

## 2017

---

Marzun, G., Bönnemann, H., Lehmann, C. W., Spliethoff, B., Weidenthaler, C., & Barcikowski, S. (2017). Role of Dissolved and Molecular Oxygen on Cu and PtCu Alloy Particle Structure during Laser Ablation Synthesis in Liquids. *ChemPhysChem*, 18(9), 1175-1184. [doi:10.1002/cphc.201601315](https://doi.org/10.1002/cphc.201601315).

Wang, A., Wang, R., Kalf, I., Dreier, A., Lehmann, C. W., & Englert, U. (2017). Charge-Assisted Halogen Bonds in Halogen-Substituted Pyridinium Salts: Experimental Electron Density. *Crystal Growth & Design*, 17(5), 2357-2364. [doi:10.1021/acs.cgd.6b01562](https://doi.org/10.1021/acs.cgd.6b01562).

Gonzalez-Fernandez, E., Nicholls, L. D. M., Schaaf, L. D., Farès, C., Lehmann, C. W., & Alcarazo, M. (2017). Enantioselective Synthesis of [6]Carbohelicenes. *Journal of the American Chemical Society*, 139(4), 1428-1431. [doi:10.1021/jacs.6b12443](https://doi.org/10.1021/jacs.6b12443).

Dörner, M., Rautiainen, J. M., Rust, J., Lehmann, C. W., & Mohr, F. (2017). Acylchalcogenourea Complexes of Silver(I). *European Journal of Inorganic Chemistry*, 2017(4), 789-797. [doi:10.1002/ejic.201601074](https://doi.org/10.1002/ejic.201601074).

Meyer, N., Schucht, H., Lehmann, C. W., Weibert, B., Winter, R. F., & Mohr, F. (2017). Multimetallic Gold-Iron Compounds Based on Aurated Ferrocenes. *European Journal of Inorganic Chemistry*, 2017(2), 521-526. [doi:10.1002/ejic.201601458](https://doi.org/10.1002/ejic.201601458).

## 2016

---

Molter, A., Rust, J., Lehmann, C. W., & Mohr, F. (2016). A cyclopalladated phosphine selenide with an anionic acylselenourea ligand. *Inorganic Chemistry Communications*, 73(11), 69-71. [doi:10.1016/j.inoche.2016.09.016](https://doi.org/10.1016/j.inoche.2016.09.016).

Seidel, R. W., Goddard, R., Nöthling, N., & Lehmann, C. W. (2016). Acetic anhydride at 100 K: the first crystal structure determination. *Acta Crystallographica, Section C: Structural Chemistry*, 72(10), 753-757. [doi:10.1107/S2053229616015047](https://doi.org/10.1107/S2053229616015047).

## 2015

---

Blümel, M., Chauhan, P., Vermeeren, C., Dreier, A., Lehmann, C. W., & Enders, D. (2015). Asymmetric Organocatalytic Synthesis of Highly Functionalized Spirocyclohexane Indandiones via a One-Pot Michael/Michael/Aldol Sequence. *Synthesis*, 47(22), 3618-3628. [doi:10.1055/s-0035-1560072](https://doi.org/10.1055/s-0035-1560072).

Großmann, D., Dreier, A., Lehmann, C. W., & Grünert, W. (2015). Methanol synthesis over Cu-ZnO aggregates supported on carbon nanotubes. *Applied Catalysis A*, 504, 351-360. [doi:10.1016/j.apcata.2015.02.031](https://doi.org/10.1016/j.apcata.2015.02.031).

Samanta, S. K., Preis, E., Lehmann, C. W., Goddard, R., Bag, S., Maiti, P. K., Brunklaus, G., & Scherf, U. (2015). One-step synthesis of a cyclic 2,17-dioxo[3,3](4,4') biphenylophane and first preparation of a microporous polymer network from a macrocyclic precursor by cyclotrimerization. *Chemical Communications*, 51(43), 9046-9049. [doi:10.1039/C5CC01654A](https://doi.org/10.1039/C5CC01654A).

Breuers, V., Lehmann, C. W., & Frank, W. (2015). Unusual Bonding and Properties in Main Group Element Chemistry: Rational Synthesis, Characterization, and Experimental Electron Density Determination of Mixed-Valent Tetraphosphetes. *Chemistry - A European Journal*, 21(12), 4596-4606. [doi:10.1002/chem.201406131](https://doi.org/10.1002/chem.201406131).

Großmann, D., Dreier, A., Lehmann, C. W., & Grünert, W. (2015). Encapsulation of copper and zinc oxide nanoparticles inside small diameter carbon nanotubes. *Microporous and Mesoporous Materials*, 202, 189-197.

[doi:10.1016/j.micromeso.2014.09.057](https://doi.org/10.1016/j.micromeso.2014.09.057).

## 2014

---

Jungbauer, S. H., Bulfield, D., Kniep, F., Lehmann, C. W., Herdtweck, E., & Huber, S. M. (2014). Toward Molecular Recognition: Three-Point Halogen Bonding in the Solid State and in Solution. *Journal of the American Chemical Society*, 136(48), 16740-16743. [doi:10.1021/ja509705f](https://doi.org/10.1021/ja509705f).

Loh, C. C. J., Chauhan, P., Hack, D., Lehmann, C. W., & Enders, D. (2014). Rapid Asymmetric Synthesis of Highly Functionalized Indanols via a Michael/Henry Organocascade with Submol% Squaramide Catalyst Loadings. *Advanced Synthesis & Catalysis*, 356(14-15), 3181-3186. [doi:10.1002/adsc.201400499](https://doi.org/10.1002/adsc.201400499).

David, B., Monkowius, U., Rust, J., Lehmann, C. W., Hyzak, L., & Mohr, F. (2014). Gold(III) compounds containing a chelating, dicarbanionic ligand derived from 4,4'-di-tert-butylbiphenyl. *Dalton Transactions*, 43(28), 11059-11066. [doi:10.1039/C4DT00778F](https://doi.org/10.1039/C4DT00778F).

Patzsch, J., Balog, I., Krauß, P., Lehmann, C. W., & Schneider, J. J. (2014). Synthesis, characterization and p-n type gas sensing behaviour of CuFeO<sub>2</sub> delafossite type inorganic wires using Fe and Cu complexes as single source molecular precursors. *RSC Advances*, 4(30), 15348-15355. [doi:10.1039/c3ra47514j](https://doi.org/10.1039/c3ra47514j).

## 2013

---

Li, F., Bravo-Rodriguez, K., Fernandez-Oliva, M., Ramirez-Angueta, J. M., Merz, K., Winter, M., Lehmann, C. W., Sander, W., & Sanchez-Garcia, E. (2013). Stereochemistry Rules: A Single Stereocenter Changes the Conformation of a Cyclic Tetrapeptide. *The Journal of Physical Chemistry B*, 117(37), 10785-10791. [doi:10.1021/jp406497r](https://doi.org/10.1021/jp406497r).

Wang, R., Dols, T. S., Lehmann, C. W., & Englert, U. (2013). Charge Density of Intra- and Intermolecular Halogen Contacts. *Zeitschrift für anorganische und allgemeine Chemie*, 639(11), 1933-1939. [doi:10.1002/zaac.201200493](https://doi.org/10.1002/zaac.201200493).

Sternberg, M., Rust, J., Lehmann, C. W., & Mohr, F. (2013). Synthesis and Metal Complexes of Thiourea Ligands Containing Carbohydrate-Derived Substituents. *Helvetica Chimica Acta*, 96(2), 280-288. [doi:10.1002/hlca.201200386](https://doi.org/10.1002/hlca.201200386).

Grünert, W., Gies, H., Muhler, M., Polarz, S., Lehmann, C. W., Grossmann, D., van den Berg, M., Tkachenko, O. P., De Toni, A., Sinev, I., Bandyopadhyay, M., Narkhede, V., Dreier, A., Klementiev, K. V., Birkner, A., & Löffler, E. (2013). Metal-supported catalysts encapsulated in mesoporous solids: Challenges and opportunities of a model concept. *Physica Status Solidi B: Basic Solid State Physics*, 250(6), 1081-1093. [doi:10.1002/pssb.201248454](https://doi.org/10.1002/pssb.201248454).

Kozma, Á., Petušková, J., Lehmann, C. W., & Alcarazo, M. (2013). Synthesis, structure and reactivity of cyclopropenyl-1-ylidene stabilized S(II), Se(II) and Te(II) mono- and dications. *Chemical Communications*, 49, 4145-4147. [doi:10.1039/C2CC36225B](https://doi.org/10.1039/C2CC36225B).

