1	Remembering Dr. Alfred R. Bader (1924–2018)	Firsan, Sharbil J.	Merck KGaA, Darmstadt, Germany
2019	52	1	Phenothiazines, Dihydrophenazines, and Phenoxazines: Sustainable Alternatives to Precious-Metal-Based Photoredox Catalysts	Miyake, Garret M.; Corbin, Daniel A.; Lim, Chern-Hooi	Colorado State University
2019	52	1	Titanium Salalen Catalysts for the Asymmetric Epoxidation of Terminal (and Other Unactivated) Olefins with Hydrogen Peroxide	Berkessel, Albrecht	University of Cologne, Germany
2019	52	2	Accelerating the Discovery of Next-Generation Small-Molecule Protein Degraders	Schlesiger, Sarah; Toure, Momar; Wilke, Kaelyn E.; Huck, Bayard R.	Merck KGaA, Darmstadt, Germany, EMD Serono R&D Institute, Inc., and MilliporeSigma, USA
2019	52	2	Coumarin-Based Hybrids as Fluorescent Probes for Highly Selective Chemosensing and Biological Target Imaging	Lacerda, Valdemar Jr.; Francisco, Carla Santana; Valim, Thays Cardoso; Neto, Álvaro Cunha	Federal University of Espírito Santo, Goiabeiras Campus, Spain
2019	52	3	DNA-Encoded Fragment Libraries: Dynamic Assembly, Single-Molecule Detection and High-Throughput Hit Validation	Zhang, Yixin; Reddavid, Francesco V.; Thompson, Michael; Mannocci, Luca	Technische Universität Dresden (Germany), DyNAbind (Germany), DECLTech Consulting (Switzerland)
2019	52	3	DNA-Encoded Library Chemistry: Amplification of Chemical Reaction Diversity for the Exploration of Chemical Space	Huang, Ying, and Goodnow, Jr., Robert A.; Savych, Olena; Moroz, Yuii; Chen, Yiyun	Shanghai Institute of Organic Chemistry (China), Pharmaron USA, Chemspace (Latvia); National Taras Shevchenko University of Kyiv (Ukraine)
2018	51	1	The Spectacular Resurgence of Electrochemical Redox Reactions in Organic Synthesis	Echeverria, Pierre-Georges; Delbrayelle, Dominique; Letort, Aurélien; Nomertin, Fiona; Perez, Marc; Petit, Laurent	Minakem Recherche
2018	51	1	Carbon–Carbon π Bonds as Conjunctive Reagents in Cross-Coupling	Engle, Keary M.; Derosa, Joseph; Tran, Van T.; van der Puy, Vincent A.	The Scripps Research Institute
2018	51	2	Continuous-Flow Macrocyclization	Collins, Shawn K.; Godin, Éric; Morin, Émilie	Université de Montréal
2018	51	2	Fluoroenolate-Enabled Monofluorinations and Difluoromethylations	Colby, David A.; Sowalleh, Munia F.	University of Mississippi
2018	51	3	Greener and Sustainable Applications of Phosphorus and Sulfur Ylides	Perosa, Alvise; Cattelan, Lisa; Fiorani, Giulia; Selva, Maurizio	Università Ca' Foscari, Venezia (Italy)
2018	51	3	Trimethylsilyldiazomethane (TMSCHN₂) in Carbon–Carbon and Carbon–Heteroatom Bond-Forming Reactions	Lee, Daesung; Gupta, Saswata	University of Illinois at Chicago
2017	50	1	4-Substituted Prolines: Useful Reagents in Enantioselective Synthesis and Conformational Restraints in the Design of Bioactive Peptidomimetics	Tolomelli, Alessandra; Ferrazzano, Lucia; Amoroso, Rosa	“G. Ciamician” University of Bologna
2017	50	1	Recent Advances in Alkene Metathesis for Natural Product Synthesis—Striking Achievements Resulting from Increased Sophistication in Catalyst Design and Synthesis Strategy	Vanderwal, Christopher D.; Atwood, Brian R.	University of California, Irvine
2017	50	2	Disproportionate Impact of Named Reactions on Chemical Biology	Chan, Jefferson; Bearrood, Thomas E.	University of Illinois at Urbana-Champaign
2017	50	2	Bioconjugation—A Versatile and Essential Research Tool	Hermanson, Greg T.	Bioscience Consulting Services
2017	50	3	Palladium-Catalyzed meta- and para-C–H Bond Functionalizations Assisted by a Directing Group	Li, Gang; Gao, Yuzhen	Fujian Institute of Research on the Structure of Matter
2016	49	1	Nucleophilic Chiral Phosphines: Powerful and Versatile Catalysts for Asymmetric Annulations	Yumei, Xiao; Guo, Hongchao; Kwon, Ohyun Kwon	China Agricultural University and The University of California, Los Angeles
2016	49	1	Silanediol Recognition in Catalysis, Sensing, and Drug Discovery	Wieting, Joshua M.; Hardman-Baldwin, Andrea M.; Visco, Michael D.; Mattson, Anita E.	The Ohio State University
2016	49	2	Amidine-Based Catalysts (ABCs): Design, Development, and Applications	Birman, Vladimir B.	Washington University, St. Louis, MO
2016	49	2	Advancing Sustainable Catalysis with Magnetite. Surface Modification and Synthetic Applications	Varma, Rajender S.; Baig, R. B. Nasir; Verma, Sanny; Nadagouda, Mallikarjuna N.	U.S. Environmental Protection Agency

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2016	49	3	Recent Enabling Technologies for Diazomethane Generation and Reactions	Dallinger, Doris; Kappe, C. Oliver	University of Graz and the Research Center for Pharmaceutical Engineering
2015	48	1	Green Chemistry Next: Moving from Evolutionary to Revolutionary	Anastas, Paul T.	Yale University
2015	48	1	Taking a Measure of Green Success	Ritter, Stephen K.	American Chemical Society
2015	48	1	Moving Toward a Green Chemistry and Engineering Design Ethic	Constable, David J. C.	American Chemical Society
2015	48	1	Practical Aerobic Alcohol Oxidation with Cu/Nitroxyl and Nitroxyl/NO _x Catalyst Systems	Stahl, Shannon S.; Miles, Kelsey C.	University of Wisconsin-Madison
2015	48	1	Toward a Sustainability Mindset in the Practice of Pharmaceutical Chemistry—from Early Discovery to Manufacturing	Galloua, Fabrice; Hamann, Lawrence G.	Novartis Pharma AG; Novartis Institutes for Biomedical Research, Cambridge, Massachusetts
2015	48	1	Catalytic C–C Bond Formation and the Hendricksonian Ideal: Atom- and Redox-Economy, Stereo- and Site-Selectivity	Krische, Michael J.; Shin, Inji; Montgomery, T. Patrick	University of Texas at Austin
2015	48	1	Pharmaceutical Green Chemistry at Amgen: Seeing with New Eyes	Tucker, John L.	Amgen Inc.
