

2017

De, C. K., Mitra, R., & List, B. (2017). Design and Synthesis of Enantiopure Tetrakis(pentafluorophenyl) Borate Analogues for Asymmetric Counteranion Directed Catalysis. *Synlett*, 28(18), 2435-2438. [doi:10.1055/s-0036-1590903](https://doi.org/10.1055/s-0036-1590903).

Lee, S., Kaib, P. S., & List, B. (2017). N-Triflylphosphorimidoyl Trichloride: A Versatile Reagent for the Synthesis of Strong Chiral Brønsted Acids. *Synlett*, 28(12), 1478-1480. [doi:10.1055/s-0036-1588782](https://doi.org/10.1055/s-0036-1588782).

Menezes Correia, J. T., List, B., & Coelho, F. (2017). Catalytic Asymmetric Conjugate Addition of Indolizines to α,β -Unsaturated Ketones. *Angewandte Chemie, International Edition in English*, 56(27), 7967-7970. [doi:10.1002/anie.201700513](https://doi.org/10.1002/anie.201700513).

List, B. (2017). Crowd-based peer review can be good and fast. *Nature*, 546(7656), 9. [doi:10.1038/546009a](https://doi.org/10.1038/546009a).

Xie, Y., & List, B. (2017). Catalytic Asymmetric Intramolecular [4+2] Cycloaddition of In Situ Generated ortho-Quinone Methides. *Angewandte Chemie International Edition in English*, 56(18), 4936-4940. [doi:10.1002/anie.201612149](https://doi.org/10.1002/anie.201612149).

Lee, S., Kaib, P. S., & List, B. (2017). Asymmetric Catalysis via Cyclic, Aliphatic Oxocarbenium Ions. *Journal of the American Chemical Society*, 139(6), 2156-2159. [doi:10.1021/jacs.6b11993](https://doi.org/10.1021/jacs.6b11993).

Kim, J.-H., Tap, A., Liu, L., & List, B. (2017). Catalytic Asymmetric Thioacetalization of Aldehydes. *Synlett*, 28(03), 333-336. [doi:10.1055/s-0036-1588083](https://doi.org/10.1055/s-0036-1588083).

Das, S., Majumdar, N., De, C. K., Kundu, D. S., Döhring, A., Garczynski, A., & List, B. (2017). Asymmetric Catalysis of the Carbonyl-Amine Condensation: Kinetic Resolution of Primary Amines. *Journal of the American Chemical Society*, 139(4), 1357-1359. [doi:10.1021/jacs.6b12176](https://doi.org/10.1021/jacs.6b12176).

Höfler, D., van Gemmeren, M., Wedemann, P., Kaupmees, K., Leito, I., Leutzsch, M., Lingnau, J., & List, B. (2017). 1,1,3,3-Tetratrylpropene (TTP): A Strong, Allylic C-H Acid for Brønsted and Lewis Acid Catalysis. *Angewandte Chemie International Edition in English*, 56(5), 1411-1415. [doi:10.1002/anie.201609923](https://doi.org/10.1002/anie.201609923).

2016

Wakchaure, V., & List, B. (2016). Catalytic Asymmetric Reductive Condensation of N-H Imines: Synthesis of C₂-Symmetric Secondary Amines. *Angewandte Chemie International Edition in English*, 55(51), 15775-15778. [doi:10.1002/anie.201608329](https://doi.org/10.1002/anie.201608329).

Monaco, M. R., Fazzi, D., Tsuji, N., Leutzsch, M., Liao, S., Thiel, W., & List, B. (2016). The Activation of Carboxylic Acids via Self-Assembly Asymmetric Organocatalysis: A Combined Experimental and Computational Investigation. *Journal of the American Chemical Society*, 138(44), 14740-14749. [doi:10.1021/jacs.6b09179](https://doi.org/10.1021/jacs.6b09179).

Xie, Y., Cheng, G.-J., Lee, S., Kaib, P. S., Thiel, W., & List, B. (2016). Catalytic Asymmetric Vinylogous Prins Cyclization: A Highly Diastereo- and Enantioselective Entry to Tetrahydrofurans. *Journal of the American Chemical Society*, 138(44), 14538-14541. [doi:10.1021/jacs.6b09129](https://doi.org/10.1021/jacs.6b09129).

Kaib, P. S., Schreyer, L., Lee, S., Properzi, R., & List, B. (2016). Extremely Active Organocatalysts Enable a Highly Enantioselective Addition of Allyltrimethylsilane to Aldehydes. *Angewandte Chemie International Edition*, 55(42), 13200-13203. [doi:10.1002/anie.201607828](https://doi.org/10.1002/anie.201607828).

Liu, L., Kaib, P. S., Tap, A., & List, B. (2016). A General Catalytic Asymmetric Prins Cyclization. *Journal of the American Chemical Society*, 138, 10822-10825. [doi:10.1021/jacs.6b07240](https://doi.org/10.1021/jacs.6b07240).

Das, S., Liu, L., Zheng, Y., Alachraf, M. W., Thiel, W., De, C. K., & List, B. (2016). Nitrated Confined Imidodiphosphates Enable a Catalytic Asymmetric Oxa-Pictet-Spengler Reaction. *Journal of the American Chemical Society*, 138(30), 9429-9432. [doi:10.1021/jacs.6b06626](https://doi.org/10.1021/jacs.6b06626).

Zhang, Z., Bae, H. Y., Guin, J., Rabalakos, C., van Gemmeren, M., Leutzsch, M., Klussmann, M., & List, B. (2016). Asymmetric counteranion-directed Lewis acid organocatalysis for the scalable cyanosilylation of aldehydes. *Nature Communications*, (7): 12478. [doi:10.1038/ncomms12478](https://doi.org/10.1038/ncomms12478).

Tap, A., Blond, A., Wakchaure, V. N., & List, B. (2016). Chiral Allenes via Alkynylogous Mukaiyama Aldol Reaction. *Angewandte Chemie International Edition*, 55(31), 8962-8965. [doi:10.1002/anie.201603649](https://doi.org/10.1002/anie.201603649).

Kötzner, L., Leutzsch, M., Sievers, S., Patil, S., Waldmann, H., Zheng, Y., Thiel, W., & List, B. (2016). The Organocatalytic Approach to Enantiopure 2H- and 3H- Pyrroles: Inhibitors of the Hedgehog Signaling Pathway. *Angewandte Chemie International Edition*, 55(27), 7693-7697. [doi:10.1002/anie.201602932](https://doi.org/10.1002/anie.201602932).

Pupo, G., Properzi, R., & List, B. (2016). Asymmetric Catalysis with CO₂: The Direct α -Allylation of Ketones. *Angewandte Chemie International Edition*, 55, 6099-6102. [doi:10.1002/anie.201601545](https://doi.org/10.1002/anie.201601545).

Liao, S., Leutzsch, M., Monaco, M. R., & List, B. (2016). Catalytic Enantioselective Conversion of Epoxides to Thiiranes. *Journal of the American Chemical Society*, 138(16), 5230-5233. [doi:10.1021/jacs.6b01960](https://doi.org/10.1021/jacs.6b01960).

Monaco, M. R., Pupo, G., & List, B. (2016). Phosphoric Acid Based Heterodimers in Asymmetric Catalysis. *Synlett*, 27(7), 1027-1040. [doi:10.1055/s-0035-1561954](https://doi.org/10.1055/s-0035-1561954).

Monaco, M. R., Properzi, R., & List, B. (2016). An Approach to Highly Hindered BINOL Phosphates. *Synlett*, 27(04), 591-594. [doi:10.1055/s-0035-1560771](https://doi.org/10.1055/s-0035-1560771).

Gatzenmeier, T., van Gemmeren, M., Xie, Y., Höfler, D., Leutzsch, M., & List, B. (2016). Asymmetric Lewis acid organocatalysis of the Diels-Alder reaction by a silylated C-H acid. *Science Magazine*, 351(6276), 949-952. [doi:10.1126/science.aae0010](https://doi.org/10.1126/science.aae0010).

Kaib, P. S., & List, B. (2016). Highly Acidic BINOL-Derived Phosphoramidimides and their Application in the Brønsted Acid Catalyzed Synthesis of a α -Tocopherol. *Synlett*, 27(1), 156-158. [doi:10.1055/s-0035-1560971](https://doi.org/10.1055/s-0035-1560971).

2015

Liu, L., Leutzsch, M., Zheng, Y., Alachraf, M. W., Thiel, W., & List, B. (2015). Confined Acid-Catalyzed Asymmetric Carbonyl-Ene Cyclization. *Journal of the American Chemical Society*, 137(41), 13268-13271. [doi:10.1021/jacs.5b09484](https://doi.org/10.1021/jacs.5b09484).

Wakchaure, V., Kaib, P. S., Leutzsch, M., & List, B. (2015). Disulfonimide-Catalyzed Asymmetric Reduction of N-Alkyl Imines. *Angewandte Chemie International Edition*, 54(40), 11852-11856. [doi:10.1002/anie.201504052](https://doi.org/10.1002/anie.201504052).

