

# Aldrichimica Acta Archive Index



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| 2021 | 54   | 1   | <a href="#">Preparative Batch-Type Electrosynthesis: A Tutorial</a>  | Waldvogel, Siegfried R.; Pollok, Dennis; Gleede, Barbara; Stenglein, Andreas                                       | Johannes Gutenberg University Mainz, Germany   |
| 2021 | 54   | 1   | <a href="#">Reductive Electrosynthesis: A New Dawn</a>   | 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   | <a href="#">Chemistry with Potential: Present Challenges and Emerging Trends in Organic Electrocatalysis</a>   | Ackermann, Lutz; Meyera, Tjark H.  | Georg-August-Universität Göttingen   |
| 2021 | 54   | 1   | <a href="#">Victor Snieckus (August 1, 1937–December 18, 2020)</a>   | Firsan, Sharbil J.   | MilliporeSigma, USA  |
| 2020 | 53   | 1   | <a href="#">Asymmetric Catalysis Enabled by Chiral <i>N,N'</i>-Dioxide–Nickel(II) Complexes</a>  | Liu, Xiaohua; Feng, Xiaoming; Zhen Wang  | Sichuan University   |
| 2020 | 53   | 1   | <a href="#">Asymmetric Allylic Substitutions Catalyzed by Iridium Complexes Derived from C(sp<sup>2</sup>)–H Activation of Chiral Ligands</a>  | You, Shu-Li; Zhang, Xiao   | SIOC, Chinese Academy of Sciences  |
| 2020 | 53   | 1   | <a href="#">Recent Advances in Sulfuration Chemistry Enabled by Bunte Salts</a>  | Jiang, Xuefeng; Wang, Ming; Li, Yaping   | East China Normal University   |
| 2020 | 53   | 1   | <a href="#">P-Chiral Phosphorus Ligands for Cross-Coupling and Asymmetric Hydrogenation Reactions</a>  | Jiang, Xuefeng; Wang, Ming; Li, Yaping   | SIOC, Chinese Academy of Sciences  |
| 2020 | 53   | 2   | <a href="#">Carbon Dioxide Capture and Recycling to Methanol: Building a Carbon-Neutral Methanol Economy</a>   | Prakash, G. K. Surya; Sen, Raktim; Goeppert, Alain   | The University of Southern California  |
| 2020 | 53   | 2   | <a href="#">Designing Renewable, High-Performance Solvents with Improved Toxicity Profiles</a>   | Clark, James H.; and coauthors   | The University of York (Heslington, York, U.K.)  |
| 2019 | 52   | 1   | <a href="#">Remembering Dr. Alfred R. Bader (1924–2018)</a>  | Firsan, Sharbil J.   | Merck KGaA, Darmstadt, Germany   |
| 2019 | 52   | 1   | <a href="#">Phenothiazines, Dihydrophenazines, and Phenoxazines: Sustainable Alternatives to Precious-Metal-Based Photoredox Catalysts</a>   | Miyake, Garret M.; Corbin, Daniel A.; Lim, Chern-Hooi  | Colorado State University  |
| 2019 | 52   | 1   | <a href="#">Titanium Salalen Catalysts for the Asymmetric Epoxidation of Terminal (and Other Unactivated) Olefins with Hydrogen Peroxide</a>   | Berkessel, Albrecht  | University of Cologne, Germany   |
| 2019 | 52   | 2   | <a href="#">Accelerating the Discovery of Next-Generation Small-Molecule Protein Degraders</a>   | 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   | <a href="#">Coumarin-Based Hybrids as Fluorescent Probes for Highly Selective Chemosensing and Biological Target Imaging</a>   | Lacerda, Valdemar Jr.; Francisco, Carla Santana; Valim, Thays Cardoso; Neto, Álvaro Cunha                          | Federal University of Espírito Santo, Goiabeiras Campus, Spain   |
| 2019 | 52   | 3   | <a href="#">DNA-Encoded Fragment Libraries: Dynamic Assembly, Single-Molecule Detection and High-Throughput Hit Validation</a>   | Zhang, Yixin; Reddavid, Francesco V.; Thompson, Michael; Mannocci, Luca  | Technische Universität Dresden (Germany), DyNAbind (Germany), DECLTech Consulting (Switzerland)  |