## 2012

---

Tüysüz, H., Salabaş, E.-L., Bill, E., Bongard, H.-J., Spliethoff, B., Lehmann, C. W., & Schüth, F. (2012). Synthesis of Hard Magnetic Ordered Mesoporous Co<sub>3</sub>O<sub>4</sub>/CoFe<sub>2</sub>O<sub>4</sub> Nanocomposites. *Chemistry of Materials*, 24(13), 2493-2500. [doi:10.1021/cm3005166](https://doi.org/10.1021/cm3005166).

Mohr, F., Niesel, J., Schatzschneider, U., & Lehmann, C. W. (2012). Synthesis, Structures, and CO Releasing Properties of two Tricarbonyl Manganese(I) Complexes. *Zeitschrift für anorganische und allgemeine Chemie*, 638(3-4), 543-456. [doi:10.1002/zaac.201100422](https://doi.org/10.1002/zaac.201100422).

Wang, R., Dols, T., Lehmann, C. W., & Englert, U. (2012). The halogen bond made visible: experimental charge density of a very short intermolecular Cl•••Cl donor-acceptor contact. *Chemical Communications*, 48(54), 6830-6832. [doi:10.1039/c2cc32647g](https://doi.org/10.1039/c2cc32647g).

Deiana, L., Zhao, G.-L., Leijonmarck, H., Sun, J., Lehmann, C. W., & Córdova, A. (2012). Direct Catalytic Asymmetric Synthesis of Pyrazolidine Derivatives. *ChemistryOpen*, 1(3), 134-139. [doi:10.1002/open.201200015](https://doi.org/10.1002/open.201200015).

Molter, A., Rust, J., Lehmann, C. W., & Mohr, F. (2012). Synthesis and structural studies of some gold(I) complexes containing selenoureato ligands. *Tetrahedron*, 68(51), 10586-10591. [doi:10.1016/j.tet.2012.09.023](https://doi.org/10.1016/j.tet.2012.09.023).

Macabeo, A. P. G., Lehmann, C. W., & Reiser, O. (2012). Diastereoselective Synthesis of Enantiopure  $\gamma$ -Butenolide-butyrolactones towards Pseudopterogorgia Lactone Furanocembranoid Substructures. *Synlett*, 23(20), 2909-2912. [doi:10.1055/s-0032-1317555](https://doi.org/10.1055/s-0032-1317555).

Bock, D. A., & Lehmann, C. W. (2012). Chirality Determination from X-ray powder data – Diastereomeric Co-crystals of Mandelic Acid and Proline Amide. *CrystEngComm*, 14(5), 1534-1537. [doi:10.1039/C2CE06427H](https://doi.org/10.1039/C2CE06427H).

## 2011

---

Molter, A., Rust, J., Lehmann, C. W., & Mohr, F. (2011). Synthesis and structural studies of some selenoureas and their metal complexes. *Arkivoc*, 10-17. Retrieved from <http://www.arkat-usa.org/get-file/37157/>.

Molter, A., Rust, J., Lehmann, C. W., Deepa, G., Chiba, P., & Mohr, F. (2011). Synthesis, structures and anti-malaria activity of some gold(I) phosphine complexes containing seleno- and thiosemicarbazonato ligands. *Dalton Transactions*, 40, 9810-9820. [doi:10.1039/C1DT10885A](https://doi.org/10.1039/C1DT10885A).

Petuskova, J., Patil, M., Holle, S., Lehmann, C., Thiel, W., & Alcarazo, M. (2011). Synthesis, Structure, and Reactivity of Carbene-Stabilized Phosphorus(III)-Centered Trications [L3P]3+. *Journal of the American Chemical Society*, 133, 20758-20760. [doi:10.1021/ja210223s](https://doi.org/10.1021/ja210223s).

## 2010

---

Ramos, L. A., Ulic, S. E., Romano, R. M., Erben, M. F., Lehmann, C. W., Bernhardt, E., Beckers, H., Willner, H., & Della Védova, C. O. (2010). Vibrational Spectra, Crystal Structures, Constitutional and Rotational Isomerism of FC(O)SCN and FC(O)NCS. *Inorganic Chemistry*, 49, 11142-11157. [doi:10.1021/ic101741e](https://doi.org/10.1021/ic101741e).

Seidel, G., Lehmann, C. W., & Fürstner, A. (2010). Elementary Steps in Gold Catalysis: The Significance of gem-Diauration. *Angewandte Chemie, International Edition*, 49(45), 8466-8470. [doi:10.1002/anie.201003349](https://doi.org/10.1002/anie.201003349).

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).

Werner, G., Lehmann, C. W., & Butenschön, H. (2010). The First Anionic Thia-Fries Rearrangements at Ferrocene: Ready Access to Trifluoromethylsulfonyl-Substituted Hydroxyferrocenes and an Extremely High Interannular Stereinduction between Cyclopentadienyl Ligands. *Advanced Synthesis & Catalysis*, 352, 1345-1355. [doi:10.1002/adsc.201000068](https://doi.org/10.1002/adsc.201000068).

Lu, A. H., Nitz, J. J., Comotti, M., Weidenthaler, C., Schlichte, K., Lehmann, C. W., Terasaki, O., & Schüth, F. (2010). Spatially and Size Selective Synthesis of Fe-Based Nanoparticles on Ordered Mesoporous Supports as Highly Active and Stable Catalysts for Ammonia Decomposition. *Journal of the American Chemical Society*, 132, 14152-14162. [doi:10.1021/ja105308e](https://doi.org/10.1021/ja105308e).

Zeng, X., Beckers, H., Willner, H., & Lehmann, C. W. (2010). Bis(methanesulfonyl) Peroxide,  $\text{CH}_3\text{S}(\text{O})_2\text{OOS}(\text{O})_2\text{CH}_3$ : Spectroscopic, Structural, and Thermal Properties. *Zeitschrift für Anorganische und Allgemeine Chemie*, 636(13), 2447-2453. [doi:10.1002/zaac.201000184](https://doi.org/10.1002/zaac.201000184).

Itani, H., Keil, P., Lützenkirchen-Hecht, D., Haake, U., Bongard, H., Dreier, A., Lehmann, C. W., & Grundmeier, G. (2010). XANES studies of the formation of Ag-nanoparticles in LbL deposited polyelectrolyte thin films. *Surface & Coatings Technology*, 205, 2113-2119. [doi:10.1016/j.surfcoat.2010.08.104](https://doi.org/10.1016/j.surfcoat.2010.08.104).

Pisiewicz, S., Rust, J., Lehmann, C. W., & Mohr, F. (2010). Cationic palladium(II), platinum(II) and ruthenium(II) complexes containing a chelating difluoro-substituted thiourea ligand. *Polyhedron*, 29, 1968-1972. [doi:10.1016/j.poly.2010.03.010](https://doi.org/10.1016/j.poly.2010.03.010).

## 2009

---

Alcarazo, M., Lehmann, C. W., Anoop, A., Thiel, W., & Füstner, A. (2009). Coordination chemistry at carbon. *Nature Chemistry*, 1(4), 295-301. [doi:10.1038/nchem.248](https://doi.org/10.1038/nchem.248).

Wang, R., Lehmann, C. W., & Englert, U. (2009). Weak interactions in chain polymers  $[\text{M}(\mu\text{-X})_2\text{L}_2]_\infty$  ( $\text{M}=\text{Zn}, \text{Cd}$ ;  $\text{X}=\text{Cl}, \text{Br}$ ;  $\text{L}$  = substituted pyridine) - an electron density study. *Acta Crystallographica B*, 65, 600-611. [doi:10.1107/S0108768109028626](https://doi.org/10.1107/S0108768109028626).

Fuge, F., Lehmann, C. W., Rust, J., & Mohr, F. (2009). Bridge cleavage reactions of cyclopalladated nitrosamines with thioamides and related compounds. *Journal of Organometallic Chemistry*, 694, 2395-2401. [doi:10.1016/j.jorganchem.2009.03.026](https://doi.org/10.1016/j.jorganchem.2009.03.026).

Meyer, N., Lehmann, C. W., Lee, T.-K.-M., Rust, J., Yam, V.-W.-W., & Mohr, F. (2009). Peri-Diaurated Naphthalene: Synthesis and Reactions of a New Class of Organogold(I) Complexes Containing Bridging, Dianionic Naphthalenediyl Ligands. *Organometallics*, 28, 2931-2934. [doi:10.1021/om9002335](https://doi.org/10.1021/om9002335).