Merten, C., Pollok, C. H., Liao, S., & List, B. (2015). Stereochemical Communication within a Chiral Ion Pair Catalyst. *Angewandte Chemie International Edition*, 54(30), 8841-8845. [doi:10.1002/anie.201501271](https://doi.org/10.1002/anie.201501271).

James, T., van Gemmeren, M., & List, B. (2015). Development and Applications of Disulfonimides in Enantioselective Organocatalysis. *Chemical Reviews*, 115(17), 9388-9409. [doi:10.1021/acs.chemrev.5b00128](https://doi.org/10.1021/acs.chemrev.5b00128).

Wang, Q., & List, B. (2015). A Mukaiyama–Claisen Approach to 3,5-Diketo Esters. *Synlett*, 26(11), 1525-1527. [doi:10.1055/s-0034-1380145](https://doi.org/10.1055/s-0034-1380145).

Tsui, G. C., Liu, L., & List, B. (2015). The Organocatalytic Asymmetric Prins Cyclization. *Angewandte Chemie International Edition*, 54(26), 7703-7706. [doi:10.1002/anie.201500219](https://doi.org/10.1002/anie.201500219).

Shevchenko, G., Pupo, G., & List, B. (2015). Catalytic Asymmetric α -Amination of α -Branched Ketones via Enol Catalysis. *Synlett*, 26(10), 1413-1416. [doi:10.1055/s-0034-1380680](https://doi.org/10.1055/s-0034-1380680).

Wang, Q., & List, B. (2015). Disulfonimide-Catalyzed Asymmetric Synthesis of δ -Amino- β -Keto Esters. *Synlett*, 26(6), 807-809. [doi:10.1055/s-0034-1379999](https://doi.org/10.1055/s-0034-1379999).

Huang, S., Kötznér, L., De, C. K., & List, B. (2015). Catalytic Asymmetric Dearomatizing Redox Cross Coupling of Ketones with Aryl Hydrazines Giving 1,4-Diketones. *Journal of the American Chemical Society*, 137(10), 3446-3449. [doi:10.1021/ja511200j](https://doi.org/10.1021/ja511200j).

Felker, I., Pupo, G., Kraft, P., & List, B. (2015). Design and Enantioselective Synthesis of Cashmeran Odorants by Using "Enol Catalysis". *Angewandte Chemie International Edition*, 54(6), 1960-1964. [doi:10.1002/anie.201409591](https://doi.org/10.1002/anie.201409591).

Guin, J., Wang, Q., van Gemmeren, M., & List, B. (2015). The Catalytic Asymmetric Abramov Reaction. *Angewandte Chemie International Edition*, 54(1), 355-358. [doi:10.1002/anie.201409411](https://doi.org/10.1002/anie.201409411).

Hyodo, K., Gandhi, S., van Gemmeren, M., & List, B. (2015). Brønsted Acid Catalyzed Asymmetric Silylation of Alcohols. *Synlett*, 26(8), 1093-1095. [doi:10.1055/s-0034-1380409](https://doi.org/10.1055/s-0034-1380409).

Kim, J.-H., Coric, I., Palumbo, C., & List, B. (2015). Resolution of Diols via Catalytic Asymmetric Acetalization. *Journal of the American Chemical Society*, 137(5), 1778-81. [doi:10.1021/ja512481d](https://doi.org/10.1021/ja512481d).

2014

Monaco, M. R., Prévost, S., & List, B. (2014). Catalytic Asymmetric Synthesis of Thiols. *Journal of the American Chemical Society*, 136(49), 16982-16985. [doi:10.1021/ja510069w](https://doi.org/10.1021/ja510069w).

Wang, Q., van Gemmeren, M., & List, B. (2014). Asymmetric Disulfonimide-Catalyzed Synthesis of δ -Amino- β -Ketoester Derivatives by Vinylogous Mukaiyama–Mannich Reactions. *Angewandte Chemie International Edition*, 53(49), 13592-13595. [doi:10.1002/anie.201407532](https://doi.org/10.1002/anie.201407532).

List, B. (2014). Catalytic Processes that Changed the World: 100 Years Max-Planck-Institut für Kohlenforschung. *Angewandte Chemie International Edition*, 53(33), 8528-8530. [doi:10.1002/anie.201406956](https://doi.org/10.1002/anie.201406956).

Prévost, S., Dupre, N., Leutzsch, M., Wang, Q., Wakchaure, V., & List, B. (2014). Catalytic Asymmetric Torgov Cyclization: A Concise Total Synthesis of (+)-Estrone. *Angewandte Chemie International Edition*, 53(33), 8770-8773. [doi:10.1002/anie.201404909](https://doi.org/10.1002/anie.201404909).

Ratjen, L., van Gemmeren, M., Pesciaioli, F., & List, B. (2014). Towards High-Performance Lewis Acid Organocatalysis. *Angewandte Chemie International Edition*, 53(33), 8765-8769. [doi:10.1002/anie.201402765](https://doi.org/10.1002/anie.201402765).

Monaco, M. R., Prévost, S., & List, B. (2014). Organocatalytic Asymmetric Hydrolysis of Epoxides. *Angewandte Chemie International Edition*, 53(31), 8142-8145. [doi:10.1002/anie.201400170](https://doi.org/10.1002/anie.201400170).

- Monaco, M. R., Poladura, B., Diaz de los Bernardos Sanchez, M., Leutzsch, M., Goddard, R., & List, B. (2014). Activation of Carboxylic Acids in Asymmetric Organocatalysis. *Angewandte Chemie International Edition*, 53(27), 7063-7067. [doi:10.1002/anie.201400169](https://doi.org/10.1002/anie.201400169).
- Chusov, D., & List, B. (2014). Reductive Amination without an External Hydrogen Source. *Angewandte Chemie International Edition*, 53(20), 5199-5201. [doi:10.1002/anie.201400059](https://doi.org/10.1002/anie.201400059).
- Kötzner, L., Webber, M., Martinez Cuezva, A., de Fusco, C., & List, B. (2014). Asymmetric Catalysis on the Nanoscale: The Organocatalytic Approach to Helicenes. *Angewandte Chemie International Edition*, 53(20), 5202-5205. [doi:10.1002/anie.201400474](https://doi.org/10.1002/anie.201400474).
- Martinez Cuezva, A., Zumbansen, K., Döhring, A., van Gemmeren, M., & List, B. (2014). Improved Conditions for the Proline-Catalyzed Aldol Reaction of Acetone with Aliphatic Aldehydes. *Synlett*, 25(7), 932-934. [doi:10.1055/s-0033-1340919](https://doi.org/10.1055/s-0033-1340919).
- List, B., Coric, I., Grygorenko, O. O., Kaib, P. S., Komarov, I., Lee, A., Leutzsch, M., Pan, S. C., Tymtsunik, A. V., & van Gemmeren, M. (2014). The Catalytic Asymmetric α -Benzylation of Aldehydes. *Angewandte Chemie International Edition*, 53(1), 282-285. [doi:10.1002/anie.201306037](https://doi.org/10.1002/anie.201306037).
- van Gemmeren, M., Lay, F., & List, B. (2014). Asymmetric Catalysis Using Chiral, Enantiopure Disulfonimides. *Aldrichimica Acta*, 47(1), 3-13.

2013

- Bae, H. Y., Sim, J. H., Lee, J. W., List, B., & Song, C. E. (2013). Organocatalytic Enantioselective Decarboxylative Aldol Reaction of Malonic Acid Half Thioesters with Aldehydes. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(46), 12143-12147. [doi:10.1002/anie.201306297](https://doi.org/10.1002/anie.201306297).
- Zhang, Z., & List, B. (2013). Kinetics of the Chiral Disulfonimide-Catalyzed Mukaiyama Aldol Reaction. *Asian Journal of Organic Chemistry*, 2(11), 957-960. [doi:10.1002/ajoc.201300182](https://doi.org/10.1002/ajoc.201300182).
- Wang, Q., Leutzsch, M., van Gemmeren, M., & List, B. (2013). Disulfonimide-Catalyzed Asymmetric Synthesis of β^3 -Amino Esters Directly from N-Boc-Amino Sulfones. *Journal of the American Chemical Society*, 135(41), 15334-15337. [doi:10.1021/ja408747m](https://doi.org/10.1021/ja408747m).
- Lee, J. W., Mayer-Gall, T., Opwis, K., Song, C. E., Gutmann, J. S., & List, B. (2013). Organotextile Catalysis. *Science*, 341(6151), 1225-1229. [doi:10.1126/science.1242196](https://doi.org/10.1126/science.1242196).
- Martinez Cuezva, A., Webber, M., Müller, S., & List, B. (2013). Versatile Access to Chiral Indolines by Catalytic Asymmetric Fischer Indolization. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(36), 9486-9490. [doi:10.1002/anie.201301618](https://doi.org/10.1002/anie.201301618).
- De, C. K., Pesciaoli, F., & List, B. (2013). Catalytic Asymmetric Benzidine Rearrangement. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(35), 9293-9295. [doi:10.1002/anie.201304039](https://doi.org/10.1002/anie.201304039).
- Lifchits, O., Mahlau, M., Reisinger, C. M., Lee, A., Farès, C., Polyak, I., Gopakumar, G., Thiel, W., & List, B. (2013). The Cinchona Primary Amine-Catalyzed Asymmetric Epoxidation and Hydroperoxidation of α,β -Unsaturated Carbonyl Compounds with Hydrogen Peroxide. *Journal of the American Chemical Society*, 135(17), 6677-6693. [doi:10.1021/ja402058v](https://doi.org/10.1021/ja402058v).

