

# Full publication list of Mirza Cokoja

## 2024

- [140] **Epoxidation of Olefins Catalyzed by Sulfate-based Supramolecular Ion Pairs**  
F. Schmidt, S. Poplata, D. Morris, S. Burger, M. Hegelmann, J. B. Love, M. Cokoja  
*ChemCatChem*, DOI: 10.1002/cctc.202301482.
- [139] **Understanding and Controlling Molecular Compositions and Properties in Mixed-Linker Porphyrin Metal–Organic Frameworks**  
K. Hemmer, S. M. Kronawitter, N. Grover, B. Twamley, M. Cokoja, R. A. Fischer, G. Kieslich, M. O. Senge  
*Inorg. Chem.* **2024**, 63(4), 2122–2130.
- [138] **Biphasic Catalysis for Sustainable Alkene Epoxidation**  
M. Hegelmann, F. Schmidt, M. Cokoja  
*Encycl. Inorg. Bioinorg. Chem.* **2024**, 1–21.
- [137] **Assignment of individual structures from intermetallic nickel gallium cluster ensembles**  
M. Muhr, J. Stephan, L. Staiger, K. Hemmer, M. Schütz, P. Heiß, C. Jandl, M. Cokoja, T. Kratky, S. Günther, D. Huber, S. Kahlal, J.-Y. Saillard, O. Cador, A. C. H. Da Silva, J. L. F. Da Silva, J. Mink, C. Gemel, R. A. Fischer  
*Commun. Chem.* **2014**, 7, 29.

## 2023

- [136] **Catalytic Alkyne Semihydrogenation with Polyhydride Ni/Ga Clusters**  
M. Muhr, H. Liang, L. Allmendinger, R. Bühler, F. E. Napoli, D. Ukaj, M. Cokoja, C. Jandl, S. Kahlal, J.-Y. Saillard, C. Gemel, R. A. Fischer  
*Angew. Chem. Int. Ed.* **2023**, 62(36), e202308790.
- [135] **Stereo-controlled cyclopropanation catalysis within the confined pores of porphyrin MOFs**  
K. Hemmer, R. Bühler, M. Elsner, M. Cokoja, R. A. Fischer  
*Catal. Sci. Technol.* **2023**, 13(11), 3304–3312.

## 2022

- [134] **Topology- and wavelength-governed CO<sub>2</sub> reduction photocatalysis in molecular catalyst-metal–organic framework assemblies**  
P. M. Stanley, K. Hemmer, M. Hegelmann, A. Schulz, M. Park, M. Elsner, M. Cokoja, J. Warnan  
*Chem. Sci.* **2022**, 13(41), 12164–12174.
- [133] **Vectorial Catalysis in Surface-Anchored Nanometer-Sized Metal–Organic Frameworks-Based Microfluidic Devices**  
A. L. Semrau, P. M. Stanley, D. Huber, M. Schuster, B. Albada, H. Zuilhof, M. Cokoja, R. A. Fischer  
*Angew. Chem. Int. Ed.* **2022**, 61(8), e20211510.
- [132] **Enhanced catalytic performance of palladium nanoparticles in MOFs by channel engineering**  
Z. Fan, L. Staiger, K. Hemmer, Z. Wang, W. Wang, Q. Xie, L. Zhang, A. Urstoeger, M. Schuster, J. A. Lercher, M. Cokoja, R. A. Fischer  
*Cell Rep. Phys. Sci.* **2022**, 3, 100757.