| 2019 | 52   | 3   | <a href="#">DNA-Encoded Library Chemistry: Amplification of Chemical Reaction Diversity for the Exploration of Chemical Space</a>  | 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   | <a href="#">The Spectacular Resurgence of Electrochemical Redox Reactions in Organic Synthesis</a>   | Echeverria, Pierre-Georges; Delbrayelle, Dominique; Letort, Aurélien; Nomertin, Fiona; Perez, Marc; Petit, Laurent | Minakem Recherche  |
| 2018 | 51   | 1   | <a href="#">Carbon–Carbon <math>\pi</math> Bonds as Conjunctive Reagents in Cross-Coupling</a>   | Engle, Keary M.; Derosa, Joseph; Tran, Van T.; van der Puy, Vincent A.   | The Scripps Research Institute   |
| 2018 | 51   | 2   | <a href="#">Continuous-Flow Macrocyclization</a>   | Collins, Shawn K.; Godin, Éric; Morin, Émilie  | Université de Montréal   |
| 2018 | 51   | 2   | <a href="#">Fluoroenolate-Enabled Monofluorinations and Difluoromethylations</a>   | Colby, David A.; Sowalleh, Munia F.  | University of Mississippi  |
| 2018 | 51   | 3   | <a href="#">Greener and Sustainable Applications of Phosphorus and Sulfur Ylides</a>   | Perosa, Alvise; Cattelan, Lisa; Fiorani, Giulia; Selva, Maurizio   | Università Ca' Foscari, Venezia (Italy)  |
| 2018 | 51   | 3   | <a href="#">Trimethylsilyldiazomethane (TMSCHN<sub>2</sub>) in Carbon–Carbon and Carbon–Heteroatom Bond-Forming Reactions</a>  | Lee, Daesung; Gupta, Saswata   | University of Illinois at Chicago  |
| 2017 | 50   | 1   | <a href="#">4-Substituted Prolines: Useful Reagents in Enantioselective Synthesis and Conformational Restraints in the Design of Bioactive Peptidomimetics</a>                             | Tolomelli, Alessandra; Ferrazzano, Lucia; Amoroso, Rosa  | “G. Ciamician” University of Bologna   |
| 2017 | 50   | 1   | <a href="#">Recent Advances in Alkene Metathesis for Natural Product Synthesis—Striking Achievements Resulting from Increased Sophistication in Catalyst Design and Synthesis Strategy</a> | Vanderwal, Christopher D.; Atwood, Brian R.  | University of California, Irvine   |
| 2017 | 50   | 2   | <a href="#">Disproportionate Impact of Named Reactions on Chemical Biology</a>   | Chan, Jefferson; Bearrood, Thomas E.   | University of Illinois at Urbana-Champaign   |
| 2017 | 50   | 2   | <a href="#">Bioconjugation—A Versatile and Essential Research Tool</a>   | Hermanson, Greg T.   | Bioscience Consulting Services   |
| 2017 | 50   | 3   | <a href="#">Palladium-Catalyzed meta- and para-C–H Bond Functionalizations Assisted by a Directing Group</a>   | Li, Gang; Gao, Yuzhen  | Fujian Institute of Research on the Structure of Matter  |
| 2016 | 49   | 1   | <a href="#">Nucleophilic Chiral Phosphines: Powerful and Versatile Catalysts for Asymmetric Annulations</a>  | Yumei, Xiao; Guo, Hongchao; Kwon, Ohyun Kwon   | China Agricultural University and The University of California, Los Angeles  |
| 2016 | 49   | 1   | <a href="#">Silanediol Recognition in Catalysis, Sensing, and Drug Discovery</a>   | Wieting, Joshua M.; Hardman-Baldwin, Andrea M.; Visco, Michael D.; Mattson, Anita E.                               | The Ohio State University  |
| 2016 | 49   | 2   | <a href="#">Amidine-Based Catalysts (ABCs): Design, Development, and Applications</a>  | Birman, Vladimir B.  | Washington University, St. Louis, MO   |