Kim, J.-H., Coric, I., Vellalath, S., & List, B. (2013). The Catalytic Asymmetric Acetalization. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(16), 4474-4477.

[doi:10.1002/anie.201300120](https://doi.org/10.1002/anie.201300120).

Čorić, I., Kim, J.-H., Vlaar, T., Patil, M., Thiel, W., & List, B. (2013). Brønsted Acid Catalyzed Asymmetric S_N2 -Type O-Alkylations. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(12), 3490-3493. [doi:10.1002/anie.201209983](https://doi.org/10.1002/anie.201209983).

Guin, J., Varseev, G., & List, B. (2013). Catalytic Asymmetric Protonation of Silyl Ketene Imines. *Journal of the American Chemical Society*, 135(6), 2100-2103. [doi:10.1021/ja312141b](https://doi.org/10.1021/ja312141b).

Gandhi, S., & List, B. (2013). Catalytic Asymmetric Three-Component Synthesis of Homoallylic Amines. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 52(9), 2573-2576.

[doi:10.1002/anie.201209776](https://doi.org/10.1002/anie.201209776).

Coric, I., Vellalath, S., Müller, S., Cheng, X., & List, B. (2013). Developing Catalytic Asymmetric Acetalizations. *Topics in Organometallic Chemistry*, 44, 165-193. [doi:10.1007/3418_2012_53](https://doi.org/10.1007/3418_2012_53).

Mahlau, M., & List, B. (2013). Asymmetric Counteranion-Directed Catalysis: Concept, Definition, and Applications. *Angewandte Chemie International Edition in English*, 52(2), 518-533. doi: 10.1002/anie.201205343.

2012

Mahlau, M., Garcia-Garcia, P., & List, B. (2012). Asymmetric Counteranion-Directed Catalytic Hosomi-Sakurai Reaction. *Chemistry-a European Journal*, 18(51), 16283-16287. [doi:10.1002/chem.201203623](https://doi.org/10.1002/chem.201203623).

Lee, J. W., & List, B. (2012). Deracemization of α -Aryl Hydrocoumarins via Catalytic Asymmetric Protonation of Ketene Dithioacetals. *Journal of the American Chemical Society*, 134(44), 18245-18248. [doi:10.1021/ja3096202](https://doi.org/10.1021/ja3096202).

Mahlau, M., & List, B. (2012). Asymmetric Synthesis II (Ed. M. Christmann, S. Bräse). In *Asymmetric Synthesis II* (Ed. M. Christmann, S. Bräse) (pp. 79-84). Weinheim: Wiley-VCH.

Maruoka, K., List, B., Yamamoto, H., & Gong, L.-Z. (2012). Organocatalysis: a web collection. *Chemical Communications*, 2012(48), 10703-10703. [doi:10.1039/c2cc90327j](https://doi.org/10.1039/c2cc90327j).

Liao, S., & List, B. (2012). Asymmetric Counteranion-Directed Iron Catalysis: A Highly Enantioselective Sulfoxidation. *Advanced Synthesis and Catalysis*, 354(13), 2363-2367. [doi:10.1002/adsc.201200251](https://doi.org/10.1002/adsc.201200251).

List, B. (2012). Organocatalysis. *Beilstein Journal of Organic Chemistry*, 8, 1358-1359. [doi:10.3762/bjoc.8.156](https://doi.org/10.3762/bjoc.8.156).

List, B. (2012). Organocatalysis. *Beilstein Journal of Organic Chemistry*, 8, 1358-1359. [doi:10.3762/bjoc.8.156](https://doi.org/10.3762/bjoc.8.156).

List, B., & Liao, S. (2012). The Proline-Catalyzed Mannich Reaction and the Advent of Enamine Catalysis. In K. Ding (Ed.), *Organic Chemistry - Breakthroughs and Perspectives*. Weinheim: Wiley-VCH Verlag & Co. KGaA.

[doi:10.1002/9783527664801.ch10](https://doi.org/10.1002/9783527664801.ch10).

Guin, J., Rabalakos, C., & List, B. (2012). Highly Enantioselective Hetero-Diels-Alder Reaction of 1,3-Bis-(silyloxy)-1,3-dienes with Aldehydes Catalyzed by Chiral Disulfonimide. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 51(35), 8859-8863. [doi:10.1002/anie.201204262](https://doi.org/10.1002/anie.201204262).

Mahlau, M., & List, B. (2012). Asymmetric Counteranion-Directed Catalysis (ACDC): A Remarkably General Approach to Enantioselective Synthesis. *Israel Journal of Chemistry*, 52, 630-638. [doi:10.1002/ijch.201200001](https://doi.org/10.1002/ijch.201200001).

Liao, S., Čorić, I., Wang, Q., & List, B. (2012). Activation of H₂O₂ by Chiral Confined Brønsted Acids: A Highly Enantioselective Catalytic Sulfoxidation. *Journal of the American Chemical Society*, 134(26), 10765-10768. [doi:10.1021/ja3035637](https://doi.org/10.1021/ja3035637).

Demoulin, N., Lifchits, O., & List, B. (2012). Organocatalytic Asymmetric α -Benzoyloxylation of α -Branched Aldehydes and Enals. A Useful Approach to Oxygenated Quaternary Stereocenters. *Tetrahedron*, 68, 7568-7574. [doi:10.1016/j.tet.2012.06.043](https://doi.org/10.1016/j.tet.2012.06.043).

Lee, A., Reisinger, C. M., & List, B. (2012). Catalytic Asymmetric Epoxidation of 2-Cyclopentenones. *Advanced Synthesis and Catalysis*, 354, 1701-1706. [doi:10.1002/adsc.201200072](https://doi.org/10.1002/adsc.201200072).

List, B. (2012). *Asymmetric Organocatalysis 1: Lewis Base and Acid Catalysts*. Stuttgart: Georg Thieme Verlag KG.

List, B. (2012). *Asymmetric Organocatalysis 1: Lewis Base and Acid Catalysts*. *Science of Synthesis: Asymmetric Organocatalysis Vol. 1: Lewis Base and Acid Catalysts*.

Čorić, I., & List, B. (2012). Asymmetric Spiroacetalization Catalysed by Confined Brønsted Acids. *Nature (London)*, 483 (7389), 315-319. [doi:10.1038/nature10932](https://doi.org/10.1038/nature10932).

2011

List, B., Müller, S., & Webber, M. J. (2011). The Catalytic Asymmetric Fischer Indolization. *Journal of the American Chemical Society*, (133), 18534-18537. doi: 10.1021/ja2092163.

Jiang, G. X., & List, B. (2011). Palladium/Brønsted Acid-Catalyzed α -Allylation of Aldehydes with Allylic Alcohols. *Advanced Synthesis & Catalysis*, 353(10), 1667-1670. [doi:10.1002/adsc.201100260](https://doi.org/10.1002/adsc.201100260).

List, B. (2011). Cluster Preface: Challenges of Proline-Based Aminocatalysis. *Synlett*, (4), 462-463. [doi:10.1055/s-0030-1259544](https://doi.org/10.1055/s-0030-1259544).

List, B. (2011). Cluster Preface: Challenges of Proline-Based Aminocatalysis. *Synlett*, 4(20), 462-463. [doi:10.1055/s-0030-1259544](https://doi.org/10.1055/s-0030-1259544).

Ratjen, L., Garcia-Garcia, P., Lay, F., Beck, M. E., & List, B. (2011). Disulfonimide-Catalyzed Asymmetric Vinylogous and Bisvinylogous Mukaiyama Aldol Reactions. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 50(3), 754-758. [doi:10.1002/anie.201005954](https://doi.org/10.1002/anie.201005954).

Jiang, G. X., Halder, R., Fang, Y. W., & List, B. (2011). A Highly Enantioselective Overman Rearrangement through Asymmetric Counteranion-Directed Palladium Catalysis. *Angewandte Chemie-International Edition*, 50, 9752-9755. [doi:10.1002/anie.201103843](https://doi.org/10.1002/anie.201103843).

Jiang, G. X., & List, B. (2011). Direkte asymmetrische α -Allylierung von Aldehyden mit Allylkohlen, ermöglicht durch das Zusammenwirken dreier Katalysatoren. *Angewandte Chemie*, 123, 9643-9646. [doi:10.1002/ange.201103263](https://doi.org/10.1002/ange.201103263).