2015	48	1	Switchable Solvents as Media for Synthesis and Separations	Jessop, Phillip G.	Queen's University, Kingston, Ontario, Canada
2015	48	1	The Leading Edge of Green Chemistry at Genentech	Koenig, Stefan G.; Bryan, Marian C.; Budzinski, Kristi L.	Genentech, Inc.
2015	48	1	Green Chemistry in the Introductory Organic Laboratory	Lipshutz, Bruce H.; Ghorai, Subir	University of California, Santa Barbara; Sigma-Aldrich Corp.
2015	48	1	Fluorous Chemistry Meets Green Chemistry: A Concise Primer	Gladysz, John A.; Mukherjee, Tathagata	Texas A&M University
2015	48	1	Where We Should Focus Green Chemistry Efforts	Warner, John C.	Warner Babcock Institute for Green Chemistry
2015	48	1	A Practical Overview of Organic Synthesis in Ionic Liquids	Rogers, Robin D.; Kelley, Steven P.	The University of Alabama
2015	48	1	Biocatalysis and Biomass Conversion in Ionic Liquids	Sheldon, Roger A.	Delft University of Technology, The Netherlands
2015	48	2	Catalytic Asymmetric Hydrogenation of α -Substituted Ketones and Aldehydes via Dynamic Kinetic Resolution: Efficient Approach to Chiral Alcohols	Zhou, Qi-Lin; Xie, Jian-Hua	Nankai University, Tianjin, China
2015	48	2	SnAP Reagents for a Cross-Coupling Approach to the One-Step Synthesis of Saturated N-Heterocycles	Bode, Jeffrey W.; Luescher, Michael U.; Geoghegan, Kimberly; Nichols, Paula L.	ETH-Zürich (Laboratorium für Organische Chemie)
2015	48	2	Development of Solvent Selection Guides	Watson, Allan J. B.; Eastman, Harry E.; Jamieson, Craig	University of Strathclyde, Glasgow, U.K.
2015	48	3	Ynamides: Powerful and Versatile Reagents for Chemical Synthesis	Evano, Gwilherm; Theunissen, Cédric; Leconte, Morgan	Université Libre de Bruxelles (ULB)
2015	48	3	Cyclic Sulfamidate Enabled Syntheses of Amino Acids, Peptides, Carbohydrates, and Natural Products	Baig, R. B. Nasir; Nadagouda, Mallikarjuna N.; Varma, Rajender S.	U.S. Environmental Protection Agency
2014	47	1	Asymmetric Catalysis Using Chiral, Enantiopure Disulfonimides	List, Benjamin van; Gemmeren, Manuel; Lay, Frank	Max-Planck-Institut für Kohlenforschung, Germany
2014	47	1	Enabling Novel Photoredox Reactivity via Photocatalyst Selection	Stephenson, Corey R. J.; Douglas, James J.; Nguyen, John D.; Cole, Kevin P.	University of Michigan; Lilly Research Laboratories
2014	47	2	Highly Enantioselective Hydroformylation of Alkenes by Rhodium-Diazaphospholane Catalysts	Landis, Clark R.; Wong, Gene W.	University of Wisconsin at Madison
2014	47	2	Boronic Acid Catalysis: an Atom-Economical Platform for Direct Activation and Functionalization of Carboxylic Acids and Alcohols	Hall, Dennis G.; Zheng, Hongchao	University of Alberta
2014	47	3	Ruthenium-Catalyzed anti-Markovnikov Hydration and Reductive Hydration of Terminal Alkynes	Herzon, Seth B.; Zeng, Mingshuo	Yale University
2014	47	3	TEMPO-Derived Oxoammonium Salts as Versatile Oxidizing Agents	Leadbeater, Nicholas E; Bobbitt, James M.	University of Connecticut
2013	46	1	Polymer-Incarcerated Metals: Highly Reactive, Recoverable, and Multifunctional Nanocluster Catalysts for Organic Synthesis	Kobayashi, Shū; Miyamura, Hiroyuki	University of Tokyo
2013	46	1	Advances in Acylation Methodologies Enabled by Oxyma-Based Reagents	Ramon Subirós-Funosas; Khattab, Sherine N.; Nieto-Rodríguez, Lidia; El-Faham, Ayman; Albericio, Fernando	Institute for Research in Biomedicine, Barcelona, Spain
2013	46	2	Aminoacyl Benzotriazolides: Versatile Reagents for the Preparation of Peptides and Their Mimetics and Conjugates	Panda, Siva S.; Hall, C. Dennis; Scriven, Eric; Katritzky, Alan R.	University of Florida, King Abdulaziz University
2013	46	2	Recent Advances in the Prins Cyclization	Greco, Sandro José Greco; Fiorot, Rodolfo Goetze; Lacerda, Jr., Valdemar; dos Santos, Reginaldo Bezerra	Federal University of Espírito Santo
2013	46	3	Scientist-Led High-Throughput Experimentation (HTE) and Its Utility in Academia and Industry	Schmink, Jason R.; Bellomo, Ana; Berritt, Simon	Bryn Mawr College, University of Pennsylvania
2013	46	3	Cross-Linked Enzyme Aggregates (CLEAs) in Organic Synthesis	Sheldon, Roger A.; van Pelt, Sander; Kanbak-Aksu, Seda; Rasmussen, Jo Anne; Janssen, Michiel H. A.	CLEA Technologies B.V.