| 2016 | 49   | 2   | <a href="#">Advancing Sustainable Catalysis with Magnetite. Surface Modification and Synthetic Applications</a>  | Varma, Rajender S.; Baig, R. B. Nasir; Verma, Sanny; Nadagouda, Mallikarjuna N.                                    | U.S. Environmental Protection Agency   |

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| 2016 | 49   | 3   | Photocatalytic C–F Reduction and Functionalization  | Senaweera, Sameera; Weaver, Jimmie D.  | Oklahoma State University   |
| 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 <sub>x</sub> 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 $\alpha$ -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   | <a href="#">Cp*Rh-Catalyzed C–H Activations: Versatile Dehydrogenative Cross-Couplings of C<sub>sp2</sub> C–H Positions with Olefins, Alkynes, and Arenes</a>                          | Patureau, Frederic W.; Wencel-Delord, Joanna; Glorius, Frank   | Technische Universität Kaiserslautern and Westfälische Wilhelms-Universität Munster |
| 2012 | 45   | 2   | <a href="#">Opening New Chemical Space through Novel Dearomatization Reactions</a>   | Harrison, Daniel P.; Harman, W. Dean   | University of Virginia  |
| 2012 | 45   | 3   | <a href="#">Recent Advances in the Buchwald–Hartwig Amination Reaction Enabled by the Application of Sterically Demanding Phosphine Ancillary Ligands</a>                              | Lundgren, Rylan J.; Stradiotto, Mark   | Dalhousie University  |
| 2012 | 45   | 3   | <a href="#">Transition-Metal-Mediated Fluorination, Difluoromethylation, and Trifluoromethylation</a>  | Jin, Zhuang; Hammond, Gerald B.; Xu, Bo  | University of Louisville  |
| 2011 | 44   | 1   | <a href="#">Asymmetric N-Heterocyclic Carbene (NHC) Catalyzed Acyl Anion Reactions</a>   | Vora, Harit U.; Rovis, Tomislav  | Colorado State University   |
| 2011 | 44   | 1   | <a href="#">Recent Advances in the Asymmetric Catalytic Mannich Reaction</a>   | Greco, Sandro José; Lacerda, Valdemar, Jr.; dos Santos, Reginaldo Bezerra  | Universidade Federal do Espírito Santo (Brasil)                                     |
| 2011 | 44   | 2   | <a href="#">Halonium-Induced Cyclization Reactions</a>   | Snyder, Scott A.; Treitler, Daniel S.; Brucks, Alexandria P.   | Columbia University   |
| 2011 | 44   | 2   | <a href="#">The A<sup>3</sup>-Coupling (Aldehyde–Alkyne–Amine) Reaction: A Versatile Method for the Preparation of Propargylamines</a>   | Yoo, Woo-Jin; Zhao, Liang; Li, Chao-Jun  | McGill University   |
| 2011 | 44   | 3   | <a href="#">Peroxide-Mediated Wacker Oxidations for Organic Synthesis</a>  | Michel, Brian W.; Sigman, Matthew W.   | University of Utah  |
| 2011 | 44   | 3   | <a href="#">Organofluorine Chemistry: Deoxyfluorination Reagents for C–F Bond Synthesis</a>  | Al-Maharik, Nawaf; O'Hagan, David  | University of St. Andrews   |
| 2010 | 43   | 1   | <a href="#">Powerful and Versatile Silicon Lewis Acids for Asymmetric Chemical Synthesis</a>   | Leighton, James L.   | Columbia University   |
| 2010 | 43   | 1   | <a href="#">Copper-Free Click Chemistry: Bioorthogonal Reagents for Tagging Azides</a>   | Baskin, Jeremy M.; Bertozzi, Carolyn R.  | University of California, Berkeley  |
| 2010 | 43   | 2   | <a href="#">Gold-Catalysed Addition of X–H Bonds to C–C Multiple Bonds</a>   | Hashmi, A. Stephen K.; Bührle, Miriam  | Ruprecht-Karls-Universität Heidelberg   |