## 2008

---

Füstner, A., Alcarazo, M., Radkowski, K., & Lehmann, C. W. (2008). Carbenes Stabilized by Ylides: Pushing the Limits. *Angewandte Chemie International Edition*, 47(43), 8302-8306. [doi:10.1002/anie.200803200](https://doi.org/10.1002/anie.200803200).

Füstner, A., Martin, R., Krause, H., Seidel, G., Goddard, R., & Lehmann, C. W. (2008). Preparation, Structure, and Reactivity of Nonstabilized Organoiron Compounds. Implications for Iron-Catalyzed Cross Coupling Reactions. *Journal of the American Chemical Society*, 130(27), 8773-8787. [doi:10.1021/ja801466t](https://doi.org/10.1021/ja801466t).

Füstner, A., Alcarazo, M., Goddard, R., & Lehmann, C. W. (2008). Coordination Chemistry of Ene-1,1-diamines and a Prototype "Carbodicarbene". *Angewandte Chemie International Edition*, 47(17), 3210-3214. [doi:10.1002/anie.200705798](https://doi.org/10.1002/anie.200705798).

Füstner, A., Majima, K., Martín, R., Krause, H., Kattinig, E., Goddard, R., & Lehmann, C. W. (2008). A Cheap Metal for a "Noble" Task: Preparative and Mechanistic Aspects of Cycloisomerization and Cycloaddition Reactions Catalyzed by Low-Valent Iron Complexes. *Journal of the American Chemical Society*, 130(6), 1992-2004. [doi:10.1021/ja0777180](https://doi.org/10.1021/ja0777180).

Tüysüz, H., Lehmann, C. W., Bongard, H., Tesche, B., Schmidt, R., & Schüth, F. (2008). Direct imaging of surface topology and pore system of ordered mesoporous silica (MCM-41, SBA-15, and KIT-6) and nanocast metal oxides by high resolution scanning electron microscopy. *Journal of the American Chemical Society*, 130, 11510-11517. [doi:10.1021/ja803362s](https://doi.org/10.1021/ja803362s).

Bejan, D., Willner, H., Ignatiev, N., & Lehmann, C. W. (2008). Synthesis and characterization of bis[bis(pentafluoroethyl)phosphinyl]imides,  $M^+N[(C_2F_5)_2 P(O)]_2^-$ ,  $M = H, Na, K, Cs, Ag, Me_4N$ . *Inorganic Chemistry*, 47, 9085-9089. [doi:10.1021/ic801088q](https://doi.org/10.1021/ic801088q).

## 2007

---

Fürstner, A., Schlecker, A., & Lehmann, C. W. (2007). Facile formation of iodocyclobutenes by a ruthenium-catalyzed enyne cycloisomerization. *Chemical Communications*, (41), 4277-4279. [doi:10.1039/B708903A](https://doi.org/10.1039/B708903A).

Fürstner, A., Alcarazo, M., Krause, H., & Lehmann, C. W. (2007). Effective Modulation of the Donor Properties of N-Heterocyclic Carbene Ligands by "Through-Space" Communication within a Planar Chiral Scaffold. *Journal of the American Chemical Society*, 129(42), 12676-12677. [doi:10.1021/ja076028t](https://doi.org/10.1021/ja076028t).

Fürstner, A., Radkowski, K., Peters, H., Seidel, G., Wirtz, C., Mynott, R., & Lehmann, C. W. (2007). Total Synthesis, Molecular Editing and Evaluation of a Tripyrrolic Natural Product: The Case of "Butylcycloheptylprodigiosin". *Chemistry - A European Journal*, 13(7), 1929-1945. [doi:10.1002/chem.200601639](https://doi.org/10.1002/chem.200601639).

Geier, J., Willner, H., Lehmann, C. W., & Aubke, F. (2007). Formation of hexacarbonylmanganese(I) salts,  $[Mn(CO)_6]^+X^-$ , in anhydrous HF. *Inorganic Chemistry*, 46, 7210-7214. [doi:10.1021/ic700798z](https://doi.org/10.1021/ic700798z).

Lehmann, C. W., & Stowasser, F. (2007). The crystal structure of anhydrous  $\beta$ -caffeine as determined from X-ray powder-diffraction data. *Chemistry-A European Journal*, 13, 2908-2911. [doi:10.1002/chem.200600973](https://doi.org/10.1002/chem.200600973).

Küppers, T., Bernhardt, E., Eujen, R., Willner, H., & Lehmann, C. W. (2007).  $[Me_3Si][R-CB_{11}F_{11}]^-$  - Synthesis and Properties. *Angewandte Chemie-International Edition*, 46, 6346-6349. [doi:10.1002/anie.200701136](https://doi.org/10.1002/anie.200701136).

Küppers, T., Bernhardt, E., Lehmann, C. W., & Willner, H. (2007). The tetracyanoboronic acids  $H[B(CN)_4] \cdot n H_2O$ ,  $n=0,1,2$ . *Zeitschrift für Anorganische und Allgemeine Chemie*, 633, 1666-1672. [doi:10.1002/zaac.200700097](https://doi.org/10.1002/zaac.200700097).

Bernini, M. C., Brusau, E. V., Narda, G. E., Echeverria, G. E., Pozzi, C. G., Punte, G., & Lehmann, C. W. (2007). The effect of hydrothermal and non-hydrothermal synthesis on the formation of holmium(III) succinate hydrate frameworks. *European Journal of Inorganic Chemistry*, 684-693. [doi:10.1002/ejic.200600860](https://doi.org/10.1002/ejic.200600860).

Lian, B., Thomas, C. M., Casagrande, O. L., Lehmann, C. W., Roisnel, T., & Carpentier, J. F. (2007). Aluminum and zinc complexes based on an amino-bis(pyrazolyl) ligand: Synthesis, structures, and use in MMA and lactide polymerization. *Inorganic Chemistry*, 46, 328-340. [doi:10.1021/ic061749z](https://doi.org/10.1021/ic061749z).

Rodrigues, A.-S., Kirillov, E., Lehmann, C. W., Roisnel, T., Vuillemin, B., Razavi, A., & Carpentier, J.-F. (2007). Allyl ansa-lanthanidocenes: Single-component, single-site catalysts for controlled syndiospecific styrene and styrene-ethylene (Co) polymerization. *Chemistry-A European Journal*, 13, 5548-5565. [doi:10.1002/chem.200601708](https://doi.org/10.1002/chem.200601708).

Fürstner, A., De Souza, D., Turet, L., Fenster, M. D. B., Parra-Rapado, L., Wirtz, C., Mynott, R., & Lehmann, C. W. (2007). Total Syntheses of the Actin-Binding Macrolides Latrunculin A, B, C, M, S and 16-epi-Latrunculin B. *Chemistry - A European Journal*, 13(1), 115-134. [doi:10.1002/chem.200601135](https://doi.org/10.1002/chem.200601135).

## 2006

---

Fürstner, A., Alcarazo, M., César, V., & Lehmann, C. W. (2006). Convenient, scalable and flexible method for the preparation of imidazolium salts with previously inaccessible substitution patterns. *Chemical Communications*, (20), 2176-2178. [doi:10.1039/B604236H](https://doi.org/10.1039/B604236H).

Fürstner, A., Krause, H., & Lehmann, C. W. (2006). Unusual Structure and Reactivity of a Homoleptic "Super-Ate" Complex of Iron: Implications for Grignard Additions, Cross-Coupling Reactions, and the Kharasch Deconjugation. *Angewandte Chemie International Edition*, 45(3), 440-444. [doi:10.1002/anie.200502859](https://doi.org/10.1002/anie.200502859).

Bernhardt, E., Finze, M., Willner, H., Lehmann, C. W., & Aubke, F. (2006). Salts of the Cobalt(I) Complexes  $[\text{Co}(\text{CO})_5]^+$  and  $[\text{Co}(\text{CO})_2(\text{NO})_2]^+$  and the Lewis Acid-Base Adduct  $[\text{Co}_2(\text{CO})_7\text{CO}-\text{B}(\text{CF}_3)_3]$ . *Chemistry-A European Journal*, 12, 8276-8283. [doi:10.1002/chem.200600210](https://doi.org/10.1002/chem.200600210).

Gausepohl, R., Buskens, P., Kleinen, J., Bruckmann, A., Lehmann, C. W., Klankermayer, J., & Leitner, W. (2006). Highly enantioselective Aza-Baylis-Hillman reaction in a chiral reaction medium. *Angewandte Chemie-International Edition*, 45, 3689-3692. [doi:10.1002/anie.200600327](https://doi.org/10.1002/anie.200600327).