Jiang, G. X., Halder, R., Fang, Y. W., & List, B. (2011). Hoch enantioselektive Overman-Umlagerung durch asymmetrische Gegenanionen-vermittelte Palladium-Katalyse. *Angewandte Chemie*, 123(41), 9926-9929. [doi:10.1002/ange.201103843](https://doi.org/10.1002/ange.201103843).

Lee, A., Michrowska, A., Sulzer-Mosse, S., & List, B. (2011). Die katalytische asymmetrische Knoevenagel-Kondensation. *Angewandte Chemie*, 123, 1745-1748. [doi:10.1002/ange.201006319](https://doi.org/10.1002/ange.201006319).

Lee, A., Michrowska, A., Sulzer-Mosse, S., & List, B. (2011). The Catalytic Asymmetric Knoevenagel Condensation. *Angewandte Chemie-International Edition*, 50, 1707-1710. [doi:10.1002/anie.201006319](https://doi.org/10.1002/anie.201006319).

Jiang, G. X., & List, B. (2011). Direct Asymmetric alpha-Allylation of Aldehydes with Simple Allylic Alcohols Enabled by the Concerted Action of Three Different Catalysts. *Angewandte Chemie-International Edition*, 50, 9471-9474. [doi:10.1002/anie.201103263](https://doi.org/10.1002/anie.201103263).

Müller, S., Webber, M. J., & List, B. (2011). The Catalytic Asymmetric Fischer Indolization. *Journal of the American Chemical Society*, 133, 18534-18537. [doi:10.1021/ja2092163](https://doi.org/10.1021/ja2092163).

Ratjen, L., García-García, P., Lay, F., Beck, M. E., & List, B. (2011). Disulfonimid-katalysierte asymmetrische vinyloge und bisvinyloge Mukaiyama-Aldolreaktionen. *Angewandte Chemie*, 123, 780-784. [doi:10.1002/ange.201005954](https://doi.org/10.1002/ange.201005954).

Jiang, G. X., & List, B. (2011). Enantioselective hydrovinylation via asymmetric counteranion-directed ruthenium catalysis. *Chemical Communications*, 47, 10022-10024. [doi:10.1039/C1CC12499D](https://doi.org/10.1039/C1CC12499D).

Lifchits, O., Demoulin, N., & List, B. (2011). Direct Asymmetric alpha Benzoyloxylation of Cyclic Ketones. *Angewandte Chemie*, 41, 9854-9857. [doi:10.1002/ange.201104244](https://doi.org/10.1002/ange.201104244).

Lifchits, O., Demoulin, N., & List, B. (2011). Direct Asymmetric alpha Benzoyloxylation of Cyclic Ketones. *Angewandte Chemie International Edition in English*, 41, 9854-9857. [doi:10.1002/ange.201104244](https://doi.org/10.1002/ange.201104244).

2010

List, B. (2010). Emil Knoevenagel and the Roots of Aminocatalysis. *Angewandte Chemie International Edition in English*, (49), 1730-1734. [doi:10.1002/anie.200906900](https://doi.org/10.1002/anie.200906900).

Wakchaure, V. N., & List, B. (2010). Ein neues Strukturmotiv für difunktionelle Brønsted-Säure/Base-Organokatalyse. *Angewandte Chemie*, 122, 4230-4233. [doi:10.1002/ange.201000637](https://doi.org/10.1002/ange.201000637).

Wakchaure, V. N., Nicoletti, M., Ratjen, L., & List, B. (2010). Towards a Practical Bronsted Acid Catalyzed and Hantzsch Ester Mediated Asymmetric Reductive Amination of Ketones with Benzylamine. *Synlett*, (18), 2708-2710. [doi:10.1055/s-0030-1259003](https://doi.org/10.1055/s-0030-1259003).

Liao, S., & List, B. (2010). Asymmetric Counteranion-Directed Transition-Metal Catalysis: Enantioselective Epoxidation of Alkenes with Manganese(III) Salen Phosphate Complexes. *Angewandte Chemie-International Edition*, 49, 628-631. [doi:10.1002/anie.200905332](https://doi.org/10.1002/anie.200905332).

Vellalath, S., Čorić, I., & List, B. (2010). N-Phosphinyl Phosphoramidate — A Chiral Brønsted Acid Motif for the Direct Asymmetric N,O-Acetalization of Aldehydes. *Angewandte Chemie, International Edition*, 49, 9749-9752. [doi:10.1002/anie.201005347](https://doi.org/10.1002/anie.201005347).

Bock, D. A., Lehmann, C. W., & List, B. (2010). Crystal structures of proline-derived enamines. *Proceedings of the National Academy of Sciences of the United States of America*, 107, 20636-20641. [doi:10.1073/pnas.1006509107](https://doi.org/10.1073/pnas.1006509107).

Ratjen, L., Müller, S., & List, B. (2010). ACDC - not just for heavy metal fans. *Nachrichten aus der Chemie*, 58, 640-646. [doi:10.1002/nadc.201073347](https://doi.org/10.1002/nadc.201073347).

Klussmann, M., Ratjen, L., Hoffmann, S., Wakchaure, V., Goddard, R., & List, B. (2010). Synthesis of TRIP and Analysis of Phosphate Salt Impurities. *Synlett*, 2189-2192. [doi:10.1055/s-0030-1258505](https://doi.org/10.1055/s-0030-1258505).

Zumbansen, K., Döhring, A., & List, B. (2010). Morpholinium Trifluoroacetate-Catalyzed Aldol Condensation of Acetone with both Aromatic and Aliphatic Aldehydes. *Advanced Synthesis & Catalysis*, 352, 1135-1138.

[doi:10.1002/adsc.200900902](https://doi.org/10.1002/adsc.200900902).

Wakchaure, V. N., & List, B. (2010). A New Structural Motif for Bifunctional Brønsted Acid/Base Organocatalysis.

Angewandte Chemie, International Edition, 49, 4136-4139. [doi:10.1002/anie.201000637](https://doi.org/10.1002/anie.201000637).

Lifchits, O., Reisinger, C. M., & List, B. (2010). Catalytic Asymmetric Epoxidation of α -Branched Enals. *Journal of the American Chemical Society*, 132, 10227-10229.

[doi:10.1021/ja1037935](https://doi.org/10.1021/ja1037935).

Zhang, Y., Lay, F., Garcia-Garcia, P., List, B., & Chen, E. Y. X. (2010). High-Speed Living Polymerization of Polar Vinyl Monomers by Self-Healing Silylium Catalysts. *Chemistry-A European Journal*, 16, 10462-10473.

[doi:10.1002/chem.201000961](https://doi.org/10.1002/chem.201000961).

Wakchaure, V. N., Zhou, J., Hoffmann, S., & List, B. (2010). Catalytic Asymmetric Reductive Amination of α -Branched Ketones. *Angewandte Chemie, International Edition*, 49, 4612-4614.

[doi:10.1002/anie.201001715](https://doi.org/10.1002/anie.201001715).

Liao, S., & List, B. (2010). Asymmetrische Gegenanion-vermittelte Übergangsmetallkatalyse: enantioselektive Epoxidierung von Alkenen mit Mangan(III)-Salen-Phosphatkomplexen. *Angewandte Chemie*, 122, 638-641.

[doi:10.1002/ange.200905332](https://doi.org/10.1002/ange.200905332).

Čorić, I., Müller, S., & List, B. (2010). Kinetic Resolution of Homoaldols via Catalytic Asymmetric Transacetalization.

Journal of the American Chemical Society, 132, 17370-17373. [doi:10.1021/ja108642s](https://doi.org/10.1021/ja108642s).

Čorić, I., Vellalath, S., & List, B. (2010). Additions & Corrections Page 8536: An incorrect structure.. Catalytic

Asymmetric Transacetalization. *Journal of the American Chemical Society*, 132, 12155-12155. [doi:10.1021/ja105707w](https://doi.org/10.1021/ja105707w).

Čorić, I., Vellalath, S., & List, B. (2010). Catalytic Asymmetric Transacetalization. *Journal of the American Chemical Society*, 132, 8536-8537.

[doi:10.1021/ja102753d](https://doi.org/10.1021/ja102753d).

Müller, S., & List, B. (2010). Catalytic Asymmetric 6π -Electrocyclization: Accessing Highly Substituted Optically Active 2-

Pyrazolines via Diastereoselective Alkylations. *Synthesis-Stuttgart*, (13), 2171-2178. [doi:10.1055/s-0029-1218792](https://doi.org/10.1055/s-0029-1218792).

Kampen, D., Reisinger, C. M., & List, B. (2010). Chiral Brønsted Acids for Asymmetric Organocatalysis. In B. List (Ed.),

ASYMMETRIC ORGANOCATALYSIS (pp. 395-456). Berlin: Springer-Verlag Berlin.

List, B. (2010). Emil Knoevenagel and the Roots of Aminocatalysis. *Angewandte Chemie, International Edition*, 49, 1730-

1734. [doi:10.1002/anie.200906900](https://doi.org/10.1002/anie.200906900).