| 2010 | 43   | 2   | <a href="#">Copper-, Silver-, and Gold-Catalyzed Migratory Cycloisomerizations Leading to Heterocyclic Five-Membered Rings</a>   | Dudnik, Alexander S.; Chernyak, Natalia; Gevorgyan, Vladimir   | University of Illinois at Chicago   |
| 2010 | 43   | 2   | <a href="#">Enantioselective Synthesis Based on Catalysis by Chiral Oxazaborolidinium Cations</a>  | Mukherjee, Santanu; Corey, E. J.   | Harvard University  |
| 2010 | 43   | 3   | <a href="#">Remembering Dr. Jai P. Nagarkatti (1947–2010)</a>  | Firsan, Sharbil J.   | Sigma-Aldrich Corp.   |
| 2010 | 43   | 3   | <a href="#">Recent Advances in the Application of α-Phenylethylamine (α-PEA) in the Preparation of Enantiopure Compounds</a>   | Bandala, Yamir; Juaristi, Eusebio  | Instituto Politécnico Nacional (México)   |
| 2010 | 43   | 3   | <a href="#">2-Iodoxybenzenesulfonic Acid (IBS) Catalyzed Oxidation of Alcohols</a>   | Uyanik, Muhammet; Ishihara, Kazuaki  | Nagoya University (Japan)   |
| 2009 | 42   | 1   | <a href="#">Please Call Me Alfred (Editorial)</a>  | Firsan, Sharbil J.   | Sigma-Aldrich Corp. (Milwaukee)   |
| 2009 | 42   | 1   | <a href="#">The Super Silyl Group in Diastereoselective Aldol and Cascade Reactions</a>  | Boxer, Matthew B.; Albert, Brian J.; Yamamoto, Hisashi   | University of Chicago   |
| 2009 | 42   | 1   | <a href="#">Iterative Cross-Coupling with MIDA Boronates: towards a General Strategy for Small-Molecule Synthesis</a>  | Gillis, Eric P.; Burke, Martin D.  | University of Illinois at Urbana-Champaign  |
| 2009 | 42   | 2   | <a href="#">Chiral Diene Ligands for Asymmetric Catalysis</a>  | Shintani, Ryo; Hayashi, Tamio  | Kyoto University  |
| 2009 | 42   | 2   | <a href="#">Chiral, Chelating, Hydroxyalkyl and Hydroxyaryl N-Heterocyclic Carbenes: Design, Synthesis, and Application in Copper-Catalyzed Asymmetric Conjugate Addition (Cu-ACA)</a> | Wencel, Joanna; Mauduit, Marc; Hénon, Hélène; Kehrl, Stefan; Alexakis, Alexandre   | Université Européenne de Bretagne and Université de Genève                          |
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| 2009 | 42   | 3   | <a href="#">Synthesis and Applications of Diorganozinc Reagents: Beyond Diethylzinc</a>  | Lemire, Alexandre; Côté, Alexandre; Janes, Marc K.; Charette, André B.   | Université de Montréal  |
| 2008 | 41   | 1   | <a href="#">Practical Organocatalysis with (S)- and (R)-5-Pyrrolidin-2-yl-1H-tetrazoles</a>  | Longbottom, Deborah A.; Franckevicius, Vilijus; Kumarn, Sirirat; Oelke, Alexander J.; Wascholowski, Veit; Ley, Steven V. | University of Cambridge (U.K.)  |
| 2008 | 41   | 1   | <a href="#">Aminophosphine Catalysts in Modern Asymmetric Synthesis</a>  | Amoroso, Dino; Graham, Todd W.; Guo, Rongwei; Tsang, Chi-Wing; Abdur-Rashid, Kamaluddin                                  | Kanata Chemical Technologies, Inc. (Toronto, Canada)                                |
| 2008 | 41   | 2   | <a href="#">TRIP—A Powerful Brønsted Acid Catalyst for Asymmetric Synthesis</a>  | Adair, Gareth; Mukherjee, Santanu; List, Benjamin  | Max-Planck-Institut für Kohlenforschung   |
| 2008 | 41   | 2   | <a href="#">N-Heterocyclic Carbene–Copper Complexes: Synthesis and Applications in Catalysis</a>   | Diez-González, Silvia; Nolan, Steven P.  | Institute of Chemical Research of Catalonia (ICIQ)                                  |