Schneider, J. J., Spickermann, D., Lehmann, C. W., Magull, J., Krüger, H.-J., Ensling, J., & Gütllich, P. (2006). Decacyclene as complexation manifold: Synthesis, structure and properties of its  $\text{Fe}_2$  and  $\text{Fe}_4$  slipped triple-decker complexes. *Chemistry-A European Journal*, 12, 1427-1435. [doi:10.1002/chem.200500100](https://doi.org/10.1002/chem.200500100).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2006). Reactions of  $(\text{CF}_3)_3\text{BCO}$  with amines and phosphines. *Inorganic Chemistry*, 45, 669-678. [doi:10.1021/ic0515305](https://doi.org/10.1021/ic0515305).

Döpp, D., Hassan, A. A., Nour El-Din, A. M., Mourad, A. F. E., Lehmann, C. W., & Rust, J. (2006). Reaction of (1,3-dioxo-2,3-dihydro-1H-inden-2-ylidene)propanedinitrile with N-arylisindolines. *Tetrahedron*, 62, 11618-11626. [doi:10.1016/j.tet.2006.09.070](https://doi.org/10.1016/j.tet.2006.09.070).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2006).  $(\text{PPh}_3)_3\text{RhCNB}(\text{CF}_3)_3$  and  $(\text{PPh}_3)_3\text{RhNCB}(\text{CF}_3)_3$ : Isocyano- and Cyanoborate Complexes of Tris(triphenylphosphine)rhodium(I). *Organometallics*, 25, 3070-3075. [doi:10.1021/om060135z](https://doi.org/10.1021/om060135z).

Nehls, B. S., Galbrecht, F., Brauer, D. J., Lehmann, C. W., Scherf, U., & Farrell, T. (2006). Synthesis and characterization of a helical step-ladder polyarylene. *Journal of Polymer Science, Part A: Polymer Chemistry*, 44, 5533-5545. [doi:10.1002/pola.21552](https://doi.org/10.1002/pola.21552).

## 2005

---

Nehls, B. S., Galbrecht, F., Bilge, A., Brauer, D. J., Lehmann, C. W., Scherf, U., & Farrell, T. (2005). Synthesis and spectroscopy of an oligophenyl based cruciform with remarkable  $\pi$ - $\pi$  assisted folding. *Organic & Biomolecular Chemistry*, 3(17), 3213-3219. [doi:10.1039/B508125D](https://doi.org/10.1039/B508125D).

Fürstner, A., Davies, P. W., & Lehmann, C. W. (2005). Bidentate Ruthenium Vinylcarbene Catalysts Derived from Enyne Metathesis. *Organometallics*, 24(16), 4065-4071. [doi:10.1021/om050310w](https://doi.org/10.1021/om050310w).

Kremzow, D., Seidel, G., Lehmann, C. W., & Fürstner, A. (2005). Diaminocarbene- and Fischer-Carbene Complexes of Palladium and Nickel by Oxidative Insertion: Preparation, Structure, and Catalytic Activity. *Chemistry - A European Journal*, 11(6), 1833-1853. [doi:10.1002/chem.200400928](https://doi.org/10.1002/chem.200400928).

Grevels, F.-W., Jacke, J., Goddard, R., Lehmann, C. W., Özkar, S., & Saldamli, S. (2005). Bis(trimethylsilyl)ethyne as a two-electron alkyne ligand in group 6 carbonylmetal(0) complexes: Photochemical syntheses and comprehensive characterization of  $M(\text{CO})_5(\eta^2\text{-Me}_3\text{SiC}\equiv\text{CSiMe}_3)$  ( $M = \text{W, Mo, Cr}$ ) and  $\text{trans-Mo}(\text{CO})_4(\eta^2\text{-Me}_3\text{SiC}\equiv\text{CSiMe}_3)_2$ . *Organometallics*, 24(19), 4613-4623. [doi:10.1021/om058016r](https://doi.org/10.1021/om058016r).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2005). Cyano- and isocyanotris(trifluoromethyl)borates: Syntheses, spectroscopic properties, and solid state structures of  $\text{K}[(\text{CF}_3)_3\text{BCN}]$  and  $\text{K}[(\text{CF}_3)_3\text{BNC}]$ . *Journal of the American Chemical Society*, 127(30), 10712-10722. [doi:10.1021/ja0516357](https://doi.org/10.1021/ja0516357).

Lavanant, L., Toupet, L., Lehmann, C. W., & Carpentier, J.-F. (2005). Group 4 Metal Complexes of Nitrogen-Bridged Dialkoxide Ligands: Synthesis, Structure, and Polymerization Activity Studies. *Organometallics*, 24, 5620-5633. [doi:10.1021/om0505817](https://doi.org/10.1021/om0505817).

Burstein, C., Lehmann, C. W., & Glorius, F. (2005). Imidazo[1,5-a]pyridine-3-ylidenes - pyridine derived N-heterocyclic carbene ligands. *Tetrahedron*, 61(26), 6207-6217. [doi:10.1016/j.tet.2005.03.115](https://doi.org/10.1016/j.tet.2005.03.115).

Finze, M., Bernhardt, E., Willner, H., Lehmann, C. W., & Aubke, F. (2005). Homoleptic,  $\sigma$ -bonded octahedral superelectrophilic metal carbonyl cations of iron(II), ruthenium(II), and osmium(II). Part 2: Syntheses and characterizations of  $[\text{M}(\text{CO})_6][\text{BF}_4]_2$  ( $M = \text{Fe, Ru, Os}$ ). *Inorganic Chemistry*, 44(12), 4206-4214. [doi:10.1021/ic0482483](https://doi.org/10.1021/ic0482483).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2005). Haloacyl complexes of boron,  $[(\text{CF}_3)_3\text{BC}(\text{O})\text{Hal}]^-$  ( $\text{Hal} = \text{F, Cl, Br, I}$ ). *Chemistry-A European Journal*, 11(22), 6653-6665. [doi:10.1002/chem.200500038](https://doi.org/10.1002/chem.200500038).

Lian, B., Lehmann, C. W., Navarro, C., & Carpentier, J. F. (2005). Model studies of methacrylate chain transfer polymerization mediated by cationic zirconocene tert-butyl enolate. *Organometallics*, 24(10), 2466-2472. [doi:10.1021/om050119m](https://doi.org/10.1021/om050119m).

## 2004

---

Prühs, S., Lehmann, C. W., & Füstner, A. (2004). Preparation, Reactivity, and Structural Peculiarities of Hydroxyalkyl-Functionalized "Second-Generation" Ruthenium Carbene Complexes. *Organometallics*, 23(2), 280-287. [doi:10.1021/om0342006](https://doi.org/10.1021/om0342006).

Kirillov, E., Lehmann, C. W., Razavi, A., & Carpentier, J.-F. (2004). Highly syndiospecific polymerization of styrene catalyzed by allyl lanthanide complexes. *Journal of the American Chemical Society*, 126(39), 12240-12241. [doi:10.1021/ja0455695](https://doi.org/10.1021/ja0455695).

Lavanant, L., Chou, T.-Y., Chi, Y., Lehmann, C. W., Toupet, L., & Carpentier, J.-F. (2004).  $C_2$ -symmetric fluorosymmetric diamino-dialkoxide complexes of early transition metals. *Organometallics*, 23(23), 5450-5458. [doi:10.1021/om0494364](https://doi.org/10.1021/om0494364).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2004).  $[(\text{CF}_3)_3\text{BCP}]$  and  $[(\text{CF}_3)_3\text{BCAs}]^-$  thermisch stabile Phosphaethinyl- and Arsaethinyl-Komplexe. *Angewandte Chemie*, 116, 4254-4257. [doi:10.1002/ange.200454034](https://doi.org/10.1002/ange.200454034).

Kirillov, E., Lehmann, C. W., Razavi, A., & Carpentier, J.-F. (2004).  $[\eta^5\text{-}\eta^1\text{-}(3,6\text{-tBu}_2\text{Flu})\text{SiMe}_2\text{NtBu}]\text{Y}(\eta^1\text{-NC}_5\text{H}_6)(\text{py})_2$ : A 1,4-hydride-addition product to pyridine that provides evidence for the first fluorenyl(hydrido)metal (group 3) complex. *European Journal of Inorganic Chemistry*, (5), 943-945. [doi:10.1002/ejic.200300837](https://doi.org/10.1002/ejic.200300837).

Altenhoff, G., Goddard, R., Lehmann, C. W., & Glorius, F. (2004). Sterically demanding, bioxazoline-derived N-heterocyclic carbene ligands with restricted flexibility for catalysis. *Journal of the American Chemical Society*, 126(46), 15195-15201. [doi:10.1021/ja045349r](https://doi.org/10.1021/ja045349r).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2004).  $[(CF_3)_3BCP]^-$  and  $[(CF_3)_3BCAs]^-$ : Thermally stable phosphaehtynyl and arsaethynyl complexes. *Angewandte Chemie-International Edition*, 43(32), 4160-4163. [doi:10.1002/anie.200454034](https://doi.org/10.1002/anie.200454034).