List, B. (2010). Emil Knoevenagel und die Ursprünge der Aminokatalyse. *Angewandte Chemie*, 122, 1774-1779.

[doi:10.1002/ange.200906900](https://doi.org/10.1002/ange.200906900).

2009

García-García, P., Lay, F., García-García, P., Rabalakos, C., Rampalakos, C., & List, B. (2009). A Powerful Chiral Counteranion Motif for Asymmetric Catalysis. *Angewandte Chemie International Edition in English*, 48, 4363-4366.

[doi:10.1002/anie.200901768](https://doi.org/10.1002/anie.200901768).

List, B. (2009). Enough Organocatalysis? In B. List (Ed.), *Asymmetric Organocatalysis*. Springer Verlag.

List, B. (Ed.). (2009). *Asymmetric Organocatalysis*. Springer Verlag.

- Yang, Y. W., Pan, S. C., & List, B. (2009). Synthesis of tert-Butyl (1S,2S)-2-methyl-3-oxo-1-phenylpropylcarbamate by Asymmetric Mannich Reaction. *Organic Syntheses*, 86, 11-17. [doi:10.1002/0471264229.os086.02](https://doi.org/10.1002/0471264229.os086.02).
- Müller, S., & List, B. (2009). Eine katalytische asymmetrische 6 π -Elektrocyclisierung: enantioselektive Synthese von 2-Pyrazolinen. *Angewandte Chemie*, 121, 10160-10163. [doi:10.1002/ange.200905035](https://doi.org/10.1002/ange.200905035).
- Müller, S., & List, B. (2009). A Catalytic Asymmetric 6 π Electrocyclization: Enantioselective Synthesis of 2-Pyrazolines. *Angewandte Chemie International Edition*, 48, 9975-9978. [doi:10.1002/anie.200905035](https://doi.org/10.1002/anie.200905035).
- Chandler, C., Galzerano, P., Michrowska, A., & List, B. (2009). The Proline-Catalyzed Double Mannich Reaction of Acetaldehyde with N-Boc Imines. *Angewandte Chemie-International Edition*, 48, 1978-1980. [doi:10.1002/anie.200806049](https://doi.org/10.1002/anie.200806049).
- Manzano, R., Ozores, L., Job, A., Rodefeld, L., & List, B. (2009). Catalytic synthesis of (E)- α,β -unsaturated esters from aldehydes and 1,1-diethoxyethylene. *Beilstein Journal of Organic Chemistry*, 5: 3. [doi:10.3762/bjoc.5.3](https://doi.org/10.3762/bjoc.5.3).
- Michrowska, A., & List, B. (2009). Concise synthesis of ricciocarpin A and discovery of a more potent analogue. *Nature Chemistry*, 1, 225-228. [doi:10.1038/nchem.215](https://doi.org/10.1038/nchem.215).
- Schrader, W., Handayani, P. P., Zhou, J., & List, B. (2009). Characterization of Key Intermediates in a Complex Organocatalytic Cascade Reaction Using Mass Spectrometry. *Angewandte Chemie-International Edition*, 48, 1463-1466. [doi:10.1002/anie.200804353](https://doi.org/10.1002/anie.200804353).

2008

- Cheng, X., Vellalath, S., Goddard, R., & List, B. (2008). Direct Catalytic Asymmetric Synthesis of Cyclic Aminals from Aldehydes. *Journal of the American Chemical Society*, 130(47), 15786-15787. [doi:10.1021/ja8071034](https://doi.org/10.1021/ja8071034).
- Zhou, J., Wakchaure, V., Kraft, P., & List, B. (2008). Enantiogruppen-differenzierende intramolekulare aldolisierung durch Katalyse mit einem primären Amin. *Angewandte Chemie*, 120, 7768-7771. [doi:10.1002/ange.200890249](https://doi.org/10.1002/ange.200890249).
- Zhou, J., Wakchaure, V., Kraft, P., & List, B. (2008). Primary-amine-catalyzed enantioselective intramolecular aldolizations. *Angewandte Chemie-International Edition*, 47, 7656-7658. [doi:10.1002/anie.200802497](https://doi.org/10.1002/anie.200802497).
- Wang, X., Reisinger, C. M., & List, B. (2008). Catalytic asymmetric epoxidation of cyclic enones. *Journal of the American Chemical Society*, 130, 6070-6071. [doi:10.1021/ja801181u](https://doi.org/10.1021/ja801181u).
- Stadler, M., & List, B. (2008). Heck Reactions of Crotonaldehyde. *Synlett*, 597-599. [doi:10.1055/s-2008-1032095](https://doi.org/10.1055/s-2008-1032095).
- Yang, J. W., Chandler, C., Stadler, M., Kampen, D., & List, B. (2008). Proline-catalysed Mannich reactions of acetaldehyde. *Nature*, 452, 453-455. [doi:10.1038/nature06740](https://doi.org/10.1038/nature06740).
- Pan, S. C., & List, B. (2008). The catalytic acylcyanation of imines. *Chemistry-an Asian Journal*, 3, 430-437. [doi:10.1002/asia.200700327](https://doi.org/10.1002/asia.200700327).
- Pan, S. C., & List, B. (2008). Katalytische Ugi-Dreikomponentenreaktion. *Angewandte Chemie*, 120, 3678-3681. [doi:10.1002/ange.200800494](https://doi.org/10.1002/ange.200800494).
- Wang, X., & List, B. (2008). Asymmetric Counteranion-Directed Catalysis for the Epoxidation of Enals. *Angewandte Chemie*, 120, 1135-1138. [doi:10.1002/ange.200704185](https://doi.org/10.1002/ange.200704185).

- Cheng, X., Goddard, R., Buth, G., & List, B. (2008). Direct catalytic asymmetric three-component Kabachnik-Fields reaction. *Angewandte Chemie-International Edition*, 47, 5079-5081. [doi:10.1002/anie.200801173](https://doi.org/10.1002/anie.200801173).
- García-García, P., Ladépêche, A., Halder, R., & List, B. (2008). Catalytic Asymmetric Michael Reactions of Acetaldehyde. *Angewandte Chemie*, 120, 4797-4799. [doi:10.1002/ange.200800847](https://doi.org/10.1002/ange.200800847).
- Martin, N. J. A., Cheng, X., & List, B. (2008). Organocatalytic asymmetric transferhydrogenation of β -nitroacrylates: Accessing β^2 -amino acids. *Journal of the American Chemical Society*, 130, 13862-13863. [doi:10.1021/ja8069852](https://doi.org/10.1021/ja8069852).
- Pan, S. C., & List, B. (2008). New concepts for organocatalysis. *ORGANOCATALYSIS*, 1-43. [doi:10.1007/2789_2008_084](https://doi.org/10.1007/2789_2008_084).
- Cheng, X., Goddard, R., Buth, G., & List, B. (2008). Direkte katalytische asymmetrische Kabachnik-Fields-Dreikomponentenreaktion. *Angewandte Chemie*, 120, 5157-5159. [doi:10.1002/ange.200801173](https://doi.org/10.1002/ange.200801173).
- Kampen, D., Ladépêche, A., Claßen, G., & List, B. (2008). Brønsted acid-catalyzed three-component Hosomi-Sakurai reactions. *Advanced Synthesis & Catalysis*, 350, 962-966. [doi:10.1002/adsc.200800036](https://doi.org/10.1002/adsc.200800036).
- Reisinger, C. M., Wang, X. W., & List, B. (2008). Catalytic Asymmetric Hydroperoxidation of α,β -Unsaturated Ketones: An Approach to Enantiopure Peroxyhemiketals, Epoxides, and Aldols. *Angewandte Chemie-International Edition*, 47, 8112-8115. [doi:10.1002/anie.200803238](https://doi.org/10.1002/anie.200803238).
- Reisinger, C. M., Wang, X., & List, B. (2008). Katalytische asymmetrische Hydroperoxidierung von α,β -ungesättigten Ketonen: Zugang zu enantiomerenreinen Peroxyhemiketalen, Epoxiden und Aldolprodukten. *Angewandte Chemie*, 120, 8232-8235. [doi:10.1002/ange.200803238](https://doi.org/10.1002/ange.200803238).
- Pan, S. C., & List, B. (2008). Catalytic three-component Ugi reaction. *Angewandte Chemie-International Edition*, 47, 3622-3625. [doi:10.1002/anie.200800494](https://doi.org/10.1002/anie.200800494).
- Adair, G., Mukherjee, S., & List, B. (2008). TRIP - A powerful Brønsted acid catalyst for asymmetric synthesis. *Aldrichimica Acta*, 41(2), 31-39.
- Chandler, C. L., & List, B. (2008). Catalytic, asymmetric transannular aldolizations: Total synthesis of (+)-hirsutene. *Journal of the American Chemical Society*, 130, 6737-6739. [doi:10.1021/ja8024164](https://doi.org/10.1021/ja8024164).