| 2008 | 41   | 3   | <a href="#">Transition-Metal-Catalyzed Cross-Couplings Going Green: in Water at Room Temperature</a>   | Lipshutz, Bruce H.; Ghorai, Subir  | University of California, Santa Barbara   |
| 2008 | 41   | 3   | <a href="#">Preparation of Chiral Diamines by the Diaza-Cope Rearrangement (DCR)</a>   | Kim, Hyunwoo; So, Soon Mog; Chin, Jik, Kim, B. Moon  | University of Toronto and Seoul National University                                 |
| 2008 | 41   | 4   | <a href="#">Formation of C–C Bonds via Catalytic Hydrogenation and Transfer Hydrogenation: Vinylation, Allylation and Enolate Addition</a>   | Patman, Ryan L.; Bower, John F.; Kim, In Su; Krische, Michael J.   | University of Texas at Austin   |
| 2008 | 41   | 4   | <a href="#">Amino Carbonyl Compounds in Organic Synthesis</a>  | Baktharaman, Sivaraj; Hill, Ryan; Yudin, Andrei K.   | University of Toronto   |
| 2007 | 40   | 1   | <a href="#">What a Journey It Has Been!</a>  | Firsan, Sharbil J.   | Sigma-Aldrich Corp.   |
| 2007 | 40   | 1   | <a href="#">Catalytic Azide-Alkyne Cycloaddition: Reactivity and Applications</a>  | Wu, Peng; Fokin, Valery V.   | Scripps Research Institute  |
| 2007 | 40   | 1   | <a href="#">Selecting and Driving Monolayer Structures through Tailored Intermolecular Interactions</a>  | Mullen, Thomas J.; Dameron, Arrelaine A.; Andrews, Anne M.; Weiss, Paul S.   | Pennsylvania State University   |

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| 2007 | 40   | 3   | Palladium-Catalyzed Dynamic Kinetic Asymmetric Allylic Alkylation with the DPPBA Ligands  | Trost, Barry M.; Fandrick, Daniel R.  | Stanford University   |
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| 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)                           |
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| 1985 | 18   | 1   | "Dry-Column" Flash Chromatography   | Harwood, Lawrence M.  | Oxford University  |
| 1985 | 18   | 2   | Organozirconium Compounds as New Reagents and Intermediates   | Negishi, Ei-ichi; Takahashi, Tamotsu  | Purdue University  |
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| 1985 | 18   | 4   | Lanthanides in Organic Synthesis  | Long, John R.   |  |
| 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  |
| 1984 | 17   | 2   | Preparative Flash-Vacuum Thermolysis. The Revival of Pyrolytic Synthesis  | Wiersum, U.E.   | Akzo Research Labs, The Netherlands  |
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| 1983 | 16   | 2   | Lectins   | Balding, Peter; Humphryes, Ken C.   | Sigma- London  |
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| 1982 | 15   | 2   | Studies in Asymmetric Synthesis. The Development of Practical Chiral Enolate Synthons                                   | Evans, David A.   | California Institute of Technology   |
| 1982 | 15   | 2   | A Compilation of References on R-Functional Acyl Anion Synthons, RCO <sup>-</sup>                                       | Hase, Tapio A.; Koskimies, Jorma K.   | University of Helsinki   |
| 1982 | 15   | 3   | Advances in Stereochemical Control: The 1,2- and 1,3-Diol Systems   | Masanune, Satoru; Choy, William   | Massachusetts Institute of Technology  |
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| 1981 | 14   | 1   | Chemical Reactions of Newly Available Pyridines   | Beschke, Helmut   | Degussa  |