Kirillov, E., Lehmann, C. W., Razavi, A., & Carpentier, J. F. (2004). Synthesis, structure, and polymerization activity of neutral halide, alkyl, and hydrido yttrium complexes of isopropylidene-bridged cyclopentadienyl-fluorenyl ligands. *Organometallics*, 23(11), 2768-2777. [doi:10.1021/om049902p](https://doi.org/10.1021/om049902p).

Cai, C.-X., Amgoune, A., Lehmann, C. W., & Carpentier, J.-F. (2004). Stereoselective ring-opening polymerization of racemic lactide using alkoxy-amino-bis(phenolate) group 3 metal complexes. *Chemical Communications (Cambridge, U. K.)*, (3), 330-331. [doi:10.1039/B314030J](https://doi.org/10.1039/B314030J).

Glorius, F., Spielkamp, N., Holle, S., Goddard, R., & Lehmann, C. W. (2004). Efficient asymmetric hydrogenation of pyridines. *Angewandte Chemie-International Edition*, 43(21), 2850-2852. [doi:10.1002/anie.200453942](https://doi.org/10.1002/anie.200453942).

## 2003

---

Saha, M. K., Dey, D. K., Choudhury, C. R., Dey, S. K., Mitra, S., & Lehmann, C. W. (2003). Isolation of a novel singly oxo-bridged low-spin Fe(II) dimeric complex: Synthesis, crystal structure, and spectroscopic study. *Chemistry Letters*, 32(12), 1136-1137. [doi:10.1246/cl.2003.1136](https://doi.org/10.1246/cl.2003.1136).

Kirillov, E., Toupet, L., Lehmann, C. W., Razavi, A., & Carpentier, J.-F. (2003). "Constrained geometry" group 3 metal complexes of the fluorenyl-based ligands  $[(3,6\text{-}^t\text{Bu}_2\text{Flu})\text{SiR}_2\text{N}^t\text{Bu}]$ : Synthesis, structural characterization, and polymerization activity. *Organometallics*, 22(22), 4467-4479. [doi:10.1021/om0304210](https://doi.org/10.1021/om0304210).

Cai, C. X., Toupet, L., Lehmann, C. W., & Carpentier, J. F. (2003). Synthesis, structure and reactivity of new yttrium bis(dimethylsilyl)amido and bis(trimethylsilyl)methyl complexes of a tetradentate bis(phenoxide) ligand. *Journal of Organometallic Chemistry*, 683(1), 131-136. [doi:10.1016/S0022-328X\(03\)00513-8](https://doi.org/10.1016/S0022-328X(03)00513-8).

Kirillov, E., Toupet, L., Lehmann, C. W., Razavi, A., Kahlal, S., Saillard, J.-Y., & Carpentier, J.-F. (2003).  $[(\text{Cp-CMe}_2\text{-Flu})_2\text{Ln}][\text{Li}(\text{ether})_n]^+$  (Ln = Y, La): Complexes with unusual coordination modes of the fluorenyl ligand and the first examples of bis-ansa lanthanidocenes. *Organometallics*, 22(20), 4038-4046. [doi:10.1021/om030181o](https://doi.org/10.1021/om030181o).

Giunta, D., Hölscher, M., Lehmann, C. W., Mynott, R., Wirtz, C., & Leitner, W. (2003). Room temperature activation of aromatic C-H bonds by non-classical ruthenium hydride complexes containing carbene ligands. *Advanced Synthesis & Catalysis*, 345(9-10), 1139-1145. [doi:10.1002/adsc.200303091](https://doi.org/10.1002/adsc.200303091).

Schneider, J. J., Wolf, D., & Lehmann, C. W. (2003). Coordination studies of polycondensed pi-perimeters: mono-, di- and tri-nuclear cobalt sandwich complexes of tetracene, benzo[a]pyrene, triphenylene, benzo[b]triphenylene and perylene. *Inorganica Chimica Acta*, 350, 625-632. [doi:10.1016/S0020-1693\(03\)00109-9](https://doi.org/10.1016/S0020-1693(03)00109-9).

Döpp, D., Hassan, A. A., Mourad, A.-F.-E., Nour El-Din, A. M., Angermund, K., Krüger, C., Lehmann, C. W., & Rust, J. (2003). New reaction of ethenetetracarbonitrile with N-aryloindolines. *Tetrahedron*, 59(27), 5073-5081. [doi:10.1016/S0040-4020\(03\)00735-X](https://doi.org/10.1016/S0040-4020(03)00735-X).

Fürstner, A., Seidel, G., Kremzow, D., & Lehmann, C. W. (2003). Preparation of Metal-Imidazolidin-2-ylidene Complexes by Oxidative Addition. *Organometallics*, 22(5), 907-909. [doi:10.1021/om021022s](https://doi.org/10.1021/om021022s).

Kaskel, S., Lehmann, C. W., Chaplais, G., Schlichte, K., & Khanna, M. (2003). Synthesis, structure, and characterization of  $[\text{RAL}(\mu\text{-NHet})(\mu\text{-NEt})_2\text{Si}(\text{NHet})_2]$  (R = Me, Et). *European Journal of Inorganic Chemistry*, (6), 1193-1196. [doi:10.1002/ejic.200390154](https://doi.org/10.1002/ejic.200390154).



Fürstner, A., Castanet, A.-S., Radkowski, K., & Lehmann, C. W. (2003). Total Synthesis of (S)-(+)-Citreo-furan by Ring Closing Alkyne Metathesis. *The Journal of Organic Chemistry*, 68(4), 1521-1528. [doi:10.1021/jo026686q](https://doi.org/10.1021/jo026686q).

Bette, V., Mortreux, A., Lehmann, C. W., & Carpentier, J. F. (2003). Direct Zn-diamine promoted reduction of C=O and C=N bonds by polymethylhydrosiloxane in methanol. *Chemical Communications (Cambridge, U. K.)*, (3), 332-333. [doi:10.1039/B210144K](https://doi.org/10.1039/B210144K).

Altenhoff, G., Goddard, R., Lehmann, C. W., & Glorius, F. (2003). Ein N-heterocyclischer Carbenligand mit flexiblem sterischem Anspruch ermöglicht die Suzuki-Kreuzkupplung sterisch gehinderter Arylchloride bei Raumtemperatur. *Angewandte Chemie*, 115, 3818-3821. [doi:10.1002/ange.200351325](https://doi.org/10.1002/ange.200351325).

Bradley, J. S., Cheng, F., Archibald, S. J., Supplit, R., Rovai, R., Lehmann, C. W., Krüger, C., & Lefebvre, F. (2003). Syntheses and structures of [(Me<sub>3</sub>N)<sub>3</sub>SiNHLi]<sub>4</sub>, (C<sub>4</sub>H<sub>8</sub>O)Al[NHSi(NMe<sub>2</sub>)<sub>3</sub>]<sub>3</sub>, ((Me<sub>2</sub>N)<sub>3</sub>SiNH)<sub>3</sub>Al and Li(THF)<sub>2</sub><sup>+</sup>[(Me<sub>2</sub>N)<sub>3</sub>SiNH]<sub>4</sub> Al<sup>-</sup>. *Dalton Transactions*, (9), 1846-1851. [doi:10.1039/B209605F](https://doi.org/10.1039/B209605F).

Bernhardt, E., Finze, M., Willner, H., Lehmann, C. W., & Aubke, F. (2003). [Co(CO)<sub>5</sub>][(CF<sub>3</sub>)<sub>3</sub>BF]: ein stabiles Salz eines homoleptischen trigonal-bipyramidalen Metallcarbonyl-Kations. *Angewandte Chemie*, 115, 2123-2125. [doi:10.1002/ange.200250780](https://doi.org/10.1002/ange.200250780).

Bernhardt, E., Finze, M., Willner, H., Lehmann, C. W., & Aubke, F. (2003). [Co(CO)<sub>5</sub>][(CF<sub>3</sub>)<sub>3</sub>BF]: A stable salt of a homoleptic trigonal-bipyramidal metal-carbonyl cation. *Angewandte Chemie-International Edition*, 42(18), 2077-2079. [doi:10.1002/anie.200250780](https://doi.org/10.1002/anie.200250780).