2007

- List, B. (2007). Introduction: Organocatalysis. *Chemical Reviews*, 107(12), 5413-5415. [doi:10.1021/cr078412e](https://doi.org/10.1021/cr078412e).
- List, B. (2007). Introduction: Organocatalysis. *Chemical Reviews*, 107(12), 5413-5415. [doi:10.1021/cr078412e](https://doi.org/10.1021/cr078412e).
- Mukherjee, S., & List, B. (2007). Organic chemistry - Radical catalysis. *Nature*, 447, 152-153. [doi:10.1038/447152a](https://doi.org/10.1038/447152a).
- Li, X., & List, B. (2007). Catalytic asymmetric hydrogenation of aldehydes. *Chemical Communications*, 2007(17), 1739-1741. [doi:10.1039/b703977h](https://doi.org/10.1039/b703977h).
- Pan, S. C., & List, B. (2007). Catalytic asymmetric three-component acyl-Strecker reaction. *Organic Letters*, 9(6), 1149-1151. [doi:10.1021/ol0702674](https://doi.org/10.1021/ol0702674).
- Pan, S. C., & List, B. (2007). Catalytic one-pot, three-component acyl-strecker reaction. *Synlett*, 2007(2), 318-320. [doi:10.1055/s-2007-968008](https://doi.org/10.1055/s-2007-968008).

- Yang, J.-W., Stadler, M., & List, B. (2007). Proline-catalyzed Mannich reaction of aldehydes with N-Boc-imines. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 46(4), 609-611. [doi:10.1002/anie.200603188](https://doi.org/10.1002/anie.200603188).
- Pan, S. C., Zhou, J., & List, B. (2007). Catalytic asymmetric acylcyanation of imines. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 46(4), 612-614. [doi:10.1002/anie.200603630](https://doi.org/10.1002/anie.200603630).
- Mukherjee, S., & List, B. (2007). Chiral counteranions in asymmetric transition-metal catalysis: Highly enantioselective Pd/Brønsted acid-catalyzed direct α -allylation of aldehydes. *Journal of the American Chemical Society*, 129, 11336-11337. [doi:10.1021/ja074678r](https://doi.org/10.1021/ja074678r).
- Mukherjee, S., Yang, J. W., Hoffmann, S., & List, B. (2007). Asymmetric enamine catalysis. *Chemical Reviews*, 107, 5471-5569. [doi:10.1021/cr0684016](https://doi.org/10.1021/cr0684016).
- Yang, J. W., Stadler, M., & List, B. (2007). Prolin-katalysierte Mannich-Reaktion von Aldehyden mit N-Boc-Iminen. *Angewandte Chemie*, 119, 615-617. [doi:10.1002/ange.200603188](https://doi.org/10.1002/ange.200603188).
- List, B. (2007). Biocatalysis and Organocatalysis: Asymmetric Synthesis Inspired by Nature. In M. Christmann, & S. Bräse (Eds.), *Asymmetric Synthesis - The Essentials* (pp. 161-165). Weinheim: Wiley-VCH.
- Yang, J. W., Stadler, M., & List, B. (2007). Practical proline-catalyzed asymmetric Mannich reaction of aldehydes with N-Boc-imines. *Nature Protocols*, 2, 1937-1942. [doi:10.1038/nprot.2007.272](https://doi.org/10.1038/nprot.2007.272).
- Zhou, J., & List, B. (2007). Organocatalytic asymmetric reaction cascade to substituted cyclohexylamines. *Journal of the American Chemical Society*, 129, 7498-7499. [doi:10.1021/ja072134j](https://doi.org/10.1021/ja072134j).
- Martin, N. J. A., Ozores, L., & List, B. (2007). Organocatalytic asymmetric transfer hydrogenation of nitroolefins. *Journal of the American Chemical Society*, 129, 8976-8977. [doi:10.1021/ja074045c](https://doi.org/10.1021/ja074045c).
- Pan, S. C., Zhou, J., & List, B. (2007). Katalytisch-asymmetrische Acylcyanierung von Iminen. *Angewandte Chemie*, 119, 618-620. [doi:10.1002/ange.200603630](https://doi.org/10.1002/ange.200603630).
- Zhou, J., & List, B. (2007). Synthesis of trans-3-substituted cyclohexylamines via brønsted acid catalyzed and substrate-mediated triple organocatalytic cascade reaction. *Synlett*, 2037-2040. [doi:10.1055/s-2007-984877](https://doi.org/10.1055/s-2007-984877).
- Pan, S. C., & List, B. (2007). New concepts for organocatalysis. M.T. Reetz, B. List, S. Jaroch and H. Weinmann (Eds.), *Springer Berlin Heidelberg*, 2, 1-43.

2006

- Pan, S. C., Zhou, J., & List, B. (2006). Catalytic acylcyanation of Imines with acetylcyanide. *Synlett*, 2006(19), 3275-3276. [doi:10.1055/s-2006-951543](https://doi.org/10.1055/s-2006-951543).
- Hoffmann, S., Nicoletti, M., & List, B. (2006). Catalytic asymmetric reductive amination of aldehydes via dynamic kinetic resolution. *Journal of the American Chemical Society*, 128(40), 13074-13075. [doi:10.1021/ja065404r](https://doi.org/10.1021/ja065404r).
- List, B., & Yang, J.-W. (2006). The organic approach to asymmetric catalysis. *Science Magazine*, 313(5793), 1584-1586. [doi:10.1126/science.1131945](https://doi.org/10.1126/science.1131945).
- Mayer, S., & List, B. (2006). Asymmetric counteranion-directed catalysis. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 45(25), 4193-4195. [doi:10.1002/anie.200600512](https://doi.org/10.1002/anie.200600512).

Seayad, J., Seayad, A. M., & List, B. (2006). Catalytic asymmetric Pictet-Spengler reaction. *Journal of the American Chemical Society*, 128(4), 1086-1087. [doi:10.1021/ja057444l](https://doi.org/10.1021/ja057444l).

List, B. (2006). The ying and yang of asymmetric aminocatalysis. *Chemical Communications*, 2006(8), 819-824. [doi:10.1039/b514296m](https://doi.org/10.1039/b514296m).

List, B. (2006). The ying and yang of asymmetric aminocatalysis. *Chemical Communications*, 8, 819-824. [doi:10.1039/B514296M](https://doi.org/10.1039/B514296M).

List, B., Doehring, A., Hechavarria Fonseca, M. T., Job, A., & Rios Torres, R. (2006). A Practical, efficient, and atom economic alternative to the Wittig and Horner-Wadsworth-Emmons reactions for the synthesis of (E)- α,β -unsaturated esters from aldehydes. *Tetrahedron*, 62(2-3), 476-482. [doi:10.1016/j.tet.2005.09.081](https://doi.org/10.1016/j.tet.2005.09.081).

Fu, A., List, B., & Thiel, W. (2006). Density functional study of enantioselectivity in the 2-methylproline-catalyzed α -alkylation of aldehydes. *The Journal of Organic Chemistry*, 71(1), 320-326. [doi:10.1021/jo052088a](https://doi.org/10.1021/jo052088a).

Kampen, D., & List, B. (2006). Efficient Brønsted acid catalyzed Hosomi-Sakurai reaction of acetals. *Synlett*, (16), 2589-2592. [doi:10.1055/s-2006-950444](https://doi.org/10.1055/s-2006-950444).

Martin, N. J. A., & List, B. (2006). Highly enantioselective transfer hydrogenation of α,β -unsaturated ketones. *Journal of the American Chemical Society*, 128, 13368-13369. [doi:10.1021/ja065708d](https://doi.org/10.1021/ja065708d).

Yang, J. W., & List, B. (2006). Catalytic asymmetric transfer hydrogenation of α -ketoesters with Hantzsch esters. *Organic Letters*, 8, 5653-5655. [doi:10.1021/ol0624373](https://doi.org/10.1021/ol0624373).

Mayer, S., & List, B. (2006). Asymmetrische Gegenanion-vermittelte Katalyse. *Angewandte Chemie*, 118, 4299-4301. [doi:10.1002/ange.200600512](https://doi.org/10.1002/ange.200600512).

2005

Hoffmann, S., Seayad, A. M., & List, B. (2005). A powerful brønsted acid catalyst for the organocatalytic asymmetric transfer hydrogenation of imines. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 44(45), 7424-7427. [doi:10.1002/anie.200503062](https://doi.org/10.1002/anie.200503062).

Yang, J.-W., Hechavarria Fonseca, M. T., & List, B. (2005). Catalytic asymmetric reductive Michael cyclization. *Journal of the American Chemical Society*, 127(43), 15036-15037. [doi:10.1021/ja055735o](https://doi.org/10.1021/ja055735o).

Seayad, J., & List, B. (2005). Chapter 9. Catalytic Asymmetric Multi-Component Reactions. In J. Zhu, & H. Bienayme (Eds.), *Multicomponent Reactions*. Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA. [doi:10.1002/3527605118.ch9](https://doi.org/10.1002/3527605118.ch9).