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| 1979 | 12   | 2   | <a href="#">A Small Chemical Businessman Looks at Premanufacture Notification (PMN)</a>   | Greenlee, Kenneth W.                         | Chemsampco, Inc.   |
| 1979 | 12   | 3   | <a href="#">New Synthetic Reagents and Reactions</a>  | Olah, George A.                              | University of Southern California at Los Angeles             |
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| 1979 | 12   | 4   | <a href="#">Metal-Catalyzed, Highly Selective Oxygenations of Olefins and Acetylenes with <i>tert</i>-Butyl Hydroperoxide. Practical Considerations and Mechanisms.</a> | Sharpless, K. Barry; Verhoeven, Thomas R.    | Stanford University  |
| 1979 | 12   | 4   | <a href="#">Tilorone, Its Analogs, and Developments in Chemical Immunology</a>  | Levin, Robert H.                             | Consultant (Research & Management)                           |
| 1978 | 11   | 1   | <a href="#">A Status Report on Biological Stains</a>  | Green, Floyd J.                              | Aldrich Chemical Co., Inc.                                   |
| 1978 | 11   | 1   | <a href="#">Chemical Reactions of 2,3-Cycloalkenopyridines</a>  | Beschke, Helmut                              | Degussa  |
| 1978 | 11   | 2   | <a href="#">Recent Progress in Macrolide Synthesis</a>  | Masamune, Satoru                             | University of Alberta  |
| 1978 | 11   | 3   | <a href="#">Selenium Reagents for Organic Synthesis</a>   | Clive, Derrick L. J.                         | University of Alberta  |
| 1978 | 11   | 3   | <a href="#">Organic Sulfur Compounds in Organic Synthesis: Some Recent Advances</a>   | Block, Eric                                  | University of Missouri at St. Louis                          |
| 1977 | 10   | 1   | <a href="#">Robert Burns Woodward: Three Score Years and Then?</a>  | Dolphin, David                               | University of British Columbia                               |
| 1977 | 10   | 1   | <a href="#">Handling Air-Sensitive Reagents</a>   | Lane, Clinton F.; Kramer, Gary W.            | Aldrich-Boranes, Inc. & Purdue U.                            |
| 1977 | 10   | 2   | <a href="#">Chlorosulfonyl Isocyanate: Silver Anniversary of a Lively Heterocumulene</a>  | Szabo, William A.                            | Aldrich Chemical Co., Inc.                                   |
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| 1977 | 10   | 4   | <a href="#">A Practical Guide to Uses of Lanthanide NMR Shift Reagents</a>  | Kime, Katherine A.; Sievers, Robert E.       | University of Colorado                                       |
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| 1974 | 7    | 1   | <a href="#">Organic Synthesis via Organoboranes II. Selective Reductions Using Borane-tetrahydrofuran Complex</a>   | Lane, Clinton F.                             | Aldrich-Boranes, Inc.  |
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| 1973 | 6    | 3   | <a href="#">The Borane•Amine Complexes</a>  | Lane, Clinton F.                             | Aldrich-Boranes, Inc.  |
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| 1971 | 4    | 1   | <a href="#">Macrocyclic Polyethers for Complexing Metals</a>   | Pedersen, Charles J.                   | E. I. Du Pont de Nemours & Co., Inc.          |
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