Finze, M., Bernhardt, E., Willner, H., & Lehmann, C. W. (2003). The fluoroacyltris(trifluoromethyl)borate ion, [(CF<sub>3</sub>)<sub>3</sub>BC(O)F]<sup>-</sup>, a fluoroacylboron complex. *Angewandte Chemie-International Edition*, 42(9), 1052-1055. [doi:10.1002/anie.200390272](https://doi.org/10.1002/anie.200390272).

Altenhoff, G., Goddard, R., Lehmann, C. W., & Glorius, F. (2003). An N-heterocyclic carbene ligand with flexible steric bulk allows Suzuki cross-coupling of sterically hindered aryl chlorides at room temperature. *Angewandte Chemie-International Edition*, 42(31), 3690-3693. [doi:10.1002/anie.200351325](https://doi.org/10.1002/anie.200351325).

## 2002

---

Glorius, F., Altenhoff, G., Goddard, R., & Lehmann, C. (2002). Oxazolines as chiral building blocks for imidazolium salts and N-heterocyclic carbene ligands. *Chemical Communications*, (22), 2704-2705. [doi:10.1039/B208045A](https://doi.org/10.1039/B208045A).

Dash, A. K., Razavi, A., Mortreux, A., Lehmann, C. W., & Carpentier, J. F. (2002). Amine elimination reactions between homoleptic silylamide lanthanide complexes and an isopropylidene-bridged cyclopentadiene-fluorene system. *Organometallics*, 21(15), 3238-3249. [doi:10.1021/om0200398](https://doi.org/10.1021/om0200398).

Parvulescu, V. I., Bönnemann, H., Parvulescu, V., Endruschat, U., Ruffińska, A., Lehmann, C. W., Tesche, B., & Poncelet, G. (2002). Erratum to "Preparation and characterisation of mesoporous zirconium oxide". *Applied Catalysis A-General*, 214(2), 273-287. [doi:10.1016/S0926-860X\(02\)00134-5](https://doi.org/10.1016/S0926-860X(02)00134-5).

Fürstner, A., Radkowski, K., Wirtz, C., Goddard, R., Lehmann, C. W., & Mynott, R. (2002). Total syntheses of the phytotoxic lactones herbarumin I and II and a synthesis-based solution of the pinolidoxin puzzle. *Journal of the American Chemical Society*, 124(24), 7061-7069. [doi:10.1021/ja020238i](https://doi.org/10.1021/ja020238i).

Fürstner, A., Thiel, O. R., & Lehmann, C. W. (2002). Study concerning the effects of chelation on the structure and catalytic activity of ruthenium carbene complexes. *Organometallics*, 21(2), 331-335. [doi:10.1021/om0108503](https://doi.org/10.1021/om0108503).

## 2001

---

- Fürstner, A., Mathes, C., & Lehmann, C. W. (2001). Alkyne Metathesis: Development of a Novel Molybdenum-Based Catalyst System and Its Application to the Total Synthesis of Epothilone A and C. *Chemistry - A European Journal*, 7 (24), 5299-5317. [doi:10.1002/1521-3765\(20011217\)7:24<5299:AID-CHEM5299>3.0.CO;2-X](https://doi.org/10.1002/1521-3765(20011217)7:24<5299:AID-CHEM5299>3.0.CO;2-X).
- Fürstner, A., Krause, H., & Lehmann, C. W. (2001). Preparation, structure and catalytic properties of a binuclear Pd(0) complex with bridging silylene ligands. *Chemical Communications*, (22), 2372-2373. [doi:10.1039/B108132B](https://doi.org/10.1039/B108132B).
- Fürstner, A., Krause, H., Ackermann, L., & Lehmann, C. W. (2001). N-Heterocyclic carbenes can coexist with alkenes and C-H acidic sites. *Chemical Communications*, (21), 2240-2241. [doi:10.1039/B107238B](https://doi.org/10.1039/B107238B).
- Fürstner, A., Ackermann, L., Gabor, B., Goddard, R., Lehmann, C. W., Mynott, R., Stelzer, F., & Thiel, O. R. (2001). Comparative Investigation of Ruthenium-Based Metathesis Catalysts Bearing N-Heterocyclic Carbene (NHC) Ligands. *Chemistry - A European Journal*, 7(15), 3236-3253. [doi:10.1002/1521-3765\(20010803\)7:15<3236:AID-CHEM3236>3.0.CO;2-S](https://doi.org/10.1002/1521-3765(20010803)7:15<3236:AID-CHEM3236>3.0.CO;2-S).
- Marlow, F., Leike, I., Weidenthaler, C., Lehmann, C., & Wilczok, U. (2001). Mesostructured Silica Fibers: Ring Structures in Reciprocal Space. *Advanced Materials*, 13(5), 307-310. [doi:10.1002/1521-4095\(200103\)13:5<307:AID-ADMA307>3.0.CO;2-P](https://doi.org/10.1002/1521-4095(200103)13:5<307:AID-ADMA307>3.0.CO;2-P).
- Fürstner, A., Grabowski, J., Lehmann, C. W., Kataoka, T., & Nagai, K. (2001). Synthesis and Biological Evaluation of Nonylprodigiosin and Macrocyclic Prodigiosin Analogues. *ChemBioChem: A European Journal of Chemical Biology*, 2(1), 60-68. [doi:10.1002/1439-7633\(20010105\)2:1<60:AID-CBIC60>3.0.CO;2-P](https://doi.org/10.1002/1439-7633(20010105)2:1<60:AID-CBIC60>3.0.CO;2-P).
- Bogaert, S., Chenal, T., Mortreux, A., Nowogrocki, G., Lehmann, C., & Carpentier, J.-F. (2001). Neodymium(III) Complexes with Bulky ansa-Bis(cyclopentadienyl) Ligands: Synthesis and Use in Olefin Oligomerization. *Organometallics*, 20(1), 199-205. [doi:10.1021/om0006357](https://doi.org/10.1021/om0006357).

## 2000

---

- Fürstner, A., Grela, K., Mathes, C., & Lehmann, C. W. (2000). Novel and Flexible Entries into Prostaglandins and Analogues Based on Ring Closing Alkyne Metathesis or Alkyne Cross Metathesis. *Journal of the American Chemical Society*, 122(48), 11799-11805. [doi:10.1021/ja003119g](https://doi.org/10.1021/ja003119g).
- Lehmann, C. W., Fürstner, A., & Müller, T. (2000). Macrocyclic substructure of tricolorin A - The first crystal structure of a resin glycoside. *Zeitschrift für Kristallographie: International Journal for Structural, Physical, and Chemical Aspects of Crystalline Materials*, 215(2), 114-117. [doi:10.1524/zkri.2000.215.2.114](https://doi.org/10.1524/zkri.2000.215.2.114).
- Schwarz, I., Rust, J., Lehmann, C., & Braun, M. (2000). Synthesis, crystal structure, and NMR investigation of methyl  $\alpha,\alpha$ -dimethyl acetate-substituted  $\pi$ -allylpalladium complexes. *Journal of Organometallic Chemistry*, 605(1), 109-116. [doi:10.1016/S0022-328X\(00\)00276-X](https://doi.org/10.1016/S0022-328X(00)00276-X).
- Wulff, G., Matussek, A., Hanf, C., Gladow, S., Lehmann, C., & Goddard, R. (2000). Template-Induced, Stereoselective Cyclizations in the Cyclopolymerization of TADDOL-Dimethacrylate. *Angewandte Chemie, International Edition in English*, 39(13), 2275-2277. [doi:10.1002/1521-3773\(20000703\)39:13<2275:AID-ANIE2275>3.0.CO;2-H](https://doi.org/10.1002/1521-3773(20000703)39:13<2275:AID-ANIE2275>3.0.CO;2-H).
- Fürstner, A., Liebl, M., Lehmann, C. W., Picquet, M., Kunz, R., Bruneau, C., Touchard, D., & Dixneuf, P. H. (2000). Cationic Ruthenium Allenylidene Complexes as Catalysts for Ring Closing Olefin Metathesis. *Chemistry - A European Journal*, 6(10), 1847-1857. [doi:10.1002/\(SICI\)1521-3765\(20000515\)6:10<1847:AID-CHEM1847>3.0.CO;2-1](https://doi.org/10.1002/(SICI)1521-3765(20000515)6:10<1847:AID-CHEM1847>3.0.CO;2-1).

Bönnemann, H., Endruschat, U., Tesche, B., Rufinska, A., Lehmann, C. W., Wagner, F. E., Filoti, G., Pârvulescu, V., & Pârvulescu, V. I. (2000). An SiO<sub>2</sub>-Embedded Nanoscopic Pd/Au Alloy Colloid. *European Journal of Inorganic Chemistry*, 2000(5), 819-822. [doi:10.1002/\(SICI\)1099-0682\(200005\)2000:5<819:AID-EJIC819>3.0.CO;2-F](https://doi.org/10.1002/(SICI)1099-0682(200005)2000:5<819:AID-EJIC819>3.0.CO;2-F).