2012	45	1	“Designer”-Surfactant-Enabled Cross-Couplings in Water at Room Temperature	Lipshutz, Bruce H.; Ghorai, Subir	University of California, Santa Barbara, and Sigma-Aldrich Co.
2012	45	1	The Growing Impact of Niobium in Organic Synthesis and Catalysis	Lacerda, Valdemar, Jr.; Dos Santos, Deborah Araujo; da Silva-Filho, Luiz Carlos; Greco, Sandro José; dos Santos, Reginaldo Bezerra	Universidade Federal do Espírito Santo and Universidade Estadual Paulista (Brasil)

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2012	45	2	Opening New Chemical Space through Novel Dearomatization Reactions	Harrison, Daniel P.; Harman, W. Dean	University of Virginia
2012	45	3	Recent Advances in the Buchwald–Hartwig Amination Reaction Enabled by the Application of Sterically Demanding Phosphine Ancillary Ligands	Lundgren, Rylan J.; Stradiotto, Mark	Dalhousie University
2012	45	3	Transition-Metal-Mediated Fluorination, Difluoromethylation, and Trifluoromethylation	Jin, Zhuang; Hammond, Gerald B.; Xu, Bo	University of Louisville
2011	44	1	Asymmetric N-Heterocyclic Carbene (NHC) Catalyzed Acyl Anion Reactions	Vora, Harit U.; Rovis, Tomislav	Colorado State University
2011	44	1	Recent Advances in the Asymmetric Catalytic Mannich Reaction	Greco, Sandro José; Lacerda, Valdemar, Jr.; dos Santos, Reginaldo Bezerra	Universidade Federal do Espírito Santo (Brasil)
2011	44	2	Halonium-Induced Cyclization Reactions	Snyder, Scott A.; Treitler, Daniel S.; Brucks, Alexandria P.	Columbia University
2011	44	2	The A³-Coupling (Aldehyde–Alkyne–Amine) Reaction: A Versatile Method for the Preparation of Propargylamines	Yoo, Woo-Jin; Zhao, Liang; Li, Chao-Jun	McGill University
2011	44	3	Peroxide-Mediated Wacker Oxidations for Organic Synthesis	Michel, Brian W.; Sigman, Matthew W.	University of Utah
2011	44	3	Organofluorine Chemistry: Deoxyfluorination Reagents for C–F Bond Synthesis	Al-Maharik, Nawaf; O'Hagan, David	University of St. Andrews
2010	43	1	Powerful and Versatile Silicon Lewis Acids for Asymmetric Chemical Synthesis	Leighton, James L.	Columbia University
2010	43	1	Copper-Free Click Chemistry: Bioorthogonal Reagents for Tagging Azides	Baskin, Jeremy M.; Bertozzi, Carolyn R.	University of California, Berkeley
2010	43	2	Gold-Catalysed Addition of X–H Bonds to C–C Multiple Bonds	Hashmi, A. Stephen K.; Bührle, Miriam	Ruprecht-Karls-Universität Heidelberg
2010	43	2	Copper-, Silver-, and Gold-Catalyzed Migratory Cycloisomerizations Leading to Heterocyclic Five-Membered Rings	Dudnik, Alexander S.; Chernyak, Natalia; Gevorgyan, Vladimir	University of Illinois at Chicago
2010	43	2	Enantioselective Synthesis Based on Catalysis by Chiral Oxazaborolidinium Cations	Mukherjee, Santanu; Corey, E. J.	Harvard University
2010	43	3	Remembering Dr. Jai P. Nagarkatti (1947–2010)	Firsan, Sharbil J.	Sigma-Aldrich Corp.