Seayad, J., & List, B. (2005). Asymmetric organocatalysis. *Organic and Biomolecular Chemistry*, 2005(3), 719-724. [doi:10.1039/b415217b](https://doi.org/10.1039/b415217b).

Yang, J. W., Hechavarria Fonseca, M. T., Vignola, N., & List, B. (2005). Metal-free, organocatalytic asymmetric transfer hydrogenation of α,β -unsaturated aldehydes. *Angewandte Chemie-International Edition*, 44(1), 108-110. [doi:10.1002/anie.200462432](https://doi.org/10.1002/anie.200462432).

Yang, Y. W., Hechavarria Fonseca, M. T., Vignola, N., & List, B. (2005). Metal-free, organocatalytic asymmetric transfer hydrogenation of α,β -unsaturated aldehydes. *Angewandte Chemie*, 117, 110-112. [doi:10.1002/ange.200462432](https://doi.org/10.1002/ange.200462432).

List, B., Döhring, A., Hechavarria Fonseca, M. T., Wobser, K., van Thienen, H., Rios Torres, R., & Llamas Galilea, P. (2005). Practical synthesis of (E)- α,β -unsaturated esters from aldehydes. *Advanced Synthesis & Catalysis*, 347(11-13), 1558-1560. [doi:10.1002/adsc.200505196](https://doi.org/10.1002/adsc.200505196).

2004

List, B. (2004). Amine-catalyzed Aldol Reactions. In R. Mahrwald (Ed.), *Modern Aldol Reactions*, Vol. 1: Enolates, Organocatalysis, Biocatalysis and Natural Product Synthesis (pp. 161-200). Weinheim: WILEY-VCH Verlag. [doi:10.1002/9783527619566.ch4](https://doi.org/10.1002/9783527619566.ch4).

Yang, J.-W., Hechavarria Fonseca, M. T., & List, B. (2004). A metal-free transfer hydrogenation: Organocatalytic conjugate reduction of α,β -unsaturated aldehydes. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 43(48), 6660-6662. [doi:10.1002/anie.200461816](https://doi.org/10.1002/anie.200461816).

List, B. (2004). Organocatalysis: A complementary catalysis strategy advances organic synthesis. *Advanced Synthesis and Catalysis*, 346(9-10), 1021-1021. [doi:10.1002/adsc.200404163](https://doi.org/10.1002/adsc.200404163).

Houk, K. N., & List, B. (2004). Asymmetric Organocatalysis. *Accounts of Chemical Research*, 37(8), 487-487. [doi:10.1021/ar040216w](https://doi.org/10.1021/ar040216w).

List, B. (2004). Enamine Catalysis is a Powerful Strategy for the Catalytic Generation and Use of Carbanion Equivalents. *Accounts of Chemical Research*, 37(8), 548-557. [doi:10.1021/ar0300571](https://doi.org/10.1021/ar0300571).

Hechavarria Fonseca, M. T., & List, B. (2004). Catalytic asymmetric intramolecular Michael reaction of aldehydes. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 43(30), 3958-3960. [doi:10.1002/anie.200460578](https://doi.org/10.1002/anie.200460578).

Hechavarria Fonseca, M. T., & List, B. (2004). Combinatorial chemistry and high-throughput screening for the discovery of organocatalysts. *Current Opinion in Chemical Biology*, 8(3), 319-326. [doi:10.1016/j.cbpa.2004.04.013](https://doi.org/10.1016/j.cbpa.2004.04.013).

List, B., Hoang, L., & Martin, H. J. (2004). New mechanistic studies on the proline-catalyzed aldol reaction. *Proceedings of the National Academy of Sciences of the United States of America*, 101(16), 5839-5842. [doi:10.1073/pnas.030797910](https://doi.org/10.1073/pnas.030797910).

Vignola, N., & List, B. (2004). Catalytic asymmetric intramolecular α -alkylation of aldehydes. *Journal of the American Chemical Society*, 126(2), 450-451. [doi:10.1021/ja0392566](https://doi.org/10.1021/ja0392566).

List, B. (2004). Organokatalyse: Eine neue und breit anwendbare Synthesemethode. In Max-Planck-Gesellschaft: *Jahrbuch 2004* (pp. 353-356). Göttingen: Vandenhoeck & Ruprecht.

Hechavarria Fonseca, M. T., & List, B. (2004). Catalytic asymmetric intramolecular Michael reaction of aldehydes. *Angewandte Chemie*, 116, 4048-4050. [doi:10.1002/ange.200460578](https://doi.org/10.1002/ange.200460578).

Yang, J. W., Hechavarria Fonseca, M. T., Vignola, N., & List, B. (2004). Eine metallfreie Transferhydrierung: organokatalytische konjugierte Reduktion von α,β -ungesättigten Aldehyden. *Angewandte Chemie*, 116, 6829-6832. [doi:10.1002/ange.200461816](https://doi.org/10.1002/ange.200461816).

List, B. (2004). Amine-Catalyzed Aldol Reactions. In R. Mahrwald (Ed.), *Modern Aldol Reactions* (pp. 161-200). Weinheim: Wiley-VCH.

2003

Pojarliev, P., Biller, W., Martin, H., & List, B. (2003). Highly enantioselective synthesis of 1,2-amino alcohol derivatives via proline-catalyzed Mannich reaction. *Synlett*, 12, 1903-1905. [doi:10.1055/s-2003-41491](https://doi.org/10.1055/s-2003-41491).

Martin, H. J., & List, B. (2003). Mining sequence space for asymmetric aminocatalysis: N-terminal prolyl-peptides efficiently catalyze enantioselective aldol and Michael reactions. *Synlett*, 2003(12), 1901-1902. [doi:10.1055/s-2003-41490](https://doi.org/10.1055/s-2003-41490).

Pidathala, C., Hoang, L., Vignola, N., & List, B. (2003). Direct catalytic asymmetric enoexo aldolizations. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 42(24), 2785-2788. [doi:10.1002/anie.200351266](https://doi.org/10.1002/anie.200351266).

Bahmanyar, S., Houk, K. N., Martin, H. J., & List, B. (2003). Quantum mechanical predictions of the stereoselectivities of proline-catalyzed asymmetric intermolecular aldol reactions. *Journal of the American Chemical Society*, 125(9), 2475-2479. [doi:10.1021/ja028812d](https://doi.org/10.1021/ja028812d).

Hoang, L., Bahmanyar, S., Houk, H. N., & List, B. (2003). Kinetic and stereochemical evidence for the involvement of only one proline molecule in the transition states of proline-catalyzed intra- and intermolecular aldol reactions. *Journal of the American Chemical Society*, 125(1), 16-17. [doi:10.1021/ja028634o](https://doi.org/10.1021/ja028634o).

2002

List, B. (2002). Proline-catalyzed asymmetric reactions. *Tetrahedron*, 58(28), 5573-5590. [doi:10.1016/S0040-4020\(02\)00516-1](https://doi.org/10.1016/S0040-4020(02)00516-1).

List, B. (2002). Direct catalytic asymmetric alpha-amination of aldehydes. *Journal of the American Chemical Society*, 124(20), 5656-5657. [doi:10.1021/ja0261325](https://doi.org/10.1021/ja0261325).

List, B., Pojarliev, P., Biller, W. T., & Martin, H. J. (2002). The proline-catalyzed direct asymmetric three-component Mannich reaction: Scope, optimization, and application to the highly enantioselective synthesis of 1,2-amino alcohols. *Journal of the American Chemical Society*, 124(5), 827-833. [doi:10.1021/ja0174231](https://doi.org/10.1021/ja0174231).

2001

Subauste, M. C., List, B., Guan, X., Hahn, K. M., Lerner, R. A., & Gilula, N. B. (2001). A catalytic antibody produces fluorescent tracers of gap junction communication in living cells. *The Journal of Biological Chemistry*, 276(52), 49164-49168. [doi:10.1074/jbc.M105700200](https://doi.org/10.1074/jbc.M105700200).

Worrall, D. S., McDunn, J. E., List, B., Reichart, D., Hevener, A., Gustafson, T., Barbas, C. F., Lerner, R. A., & Olefsky, J. M. (2001). Synthesis of an organoinsulin molecule that can be activated by antibody catalysis. *Proceedings of the National Academy of Sciences of the United States of America*, 98(24), 13514-13518. [doi:10.1073/pnas.241516698](https://doi.org/10.1073/pnas.241516698).

List, B. (2001). Asymmetric Aminocatalysis. *Synlett*, 2001(11), 1675-1686. [doi:10.1055/s-2001-18074](https://doi.org/10.1055/s-2001-18074).

List, B., & Castello, C. (2001). A novel proline-catalyzed three-component reaction of ketones, aldehydes, and Meldrum's acid. *Synlett*, 2001(11), 1687-1689. [doi:10.1055/s-2001-18095](https://doi.org/10.1055/s-2001-18095).

List, B., Pojarliev, P., & Martin, H. J. (2001). Efficient proline-catalyzed Michael additions of unmodified ketones to nitro olefins. *Organic Letters*, 3(16), 2423-2425. [doi:10.1021/ol015799d](https://doi.org/10.1021/ol015799d).