## 1999

---

Schneider, J. J., Denninger, U., Goddard, R., Krüger, C., & Lehmann, C. (1999). Synthese, Struktur und Reaktivität zweikerniger Pentamethyl-Cyclopentadien-Nickelkomplexe mit verbrückenden Butadienliganden. *Journal of Organometallic Chemistry*, 582(2), 188-194. [doi:10.1016/S0022-328X\(99\)00034-0](https://doi.org/10.1016/S0022-328X(99)00034-0).

Schneider, J. J., Czap, N., Spickermann, D., Lehmann, C., Fontani, M., Laschi, F., & Zanello, P. (1999). Synthesis, structure and spectroelectrochemistry of bis( $\eta^6$ -1,4-tri-tert-butyl-benzene)chromium(0) and bis( $\eta^5$ -1,2,4-tri-tert-butyl-cyclopentadienyl)cobalt(II). Dia- and paramagnetic sandwich complexes derived from sterically highly demanding  $\pi$ -ligands. *Journal of Organometallic Chemistry*, 590(1), 7-14. [doi:10.1016/S0022-328X\(99\)00383-6](https://doi.org/10.1016/S0022-328X(99)00383-6).

Fürstner, A., Grabowski, J., & Lehmann, C. W. (1999). Total Synthesis and Structural Refinement of the Cyclic Tripyrrole Pigment Nonylprodigiosin. *The Journal of Organic Chemistry*, 64(22), 8275-8280. [doi:10.1021/jo991021i](https://doi.org/10.1021/jo991021i).

Fürstner, A., Mathes, C., & Lehmann, C. W. (1999). Mo[N(t-Bu)(Ar)]<sub>3</sub> Complexes As Catalyst Precursors: In Situ Activation and Application to Metathesis Reactions of Alkynes and Diynes. *Journal of the American Chemical Society*, 121(40), 9453-9454. [doi:10.1021/ja991340r](https://doi.org/10.1021/ja991340r).

Goeta, A. E., Thompson, L. K., & Lehmann, C. W. (1999). [Cu<sub>2</sub>{1,4-bis[(3-methyl-2-pyridyl)amino]phthalazine-H}(N<sub>3</sub>)<sub>3</sub>] at 40K. *Acta Crystallographica, Section C: Crystal Structure Communications*, 55(Part 8), 695-696. [doi:10.1107/S0108270199005648](https://doi.org/10.1107/S0108270199005648).

Grevels, F.-W., Jacke, J., Klotzbücher, W. E., Mark, F., Skibbe, V., Schaffner, K., Angermund, K., Krüger, C., Lehmann, C., & Özkar, S. (1999). Sequential Photosubstitution of Carbon Monoxide by (E)-Cyclooctene in Hexacarbonyl tungsten: Structural Aspects, Multistep Photokinetics, and Quantum Yields. *Organometallics*, 18(17), 3278-3293. [doi:10.1021/om990300t](https://doi.org/10.1021/om990300t).

Rovai, R., Lehmann, C., & Bradley, J. S. (1999). Non-Oxide Sol-Gel Chemistry: Preparation from Tris(dialkylamino)silazanes of a Carbon-Free, Porous, Silicon Diimide Gel. *Angewandte Chemie, International Edition in English*, 38(13-14), 1856-2070. [doi:10.1002/\(SICI\)1521-3773\(19990712\)38:13/14<2036:AID-ANIE2036>3.0.CO;2-Q](https://doi.org/10.1002/(SICI)1521-3773(19990712)38:13/14<2036:AID-ANIE2036>3.0.CO;2-Q).

Bruckmann, J., Krüger, C., Lehmann, C., Leitner, W., Rust, J., & Six, C. (1999). Ethylenebis(phosphonic acid). *Acta Crystallographica, Section C: Crystal Structure Communications*, 55(Part 4), 695-696. [doi:10.1107/S0108270198016448](https://doi.org/10.1107/S0108270198016448).

## 1998

---

Klein, J., Lehmann, C., Schmidt, H.-W., & Maier, W. F. (1998). Combinatorial Material Libraries on the Microgram Scale with an Example of Hydrothermal Synthesis. *Angewandte Chemie, International Edition in English*, 37(24), 3369-3372. [doi:10.1002/\(SICI\)1521-3773\(19981231\)37:24<3369:AID-ANIE3369>3.0.CO;2-H](https://doi.org/10.1002/(SICI)1521-3773(19981231)37:24<3369:AID-ANIE3369>3.0.CO;2-H).

Batsanov, A., Crabtree, S., Howard, J., Lehmann, C., & Kilner, M. (1998).  $\eta^1$ - and  $\eta^2$ -benzene coordination in [Ag(C<sub>6</sub>D<sub>6</sub>)<sub>3</sub>BF<sub>4</sub>]. *Journal of Organometallic Chemistry*, 550(1-2), 59-61. [doi:10.1016/S0022-328X\(97\)00173-3](https://doi.org/10.1016/S0022-328X(97)00173-3).

Davidson, M., Goeta, A., Howard, J., Lehmann, C., McIntyre, G., & Price, R. (1998). Low temperature neutron and X-ray diffraction study of imino(triphenyl)phosphorane. *Journal of Organometallic Chemistry*, 550, 449-452.

[doi:10.1016/S0022-328X\(97\)00551-2](https://doi.org/10.1016/S0022-328X(97)00551-2).

Byerley, A. J., Kenwright, A. M., Lehmann, C., Hugh MacBride, J. A., & Steel, P. G. (1998). Acetyl Perchlorate Mediated Rearrangement of Tri-O-benzyl-D-glucal. Evidence for a 1,6-Hydride Shift. *The Journal of Organic Chemistry*, 63(1), 193-194. [doi:10.1021/jo971400g](https://doi.org/10.1021/jo971400g).

Chan, M. C. W., Cole, J. M., Gibson, V. C., Howard, J. A. K., Lehmann, C., Poole, A. D., & Siemeling, U. (1998). Half-sandwich imido complexes of niobium bearing alkyne, benzyne and benzyldiene ligands: relatives of the zirconocene family. *Journal of the Chemical Society, Dalton Transactions*, (1), 103-112. [doi:10.1039/A705197B](https://doi.org/10.1039/A705197B).

Moore, A. J., Bryce, M. R., Batsanov, A. S., Heaton, J. N., Lehmann, C. W., Howard, J. A. K., Robertson, N., Underhill, A., & Perepichka, I. F. (1998). (N-Methylthiocarbamoyl)tetrathiafulvalene derivatives and their radical cations: synthetic and X-ray structural studies. *Journal of Materials Chemistry*, 8, 1541-1550. [doi:10.1039/A802037J](https://doi.org/10.1039/A802037J).

## 1997

---

Dickins, R., Howard, J., Lehmann, C., Moloney, J., Parker, D., & Peacock, R. (1997). Structural rigidity and luminescence of chiral lanthanide tetraamide complexes based on 1,4,7,10-tetraazacyclododecane. *Angewandte Chemie International Edition*, 36(5), 521-523. [doi:10.1002/anie.199705211](https://doi.org/10.1002/anie.199705211).

Moore, A., Bryce, M., Batsanov, A., Lehmann, C., & Howard, J. (1997). New tetrathiafulvalene derivatives bearing thioamide substituents. *Synthetic Metals*, 86(1-3), 1901-1902. [doi:10.1016/S0379-6779\(97\)80956-3](https://doi.org/10.1016/S0379-6779(97)80956-3).

Borwick, S., Howard, J., Lehmann, C., & O'Hagan, D. (1997). 1-(4-bromophenyl)-2-fluoroethanone (2,4-dinitrophenyl)hydrazone containing a particularly short fluorine-hydrogen bond. *Acta Crystallographica, Section C: Crystal Structure Communications*, 53, 124-126. [doi:10.1107/S0108270196013133](https://doi.org/10.1107/S0108270196013133).

Davidson, M., Howard, J., Lamb, S., & Lehmann, C. (1997). Synthesis and X-ray structures of tetralithium derivatives of tert-butylcalix[4]arene containing unique Li-O cores based on a square-pyramidal geometry. *Chemical Communications*, (17), 1607-1608. [doi:10.1039/A702280H](https://doi.org/10.1039/A702280H).