2010	43	3	Recent Advances in the Application of α-Phenylethylamine (α-PEA) in the Preparation of Enantiopure Compounds	Bandala, Yamir; Juaristi, Eusebio	Instituto Politécnico Nacional (México)
2010	43	3	2-Iodoxybenzenesulfonic Acid (IBS) Catalyzed Oxidation of Alcohols	Uyanik, Muhammet; Ishihara, Kazuaki	Nagoya University (Japan)
2009	42	1	Please Call Me Alfred (Editorial)	Firsan, Sharbil J.	Sigma-Aldrich Corp. (Milwaukee)
2009	42	1	The Super Silyl Group in Diastereoselective Aldol and Cascade Reactions	Boxer, Matthew B.; Albert, Brian J.; Yamamoto, Hisashi	University of Chicago
2009	42	1	Iterative Cross-Coupling with MIDA Boronates: towards a General Strategy for Small-Molecule Synthesis	Gillis, Eric P.; Burke, Martin D.	University of Illinois at Urbana-Champaign
2009	42	2	Chiral Diene Ligands for Asymmetric Catalysis	Shintani, Ryo; Hayashi, Tamio	Kyoto University
2009	42	2	Chiral, Chelating, Hydroxyalkyl and Hydroxyaryl N-Heterocyclic Carbenes: Design, Synthesis, and Application in Copper-Catalyzed Asymmetric Conjugate Addition (Cu-ACA)	Wencel, Joanna; Mauduit, Marc; Hénon, Hélène; Kehrl, Stefan; Alexakis, Alexandre	Université Européenne de Bretagne and Université de Genève
2009	42	3	Discovering New Reactions with N-Heterocyclic Carbene Catalysis	Phillips, Eric M.; Chan, Audrey; Scheidt, Karl A.	Northwestern University
2009	42	3	Synthesis and Applications of Diorganozinc Reagents: Beyond Diethylzinc	Lemire, Alexandre; Côté, Alexandre; Janes, Marc K.; Charette, André B.	Université de Montréal
2008	41	1	Practical Organocatalysis with (S)- and (R)-5-Pyrrolidin-2-yl-1H-tetrazoles	Longbottom, Deborah A.; Franckevicius, Vilijus; Kumarn, Sirirat; Oelke, Alexander J.; Wascholowski, Veit; Ley, Steven V.	University of Cambridge (U.K.)
2008	41	1	Aminophosphine Catalysts in Modern Asymmetric Synthesis	Amoroso, Dino; Graham, Todd W.; Guo, Rongwei; Tsang, Chi-Wing; Abdur-Rashid, Kamaluddin	Kanata Chemical Technologies, Inc. (Toronto, Canada)
2008	41	2	TRIP—A Powerful Brønsted Acid Catalyst for Asymmetric Synthesis	Adair, Gareth; Mukherjee, Santanu; List, Benjamin	Max-Planck-Institut für Kohlenforschung
2008	41	2	N-Heterocyclic Carbene–Copper Complexes: Synthesis and Applications in Catalysis	Diez-González, Silvia; Nolan, Steven P.	Institute of Chemical Research of Catalonia (ICIQ)
2008	41	3	Transition-Metal-Catalyzed Cross-Couplings Going Green: in Water at Room Temperature	Lipshutz, Bruce H.; Ghorai, Subir	University of California, Santa Barbara
2008	41	3	Preparation of Chiral Diamines by the Diaza-Cope Rearrangement (DCR)	Kim, Hyunwoo; So, Soon Mog; Chin, Jik, Kim, B. Moon	University of Toronto and Seoul National University
2008	41	4	Formation of C–C Bonds via Catalytic Hydrogenation and Transfer Hydrogenation: Vinylation, Allylation and Enolate Addition	Patman, Ryan L.; Bower, John F.; Kim, In Su; Krische, Michael J.	University of Texas at Austin
2008	41	4	Amino Carbonyl Compounds in Organic Synthesis	Baktharaman, Sivaraj; Hill, Ryan; Yudin, Andrei K.	University of Toronto
2007	40	1	What a Journey It Has Been!	Firsan, Sharbil J.	Sigma-Aldrich Corp.
2007	40	1	Catalytic Azide–Alkyne Cycloaddition: Reactivity and Applications	Wu, Peng; Fokin, Valery V.	Scripps Research Institute
2007	40	1	Selecting and Driving Monolayer Structures through Tailored Intermolecular Interactions	Mullen, Thomas J.; Dameron, Arrelaine A.; Andrews, Anne M.; Weiss, Paul S.	Pennsylvania State University

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2007	40	2	Evolution and Applications of Second-Generation Ruthenium Olefin Metathesis Catalysts	Schrodi, Yann; Pederson, Richard L.	Materia, Inc.
2007	40	3	Palladium-Catalyzed Dynamic Kinetic Asymmetric Allylic Alkylation with the DPPBA Ligands	Trost, Barry M.; Fandrick, Daniel R.	Stanford University
2007	40	3	Development and Applications of C ₂ -Symmetric, Chiral, Phase-Transfer Catalysts	Ooi, Takashi; Maruoka, Keiji	Kyoto University
2007	40	4	Recent Advances in the Chemistry of Allenes	Ma, Shengming	Shanghai Institute of Organic Chemistry
2007	40	4	Chiral Imidazolium Ionic Liquids: Their Synthesis and Influence on the Outcome of Organic Reactions	Headley, Allan D.; Ni, Bukuo	Texas A&M University-Commerce
2006	39	1	Organic Synthesis with Light-Fluorous Reagents, Reactants, Catalysts, and Scavengers	Curran, Dennis P.	University of Pittsburgh
2006	39	1	Synthetic Applications of Buchwald's Phosphines in Palladium-Catalyzed Aromatic-Bond-Forming Reactions	Mauger, Christelle C.; Mignani, Gerard A.	Rhodia Recherches et Technologies
2006	39	2	Chiral, Poly(Rare-Earth Metal) Complexes in Asymmetric Catalysis	Shibasaki, Masakatsu; Kanai, Motomu; Matsunaga, Shigeki	University of Tokyo
2006	39	2	Organic Synthesis and Device Testing for Molecular Electronics	James, Dustin K.; Tour, James M.	Rice University