List, B., Pojarliev, P., & Castello, C. (2001). Proline-catalyzed asymmetric aldol reactions between ketones and alpha-unsubstituted aldehydes. *Organic Letters*, 3(4), 573-575. [doi:10.1021/ol006976y](https://doi.org/10.1021/ol006976y).

Barbas, C., Rader, C., Segal, D., List, B., & Turner, J. (2001). From catalytic asymmetric synthesis to the transcriptional regulation of genes: In vivo and in vitro evolution of proteins. *Academic Press Inc*, 55, 317-366.

List, B., Barbas, C. F., Rader, C., Segal, D. J., & Turner, J. M. (2001). From catalytic asymmetric synthesis to the transcriptional regulation of genes: In vivo and in vitro evolution of proteins. *Advances in Protein Chemistry*, (55), 317-5233.

2000

List, B. (2000). The direct catalytic asymmetric three-component Mannich reaction. *Journal of the American Chemical Society*, 122(38), 9336-9337. [doi:10.1021/ja001923x](https://doi.org/10.1021/ja001923x).

List, B. (2000). The Direct Catalytic Asymmetric Three-Component Mannich Reaction. *Journal of the American Chemical Society*, 38(122), 9336-9337. doi: 10.1021/ja001923x.

Turner, J. M., Bui, T., Lerner, R. A., Barbas, C. F., & List, B. (2000). An Efficient Benchtop System for Multigram-Scale Kinetic Resolutions Using Aldolase Antibodies. *Chemistry-a European Journal*, 6(15), 2772-2774. [doi:10.1002/1521-3765\(20000804\)6:15<2772:AID-CHEM2772>3.0.CO;2-J](https://doi.org/10.1002/1521-3765(20000804)6:15<2772:AID-CHEM2772>3.0.CO;2-J).

List, B., & Notz, W. (2000). Catalytic Asymmetric Synthesis of anti-1,2-Diols. *Journal of the American Chemical Society*, 122(30), 7386-7387. [doi:10.1021/ja001460v](https://doi.org/10.1021/ja001460v).

Rader, C., & List, B. (2000). Catalytic antibodies as magic bullets. *Chemistry-a European Journal*, 6(12), 2091-2095. [doi:10.1002/1521-3765\(20000616\)6:12<2091:AID-CHEM2091>3.0.CO;2-S](https://doi.org/10.1002/1521-3765(20000616)6:12<2091:AID-CHEM2091>3.0.CO;2-S).

Karlstrom, A., Zhong, G., Rader, C., Larsen, N. A., Heine, A., Fuller, R., List, B., Tanaka, F., Wilson, I. A., Barbas, C. F., & Lerner, R. A. (2000). Using Antibody Catalysis to Study the Outcome of Multiple Evolutionary Trials of a Chemical Task. *Proceedings of the National Academy of Sciences of the United States of America*, 97(8), 3878-3883. [doi:10.1073/pnas.97.8.3878](https://doi.org/10.1073/pnas.97.8.3878).

List, B., Lerner, R. A., & Barbas, C. F. (2000). Proline-catalyzed direct asymmetric aldol reactions. *Journal of the American Chemical Society*, 122(10), 2395-2396. [doi:10.1021/ja994280y](https://doi.org/10.1021/ja994280y).

1999

List, B., Shabat, D., Zhong, G., Turner, J. M., Li, A., Bui, T., Anderson, J., Lerner, R. A., & Barbas, C. F. (1999). A catalytic enantioselective route to hydroxy-substituted quaternary carbon centers: Resolution of tertiary aldols with a catalytic antibody. *Journal of the American Chemical Society*, 121(32), 7283-7291. [doi:10.1021/ja991507g](https://doi.org/10.1021/ja991507g).

List, B., Lerner, R. A., & Barbas, C. F. (1999). Enantioselective aldol cyclodehydrations catalyzed by antibody 38C2. *Organic Letters*, 1(2), 353-354. [doi:10.1021/ol990129h](https://doi.org/10.1021/ol990129h).

Shabat, D., Rader, C., List, B., Lerner, R. A., & Barbas, C. F. (1999). Multiple event activation of a generic prodrug trigger by antibody catalysis. *Proceedings of the National Academy of Sciences of the United States of America*, 96(12), 6925-6930. [doi:10.1073/pnas.96.12.6925](https://doi.org/10.1073/pnas.96.12.6925).

Shabat, D., List, B., Lerner, R. A., & Barbas, C. F. (1999). A short enantioselective synthesis of 1-deoxy-L-xylulose by antibody catalysis. *Tetrahedron Letters*, 40(8), 1437-1440. [doi:10.1016/S0040-4039\(98\)02699-9](https://doi.org/10.1016/S0040-4039(98)02699-9).

1998

List, B., Barbas, C., & Lerner, R. (1998). Aldol Sensors for the Rapid Generation of Tunable Fluorescence by Antibody Catalysis. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 95(26), 15351-15355. [doi:10.1073/pnas.95.26.15351](https://doi.org/10.1073/pnas.95.26.15351).

Zhong, G., Shabat, D., List, B., Anderson, J., Sinha, S. C., Lerner, R. A., & Barbas, C. F. (1998). Catalytic enantioselective retro-aldol reactions: Kinetic resolution of beta-hydroxyketones with aldolase antibodies. *Angewandte Chemie International Edition: a journal of the Gesellschaft Deutscher Chemiker*, 37(18), 2481-2484. [doi:10.1002/\(SICI\)1521-3773\(19981002\)37:18<2481:AID-ANIE2481>3.0.CO;2-T](https://doi.org/10.1002/(SICI)1521-3773(19981002)37:18<2481:AID-ANIE2481>3.0.CO;2-T).

List, B., Shabat, D., Barbas, C. F., & Lerner, R. A. (1998). Enantioselective total synthesis of some brevicomins using aldolase antibody 38C2. *Chemistry-a European Journal*, 4(5), 881-885. [doi:10.1002/\(SICI\)1521-3765\(19980515\)4:5<881:AID-CHEM881>3.0.CO;2-#](https://doi.org/10.1002/(SICI)1521-3765(19980515)4:5<881:AID-CHEM881>3.0.CO;2-#).

List, B., & Barbas, C. F. (1998). Alchemy, enzymes, and the blind-watchmaker. *Nature biotechnology*, 16(5), 423-424. [doi:10.1038/nbt0598-423](https://doi.org/10.1038/nbt0598-423).

Hoffmann, T., Zhong, G., List, B., Shabat, D., Anderson, J., Gramatikova, S., Lerner, R. A., & Barbas, C. F. (1998). Aldolase Antibodies of Remarkable Scope. *Journal of the American Chemical Society*, 120(12), 2768-2779. [doi:10.1021/ja973676b](https://doi.org/10.1021/ja973676b).

1997

Mulzer, J., Bats, J. W., List, B., Opatz, T., & Trauner, D. (1997). The Phenanthrenone Approach to Opium Alkaloids: Formal Total Synthesis of Morphine by Sigmatropic Rearrangement. *Synlett*, 5(SI), 441-444. [doi:10.1055/s-1997-6135](https://doi.org/10.1055/s-1997-6135).

Barbas, C. F., Heine, A., Zhong, G., Hoffmann, T., Gramatikova, S., Björnstedt, R., List, B., Anderson, J., Stura, E. A., Wilson, I. A., & Lerner, R. A. (1997). Immune versus natural selection: Antibody aldolases with enzymic rates but broader scope. *Science Magazine*, 278(5346), 2085-2092. [doi:10.1126/science.278.5346.2085](https://doi.org/10.1126/science.278.5346.2085).

Mulzer, J., List, B., & Bats, J. W. (1997). Stereocontrolled synthesis of a nonracemic vitamin B-12 A-B-semicorrin. *Journal of the American Chemical Society*, 119(24), 5512-5518. [doi:10.1021/ja9700515](https://doi.org/10.1021/ja9700515).

1996

Mulzer, J., Martin, H. J., & List, B. (1996). Three Component, One-Pot Synthesis of α,β -Unsaturated Ketones. *Tetrahedron Letters*, 37(51), 9177-9178. [doi:10.1016/S0040-4039\(96\)02155-7](https://doi.org/10.1016/S0040-4039(96)02155-7).

Mulzer, J., & List, B. (1996). [2,3]-Wittig rearrangements of (trimethylsilyl)methyl allyl ethers. *Tetrahedron Letters*, 37(14), 2403-2404. [doi:10.1016/0040-4039\(96\)00321-8](https://doi.org/10.1016/0040-4039(96)00321-8).

1994

Mulzer, J., & List, B. (1994). Highly Stereoselective Synthesis of Tetrasubstituted Alkenes via [2,3]-Wittig Rearrangement. *Tetrahedron Letters*, 35(48), 9021-9024. [doi:10.1016/0040-4039\(94\)88416-1](https://doi.org/10.1016/0040-4039(94)88416-1).