Copley, R., Goeta, A., Lehmann, C. W., Cole, J., Yufit, D., Howard, J., & Archer, J. (1997). The Fddd four-circle diffractometer for single-crystal X-ray studies at temperatures down to 9 K. *Journal of Applied Crystallography*, 30, 413-417. [doi:10.1107/S0021889897002525](https://doi.org/10.1107/S0021889897002525).

Barker, J., Barr, D., Barnett, N., Clegg, W., Cragg-Hine, I., Davidson, M., Davies, R., Hodgson, S., Howard, J., Kilner, M., Lehmann, C., Lopez-Solera, I., Mulvey, R., Raithby, P., & Snaith, R. (1997). Lithiated amidines: Syntheses and structural characterisations. *Journal of the Chemical Society, Dalton Transactions*, (6), 951-955. [doi:10.1039/a605849c](https://doi.org/10.1039/a605849c).

Chambers, R., Gray, W., Vaughan, J., Korn, S., Medebielle, M., Batsanov, A., Lehmann, C., & Howard, J. (1997). Reactions involving fluoride ion. Part 41.1,2 Synthesis of hexakis(trifluoromethyl)cyclopentadiene and derived cyclopentadienide salts. *Journal of the Chemical Society, Perkin Transactions 1*, (2), 135-145. [doi:10.1039/a604087j](https://doi.org/10.1039/a604087j).

## 1996

---

Kerkoc, P., Venkataramanan, V., Lochran, S., Bailey, R., Cruickshank, F., Pugh, D., Sherwood, J., Moseley, R., Goeta, A., Lehmann, C., & Howard, J. (1996). Thermal properties of the nonlinear optical crystal zinc tris (thiourea) sulphate. *Journal of Applied Physics*, 80(12), 6666-6669. [doi:10.1063/1.363791](https://doi.org/10.1063/1.363791).

Chambers, R., Hutchinson, J., Batsanov, A., Lehmann, C., & Naumov, D. (1996). Elemental fluorine. Part 6. Fluorination of cyclic 1,3-diketones and related compounds. *Journal of the Chemical Society, Perkin Transactions 1*, (18), 2271-2275. [doi:10.1039/p19960002271](https://doi.org/10.1039/p19960002271).

Bryce, M., Chalton, M., Batsanov, A., Lehmann, C. W., & Howard, J. (1996). Nitroso derivatives of 1,3-dithiol-2-ylidene stabilised by intramolecular oxygen..sulfur interactions: Synthesis and X-ray crystal structures. *Journal of the Chemical Society-Perkin Transactions 2*, (11), 2367-2371. [doi:10.1039/p29960002367](https://doi.org/10.1039/p29960002367).

## 1995

---

Howard, S., Hursthouse, M., Lehmann, C., & Poyner, E. (1995). Experimental and theoretical determination of electronic properties in L-dopa. *Acta Crystallographica Section B*, 51, 328-337. [doi:10.1107/S0108768194011407](https://doi.org/10.1107/S0108768194011407).

## 1994

---

Lehmann, A., Luger, P., Lehmann, C., & Ibberson, R. (1994). Oxalic acid dihydrate - an accurate low-temperature structural study using high-resolution neutron powder diffraction. *Acta Crystallographica Section B*, 50(Part 3), 344-348. [doi:10.1107/S0108768193011656](https://doi.org/10.1107/S0108768193011656).

Batsanov, A., Brooke, G., Drury, C., Howard, J., & Lehmann, C. (1994). The pyrolysis of 1,3,4,5,6,7,8-heptafluoro-2-naphthyl propynoate: remarkable products obtained via an internal Diels-Alder reaction. *Journal of the Chemical Society, Perkin Transactions 1*, (14), 1991-1995. [doi:10.1039/p19940001991](https://doi.org/10.1039/p19940001991).

Banister, A., Gorell, I., Lawrence, S., Lehmann, C., May, I., Tate, G., Blake, A., & Rawson, J. (1994). Novel bonding modes in metallo-dithiadiazolyl complexes: preparation and crystal structures of [Pt(SNCPHNS-S,S)(PPh<sub>3</sub>)<sub>2</sub>].MeCN and [Pt<sub>3</sub>(μ-SNCPHNS-S,S)<sub>2</sub>(PPh<sub>3</sub>)<sub>4</sub>·2PhMe. *Journal of the Chemical Society, Chemical Communications*, (15), 1779-1780. [doi:10.1039/c39940001779](https://doi.org/10.1039/c39940001779).

## 1993

---

Bridge, A., Hursthouse, M., Lehmann, C., Lythgoe, D., & Newton, C. (1993). Novel cycloadditions of isoquinoline Reissert salts. *Journal of the Chemical Society, Perkin Transactions 1*, (16), 1839-1847. [doi:10.1039/p19930001839](https://doi.org/10.1039/p19930001839).

Busby, R., Hursthouse, M., Jarret, P., Lehmann, C., Malik, K., & Phillips, C. (1993). Dimorphs of [1,2-bis(diphenylphosphino)ethane]dichloronickel(II). *Journal of the Chemical Society, Dalton Transactions*, (24), 3767-3770. [doi:10.1039/dt9930003767](https://doi.org/10.1039/dt9930003767).

Lehmann, C., Karaulow, A., & Hursthouse, M. (1993). New Opportunities for Charge Density Studies Using the FAST Area Detector. *Zeitschrift fuer Naturforschung, A: Physical Sciences*, 48(1-2), 63-67.

## 1992

---

Stein, A., Lehmann, C., & Luger, P. (1992). Crystal structure of cyclobutane at 117 K. *Journal of the American Chemical Society*, 114(20), 7684-7687. [doi:10.1021/ja00046a012](https://doi.org/10.1021/ja00046a012).

Howard, S., Hursthouse, M., Lehmann, C., Mallinson, P., & Frampton, C. (1992). Experimental and theoretical study of the charge density in 2-methyl-4-nitroaniline. *The Journal of Chemical Physics*, 97(8), 5616-5630. [doi:10.1063/1.463769](https://doi.org/10.1063/1.463769)

## 1991

---

Fuhrhop, J., Blumtritt, P., Lehmann, C., & Luger, P. (1991). Supramolecular assemblies, a crystal structure, and a polymer of N-diacetylenic gluconamides. *Journal of the American Chemical Society*, 113(19), 7437-7439. [doi:10.1021/ja00019a060](https://doi.org/10.1021/ja00019a060).

Mulzer, J., Kattner, L., Strecker, A., Schröder, C., Buschmann, J., Lehmann, C., & Luger, P. (1991). Highly Felkin-Anh selective Hiyama additions of chiral allylic bromides to aldehydes. Application to the first synthesis of nephromopsinic acid and its enantiomer. *Journal of the American Chemical Society*, 113(11), 4218-4229. [doi:10.1021/ja00011a025](https://doi.org/10.1021/ja00011a025).

Mulzer, J., Kirstein, H., Buschmann, J., Lehmann, C., & Luger, P. (1991). Total synthesis of 9-dihydroerythronolide B derivatives and of erythronolide B. *Journal of the American Chemical Society*, 113(3), 910-923. [doi:10.1021/ja00003a026](https://doi.org/10.1021/ja00003a026).

Lehmann, C., & Luger, P. (1991). Crystal structure redetermination of the D,L-glyceraldehyde dimer: A comparison of synchrotron and conventional X-ray diffraction data. *Zeitschrift für Kristallographie: New Crystal Structures*, 195(1-2), 49-63. [doi:10.1524/zkri.1991.195.1-2.49](https://doi.org/10.1524/zkri.1991.195.1-2.49).

## 1990

---

Lehmann, C., Buschmann, J., Luger, P., Demoulin, C., Fuhrhop, J., & Eichhorn, K. (1990). Kristallstruktur einer racemischen Lipid-Doppelschicht bestimmt mit Synchrotronstrahlung. *Acta Crystallographica Section B*, 46, 646-650. [doi:10.1107/S010876819000492X](https://doi.org/10.1107/S010876819000492X).

## 1988

---

Mahato, S., Mandal, N., Pal, A., Maitra, S., Lehmann, C., & Luger, P. (1988). A novel application of the Friedel-Crafts reaction to the synthesis of differently substituted polynuclear compounds. *The Journal of Organic Chemistry*, 53(23), 5554-5558. [doi:10.1021/jo00258a034](https://doi.org/10.1021/jo00258a034).

Jeffrey, G., Buschmann, J., Lehmann, C., & Luger, P. (1988). The structure of 1,4-cyclohexadiene at 153 K. *Journal of the American Chemical Society*, 110(21), 7218-7219. [doi:10.1021/ja00229a049](https://doi.org/10.1021/ja00229a049).