2006	39	3	Enzymes in Organic Synthesis: Aldolase-Mediated Synthesis of Iminocyclitols and Novel Heterocycles	Whalen, Lisa J.; Wong, Chi-Huey	The Scripps Research Institute
2006	39	3	Modern Strategies in Organic Catalysis: The Advent and Development of Iminium Activation	Lelais, Gerald; MacMillan, David W. C.	California Institute of Technology
2006	39	4	Pd-N-Heterocyclic Carbene (NHC) Catalysts for Cross-Coupling Reactions	Kantchev, Eric Assen B.; O'Brien, Christopher J.; Organ, Michael G.	York University (Toronto, ON, Canada)
2005	38	1	ROM Polymerization in Facilitated Synthesis	Harned, Andrew M.; Zhang, Mianji; Vedantham, Punitha; Mukherjee, Shubhashish; Herpel, Russell H.; Flynn, Daniel L.; Hanson, Paul R.	The University of Kansas
2005	38	1	Polyurea-Encapsulated Palladium Catalysts: The Development and Application of a New and Versatile Immobilized-Homogeneous-Catalyst Technology	Pears, David A.; Smith, Stephen C.	Avecia Pharmaceuticals and Syngenta
2005	38	2	Herbert C. Brown and Aldrich: Advancing Borane Chemistry for 32 Years	Lane, Clinton F.	Northern Arizona University
2005	38	2	Organotrifluoroborates: Expanding Organoboron Chemistry	Molander, Gary A.; Figueroa, Ruth	The University of Pennsylvania
2005	38	2	Recent Advances in the Chemistry of Lithium Aminoborohydrides	Pasumansky, Lubov; Singaram, Bakthan; Goralski, Christian T.	University of California, Santa Cruz
2005	38	3	Palladium-Catalyzed Alkenylation by the Negishi Coupling	Negishi, Ei-ichi; Hu, Qian; Huang, Zhihong; Qian, Mingxing; Wang, Guangwei	Purdue University
2005	38	3	Enantiopure Sulfoxides and Sulfinamides: Recent Developments in Their Stereoselective Synthesis and Applications to Asymmetric Synthesis	Senanayake, Chris H.; Krishnamurthy, Dhileepkumar; Lu, Zhi-Hui; Han, Zhengxu; Gallou, Isabelle	Boehringer Ingelheim Pharmaceuticals, Inc.
2004	37	1	Recent Applications of Proazaphosphatranes in Organic Synthesis	Verkade, John G.; Kisanga, Philip B.	Iowa State University and Albany Molecular Research, Inc.
2004	37	1	Chemistry Without Reagents: Synthetic Applications of Flash Vacuum Pyrolysis	McNab, Hamish	The University of Edinburgh
2004	37	2	Birth of a New Macromolecular Architecture: Dendrimers as Quantized Building Blocks for Nanoscale Synthetic Organic Chemistry	Tomalia, Donald A.	Dendritic NanoTechnologies, Inc., Central Michigan University
2004	37	2	Recent Advances in Microwave-Assisted Synthesis	Hayes, Brittany L.	CEM Corporation
2004	37	3	Palladium-Mediated Synthesis of Aldehydes and Ketones from Thiol Esters	Fukuyama, Tohru; Tokuyama, Hidetoshi	The University of Tokyo
2004	37	3	Hydroalumination Reactions in Organic Chemistry	Roesky, Herbert W.	The University of Goettingen
2003	36	1	Iron Lewis Acid [(η ⁵ -C ₅ H ₅)Fe(CO) ₂ (THF)] ⁺ Catalyzed Organic Reactions	Redlich, Mark D.; Mayer, Michael F.; Hossain, M. Mahmum	University of Wisconsin-Milwaukee
2003	36	1	Applications of Dialkylaminopyridine (DMAP) Catalysts in Organic Synthesis	Murugan, Ramiah	Reilly Industries, Inc.
2003	36	2	Aziridines and Oxazolines: Valuable Intermediates in the Synthesis of Unusual Amino Acids	Cardillo, Giuliana; Gentilucci, Luca; Tolomelli, Alessandra	Universita di Bologna
2003	36	2	Highlights of the Chemistry of Enantiomerically Pure Aziridine-2-carboxylates	Lee, Won Koo; Ha, Hyun-Joon	Sogang University; Hankuk University of Foreign Studies (Korea)
2003	36	3	Organosilicon Reagents: Synthesis and Application to Palladium-Catalyzed Cross-Coupling Reactions	Denmark, Scott E.; Ober, Michael H.	University of Illinois at Urbana-Champaign
2003	36	3	Cross Metathesis of Nitrogen-Containing Systems	Vernall, Andrea J.; Abell, Andrew D.	University of Canterbury
2002	35	1	Herbert C. Brown and Aldrich	Firsan, Sharbil J.	Aldrich Chemical Co., Inc.
2002	35	1	Boron-Based Reducing Agents for the Asymmetric Reduction of Functionalized Ketones and Ketimines	Cho, Byung Tae	Hallym University (Korea)
2002	35	1	Pinane-Based Versatile "Allyl"boranes	Ramachandran, P. Veeraraghavan	Purdue University
2002	35	2	Asymmetric Epoxidation of α, β-Unsaturated Ketones Catalyzed by Poly(amino acids)	Lauret, Christelle; Roberts, Stanley M.	The University of Liverpool

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2002	35	3	Applications of Ionic Liquids in Organic Synthesis	Zhao, Hua; Malhotra*, Sanjay V.	New Jersey Institute of Technology
2002	35	3	Novel Methods of Resolving Racemic Diols and Amino Alcohols	Periasamy, Mariappan	University of Hyderabad
2001	34	1	The Preparation of Optically Active α -Amino Acids from the Benzophenone Imines of Glycine Derivatives	O'Donnell, Martin J.	Indiana University Purdue University Indianapolis (IUPUI)
2001	34	1	Alkoxyethylenemalonates in Organic Synthesis	Milata, Viktor	Slovak Technical University
2001	34	2	A Half Century of Chemists Helping Chemists: Aldrich from 1951 to 2001	Firsan, Sharbil J.	Aldrich Chemical Co., Inc.
2001	34	2	Activated 2H-Azirines as Dienophiles and Electrophiles	Gilchrist, Thomas L.	The University of Liverpool
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2001	34	3	[Hydroxy(tosyloxy)iodo]benzene and Closely Related Iodanes: The Second Stage of Development	Koser, Gerald F.	The University of Akron
2000	33	1	The Chemical Vapor Deposition of Metal Nitride Films Using Modern Metalorganic Precursors	Winter, Charles H.	Wayne State University
2000	33	1	Synthetic Applications of Indium Trichloride Catalyzed Reactions	Babu, G. Perumal, P. T.	Central Leather Research Institute (Chennai, India)
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2000	33	2	The Catalytic Synthesis of Thiocrowns from Thietanes and Thiranes by Metal Carbonyl Complexes	Adams, Richard D.	University of South Carolina
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2000	33	2	Add a Little Tellurium to Your Synthetic Plans!	Comasseto, Joao V.; Barrientos-Astigarraga, Rafael E.	Universidade de Sao Paulo
2000	33	3	Tailoring Polystyrene Solid-Phase Synthesis Resins: Incorporation of Flexible Cross-Linkers	Toy, Patrick H.; Reger, Thomas S.; Janda, Kim D.	The Scripps Research Institute
2000	33	3	Highlights from Two Decades of Synthetic Radical Chemistry	Curran, Dennis P.	University of Pittsburgh
1999	32	1	Chiral Heterosubstituted 1,3-Butadienes: Synthesis and [4+2] Cycloaddition Reactions	Barluenga, Jose; Suarez-Sobrinio, A.; Lopez, Luis A.	Universidad de Oviedo
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1999	32	3	Ring-Closing Metathesis of Nitrogen-Containing Compounds: Applications to Heterocycles, Alkaloids, and Peptidomimetics	Phillips, Andrew J.; Abell, Andrew D.	University of Canterbury, New Zealand
1999	32	3	Are Two Phenyls Better than One? Synthesis and Applications of (<i>R</i>)-4-Diphenylmethyl-2-oxazolidinone	Sibi, Mukund P.	North Dakota State University
1998	31	1	Applications of <i>cis</i> -1-Amino-2-indanol in Asymmetric Synthesis	Senanayake, Chris H.	Sepracor, Inc.
1998	31	1	Synthetic Applications of Zinc Borohydride	Narasimhan, S.; Balakumar, R.	Centre for Agrochem. Res. (Guindy, India)
1998	31	2	Benzo[1,2,4]triazole-Based Intermediates: Reagents for Efficient Organic Synthesis	Katritzky, Alan R.; Belyakov, Sergei A.	University of Florida, Gainesville
1998	31	2	Manganese-Based Organic and Bioinorganic Transformations	Melkyan, Gagik G.	California State University, Northridge
1998	31	3	Transition-Metal-Based Lewis Acid Catalysts	Bosnich, Brice	University of Chicago
1997	30	1	Chiral Oxazolidinones in Asymmetric Synthesis	Ager, David J.; Prakash, Indra; Schaad, David R.	NSC Technologies & NutraSweet Kelco Co. (Units of Monsanto)
1997	30	1	Preparation and Reactivity of Acyclic (Pentadienyl)iron(1+) Cations: Applications to Organic Synthesis	Donaldson, William A.	Marquette University
1997	30	2	Thiazole-Based Routes to Amino Hydroxy Aldehydes, and Their Use for the Synthesis of Biologically Active Compounds	Dondoni, Alessandro; Perrone, Daniela	Universita di Ferrara
1997	30	2	Esterifications, Transesterifications, and Deesterifications Mediated by Organotin Oxides, Hydroxides, and Alkoxides	Mascaretti, Oreste A.; Furlan, Ricardo L.E.	CONICET-UNR
1997	30	3	Synthesis of Biologically Important Oligosaccharides and Other Glycoconjugates by the Glycal Assembly Method	Seeberger, P.H.; Bilodeau, M.T.; Danishefsky, S.J.	Sloan-Kettering Institute for Cancer Research
1997	30	3	Crisscross Cycloaddition Reactions	Radl, Stanislav	Research Institute for Pharmacy and Biochemistry (Prague)
1997	30	4	Asymmetric Synthesis Using Rhodium-Stabilized Vinylcarbenoid Intermediates	Davies, Huw M.L.	State University of New York at Buffalo
1997	30	4	Dimethyl Tricyclo[4.2.1.0 ^{2,5}]nona-3,7-diene-3,4-dicarboxylate: A Versatile Ambident Dienophile	Warrener, Ronald N.; Butler, Douglas N.	Central Queensland University

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1996	29	2	Nonnatural Products Nonpareil	Hormann, Robert E.	Rohm and Haas Co.
1996	29	2	Oxalyl Chloride in Photochemical Chlorocarbonylation of Cage Compounds	Bashir-Hashemi, A.; Doyle, Gerald	GEO-Centers, Inc. at ARDEC
1996	29	2	Atlas of Organic Conversions: An Aid in Perspective	Koganti, Vara Prasad	New Science College
1996	29	3	New Possibilities in Organic Synthesis	Mukaiyama, Teruaki	Science University of Tokyo
1995	28	1	Calixarenes	Gutsche, C. David	Texas Christian U.
1995	28	1	Mismatches and Mutagenic Lesions in Nucleic Acids	Brown, Tom	University of Southampton
1995	28	2	Triethylamine Tris(hydrogen fluoride): Applications in Synthesis	McClinton, Martin A.	FAR Research Inc.
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1995	28	2	Polyfluorinated Alkenes, Alkynes, and Allenes	Silvester, Michael J.	Sigma-Aldrich Chemical Co., Ltd.
1995	28	3	Organo Iodine(III) and Thallium(III) Reagents in Organic Synthesis: Useful Methodologies Based on Oxidative Rearrangements	Prakash, Om	Kurukshetra University
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1995	28	4	Polycyclic Cage Compounds: Reagents, Substrates, and Materials for the 21st Century	Marchand, Alan P.	University of North Texas
1995	28	4	New Reactions for Forming Heterocycles and Their Use in Natural Products Synthesis	Overman, Larry E.	University of California at Irvine
1994	27	1	Correction: Starburst/Cascade Dendrimers: Fundamental Building Blocks for a New Nanoscopic Chemistry Set	Editorial Staff	Aldrich Chemical Co., Inc.
1994	27	1	Enantioselective Synthesis of β -Amino Acids	Juaristi, Eusebio; Quintana, Delia; Escalante, Jaime	Instituto Politecnico Nacional (Mexico)
1994	27	1	Iodobenzene Diacetate and Related Hypervalent Iodine Reagents in the Synthesis of Heterocyclic Compounds	Prakash, Om; Singh, Shiv P.	Kurukshetra University
1994	27	2	Benzotriazole-Stabilized Carbanions: Generation, Reactivity, and Synthetic Utility	Katritzky, Alan R.; Yang, Zhijun; Cundy, Darren J.	University of Florida
1994	27	2	Diisopinocampheylchloroborane, (DIP-Chloride™), an Excellent Chiral Reducing Reagent for the Synthesis of Secondary Alcohols of High Enantiomeric Purity	Dhar, Raj K.	Aldrich Chemical Co., Inc.
1994	27	3	Correction: Structures for Benzyl (+)- and (-)-glycidyl ether	Editor	Aldrich Chemical Co., Inc.
1994	27	3	The Synthetic Potential of the Intramolecular meta-Photocycloaddition in Arene-Alkene Bichromophoric Systems Containing Oxygen in the Tether	De Keukeleire, Denis	University of Gent
1994	27	3	The Trouble with Synthesis	Cornforth, John Warcup	University of Sussex
1993	26	1	Electrochemistry in Organic Synthesis	Fry, Albert J.	Wesleyan University
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1993	26	2	Oxidation Reactions Using Magnesium Monoperphthalate and Urea Hydrogen Peroxide	Heaney, Harry	Loughborough U. of Technology
1993	26	2	Modern Methods for the Monofluorination of Aliphatic Organic Compounds: Nucleophilic Fluoride Transfer Agents	Mascaretti, Oreste A.	CONICET-Universidad Nacional de Rosario
1993	26	3	New Synthetic Methods and Strategies and Total Synthesis of Natural Products	Nicolaou, K.C.	University of California at San Diego
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1992	25	1	The Molecular Basis of Biological Order and Amide-Amide Hydrogen Bonds—An Addendum	Williams, Dudley H.	University of Cambridge
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1992	25	2	The Synthesis of Polyquinanes and Polyquinenes via the Weiss Reaction	Fu, Xiaoyong; Cook, James M.	University of Wisconsin at Milwaukee
1992	25	3	How We Stumbled into Peptide Chemistry	Seebach, Dieter	Eidgenössischen Technischen Hochschule
1992	25	3	A Curiosity Driven Search for New Chemical Reactions	Motherwell, William B.	Imperial College of Science, Technology and Medicine
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1990	23	4	Long-Range Electron Transfer in Proteins	Gray, Harry B.	California Institute of Technology
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1989	22	1	Johann Josef Loschmidt (1821-1895): A Forgotten Genius. Benzene Rings and Much More in 1861	Wiswesser, William J.	Weed Science Research Lab (USDA)
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1989	22	2	Teaching Organic Synthesis: Why, How, What?	Seoane, Carlos	Universidad de Castilla-La Mancha
1989	22	3	Mechanistic Ingenuity in Enzyme Catalysis: Dehydroquinase Synthase	Knowles, Jeremy R.	Harvard University
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1988	21	1	How to Find a Great Herbicide	Bader, Alfred	Aldrich Chemical Co., Ltd. (England)
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1988	21	3	Synthetic Methodology in the Context of Natural Product Total Synthesis	Ireland, Robert E.	University of Virginia, The
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1987	20	1	On Opinion in Good Men: An Oblique Tribute to H.C. Brown	Davenport, Derek A.	Purdue University
1987	20	2	O-Acyl Thiohydroxamates: New and Versatile Sources of Alkyl Radicals for Use in Organic Synthesis	Crich, David	University College London
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1986	19	2	Some Useful Synthetic Applications of Gold's Reagent	Gupton, John T.	University of Central Florida
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1986	19	3	Reflections on Organic Synthesis: The Evolution of a General Strategy for the Stereoselective Construction of Polyoxy-genated Natural Products	Danishefsky, Samuel J.	Yale University

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1985	18	1	The Use of Carbon-13-Labeled Compounds in Organic Chemistry, Biochemistry and Medicine	Leete, Edward; Porwoll, Joseph	University of Minnesota and Aldrich Chemical Co., Inc.
1985	18	1	"Dry-Column" Flash Chromatography	Harwood, Lawrence M.	Oxford University
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1985	18	4	4-Acetoxy-2-azetidinone: A Useful Heterocyclic Synthon	Mickel, Stuart	
1985	18	4	The Aldrich FIRST System of Information Retrieval—An Update	Griffiths, David W.	Aldrich Chemical Co., Inc.
1984	17	1	"Our Chemist-Collector" Approaches Sixty	Cori, Tom; Emanuel, Ralph N.; Harvey, David; Klitsner, Marvin E.	Sigma-Aldrich Corp., M. Emanuel, Ltd., Aldrich Chemical Co., and Foley & Lardner
1984	17	1	The Use of Acronyms in Organic Chemistry	Daub, Guido H.; Leon, Alberto A.; Silverman, I. Robert; Daub, G. William; Walker, S. Barrie	University of New Mexico, Harvey Mudd College, and Imperial Chemical Industries
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1981	14	4	The Role of Silver Salts in Organic Processes	Long, John R.	Aldrich Chemical Co., Inc.
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1979	12	1	Boranes for Organic Reductions—A Forty-Year Odyssey	Brown, Herbert C.; Krishnamurthy, S.	Purdue University
1979	12	1	Trialkylborohydrides in Organometallic Syntheses	Gladysz, J. A.	University of California at Los Angeles
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1979	12	4	Metal-Catalyzed, Highly Selective Oxygenations of Olefins and Acetylenes with <i>tert</i>-Butyl Hydroperoxide. Practical Considerations and Mechanisms.	Sharpless, K. Barry; Verhoeven, Thomas R.	Stanford University
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1978	11	1	A Status Report on Biological Stains	Green, Floyd J.	Aldrich Chemical Co., Inc.
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1977	10	3	Selective Reductions Using Borane Complexes	Lane, Clinton F.	Aldrich-Boranes, Inc.
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1977	10	4	Recent Methods for the Synthesis of Conjugated Lactones	Newaz, S.S.	Aldrich Chemical Co., Inc.
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1976	9	2	Selective Reduction of the Carbonyl Group in α,β-Unsaturated Aldehydes and Ketones	Lane, Clinton F.	Aldrich-Boranes, Inc.
1976	9	3	Applications of Phase-Transfer Catalysis in Organic Synthesis	Jones, R. Alan	University of East Anglia
1976	9	3	Recent Advances in Synthetic Pyrethroids	Bader, Alfred	Aldrich Chemical Co., Inc.
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1975	8	2	Organoboranes in Organic Synthesis	Kabalka, George W.	University of Tennessee at Knoxville
1975	8	2	Organic Synthesis via Organoboranes IV. Reduction of Organic Functional Groups with Borane-Methyl Sulfide	Lane, Clinton F.	Aldrich-Boranes, Inc.
1975	8	3	Chemical Reactions of Polymers	Anonymous	Aldrich Chemical Co., Inc.
1975	8	4	Highlights	Harvey, David R.	Aldrich Chemical Co., Inc.
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1974	7	2	Hexachlorocyclopentadiene Adducts of Aromatic Compounds and their Reaction Products	Look, Melvin	Hyman Laboratories, Inc.
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1974	7	2	The Aldrich First System of Information Retrieval	Griffiths, David W.	Aldrich Chemical Co., Inc.
1974	7	3	New Reagents for Hydroboration and for Synthesis Via Boranes	Brown, Herbert C.	Purdue University
1974	7	3	Trialkylborohydrides as New Versatile Reducing Agents in Organic Synthesis	Krishnamurthy, S.	Purdue University
1973	6	1	The Use of Polymethylhydrosiloxane (PMHS) as a Reducing Agent for Organic Compounds	Lipowitz, Jonathan; Bowman, Sheryl A.	Dow Corning Corp.
1973	6	1	Carbocation and Onium Ion Reagents	Olah, George A.	Case Western Reserve University
1973	6	2	The Versatile Boranes	Lane, Clinton F.	Aldrich-Boranes, Inc.
1973	6	3	Chemical Information Management for the 21st Century	Wiswesser, W.J.	Fort Detrick
1973	6	3	The Borane•Amine Complexes	Lane, Clinton F.	Aldrich-Boranes, Inc.
1972	5	1	Bifunctional Catalysis	Li, J.P.	Aldrich Chemical Co., Inc.
1972	5	1	Better Computer Searches from Aldrich	Anonymous	Aldrich Chemical Co., Inc.
1972	5	2	Deuterium Analysis and Organic Chemistry	Cox, James R., Jr.; Willcott, M. Robert, III	University of Houston
1972	5	2	The Determination of Optical and Enantiomeric Purity by Nuclear Magnetic Resonance Spectroscopy (NMR)	Campbell, John	Aldrich Chemical Co., Inc.

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1971	4	1	Macrocyclic Polyethers for Complexing Metals	Pedersen, Charles J.	E. I. Du Pont de Nemours & Co., Inc.
1971	4	2	Cornelis Bega's Alchemist: A Problem in Art History	Bader, Alfred	Aldrich Chemical Co., Inc.
1971	4	2	Isonitriles	Ferosie, Ishak	Aldrich Chemical Co., Inc.
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1971	4	4	Lanthanide Chemical Shift Reagents	Campbell, John R.	Aldrich Chemical Co., Inc.
1971	4	4	Improving Nature's Catalysts	Epton, R. Thomas, T.H.	Koch-Light Laboratories, Ltd.
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1970	3	3	Liquid Crystals and Science	Ferguson, James L.	Kent State University
1970	3	3	Liquid Crystals and Modern Art	Bader, Alfred R.	Aldrich Chemical Co., Inc.
1970	3	4	Batrachotoxin, a Novel Steroidal Alkaloid with Selective Effects on Biomembrane Permeability	Daly, John; Witkop, Bernhard	National Institutes of Health
1970	3	4	Preparation and Reactions of Diazomethane	Hopps, Harvey B.	Aldrich Chemical Co., Inc.
1969	2	1	The Evolution of Totally Synthetic, Strong Analgesics	May, Everette L.	National Institutes of Health
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1969	2	2	The Wittig Reaction	Hopps, Harvey B.; Biel, John H.	Aldrich Chemical Co., Inc.
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1968	1	4	Dutch Art and the Aldrich Collection	Clark, Anthony M.	Aldrich Chemical Co., Inc.