## 2021

- [131] **Nanometallurgy in solution: organometallic synthesis of intermetallic Pd–Ga colloids and their activity in semi-hydrogenation catalysis**  
L. Staiger, T. Kratky, S. Günther, A. Urstoeger, M. Schuster, O. Tomanek, R. Zbořil, R. W. Fischer, R. A. Fischer, M. Cokoja  
*Nanoscale* **2021**, 13(35), 15038–15047.
- [130] **Structural studies of ligand stabilized Ni/Ga clusters by means of vibrational spectroscopy and theoretical calculations**  
J. Mink, L. Staiger, M. Muhr, C. Gemel, M. Drees, L. Hajba, J. Mihály, C. Németh, B. V. Lokshin, K. Hemmer, M. Schütz, M. Cokoja, R. A. Fischer  
*J. Raman Spectrosc.* **2021**, 52(12), 2317–2337.
- [129] **Kinetics of Epoxidation of Cyclooctene with Ionic Liquids Containing Tungstate as Micellar Catalyst**  
B. Zehner, W. Korth, F. Schmidt, M. Cokoja, A. Jess  
*Chem. Eng. Technol.* **2021**, 44(12), 2374–2381.
- [128] **Enhanced Hydrogenation Catalytic Activity of Ruthenium Nanoparticles by Solid-Solution Alloying with Molybdenum**  
S. Okazoe, L. Staiger, M. Cokoja, K. Kusada, T. Yamamoto, T. Toriyama, S. Matsumura, H. Kitagawa, R. A. Fischer  
*Eur. J. Inorg. Chem.* **2021**, (12), 1186–1189.
- [127] **Activation of hydrogen peroxide by the nitrate anion in micellar media**  
F. Schmidt, B. Zehner, M. Kaposi, M. Drees, J. Mink, W. Korth, A. Jess, M. Cokoja  
*Green Chem.* **2021**, 23(5), 1965–1971.
- [126] **Supramolecular concepts for the biphasic epoxidation of olefins using aqueous hydrogen peroxide**  
F. Schmidt, M. Cokoja  
*Green Chem.* **2021**, 23(2), 708–722.
- [125] **Defect engineering: an effective tool for enhancing the catalytic performance of copper-MOFs for the click reaction and the A<sup>3</sup> coupling**  
Z. Fan, Z. Wang, M. Cokoja, R. A. Fischer  
*Catal. Sci. Technol.* **2021**, 11(7), 2396–2402.

- [124] **Exploitation of Intrinsic Confinement Effects of MOFs in Catalysis**  
K. Hemmer, M. Cokoja, R. A. Fischer  
*ChemCatChem* **2021**, *13*(7), 1683–1691.
- [123] **Steric and Electronic Effects of Phosphane Additives on the Catalytic Performance of Colloidal Palladium Nanoparticles in the Semi-Hydrogenation of Alkynes**  
L. Staiger, T. Kratky, S. Günther, O. Tomanec, R. Zbořil, R. W. Fischer, R. A. Fischer, M. Cokoja  
*ChemCatChem* **2021**, *13*(1), 227–234.

## 2020

- [122] **Thermal defect engineering of precious group metal–organic frameworks: impact on the catalytic cyclopropanation reaction**  
W. R. Heinz, R. Junk, I. Agirrezabal-Telleria, B. Bueken, H. Bunzen, T. Gözl, M. Cokoja, D. De Vos, R. A. Fischer  
*Catal. Sci. Technol.* **2020**, *10*(23), 8077–8085.
- [121] **Defect Engineering of Copper Paddlewheel-Based Metal–Organic Frameworks of Type NOTT-100: Implementing Truncated Linkers and Its Effect on Catalytic Properties**  
Z. Fan, J. Wang, W. Wang, S. Burger, Z. Wang, Y. Wang, C. Wöll, M. Cokoja, R. A. Fischer  
*ACS Appl. Mater Interfaces* **2020**, *12*(43), 37993–38002.
- [120] **Ionic liquid surfactants as multitasking micellar catalysts for epoxidations in water**  
F. Schmidt, B. Zehner, W. Korth, A. Jess, M. Cokoja  
*Catal. Sci. Technol.* **2020**, *10*(13), 4448–4457.
- [119] **Substantial Turnover Frequency Enhancement of MOF Catalysts by Crystallite Downsizing Combined with Surface Anchoring**  
A. L. Semrau, P. M. Stanley, A. Urstoeger, M. Schuster, M. Cokoja, R. A. Fischer  
*ACS Catal.* **2020**, *10*(5), 3203–3211.

## 2019

- [118] **Determination of the Critical Micelle Concentration of Imidazolium Ionic Liquids in Aqueous Hydrogen Peroxide**  
B. Zehner, F. Schmidt, W. Korth, M. Cokoja, A. Jess  
*Langmuir* **2019**, *35*(49), 16297–16303.
- [117] **Generation and Stabilization of Small Platinum Clusters Pt<sub>12±x</sub> Inside a Metal–Organic Framework**  
K. Kratzl, T. Kratky, S. Günther, O. Tomanec, R. Zbořil, J. Michalička, J. M. Macak, M. Cokoja, R. A. Fischer  
*J. Am. Chem. Soc.* **2019**, *141*(35), 11594–11602.
- [116] **Network topology and cavity confinement-controlled diastereoselectivity in cyclopropanation reactions catalyzed by porphyrin-based MOFs**  
K. Epp, B. Bueken, B. J. Hofmann, M. Cokoja, K. Hemmer, D. De Vos, R. A. Fischer  
*Catal. Sci. Technol.* **2019**, *9*(22), 6452–6459.
- [115] **Optimizing the Size of Platinum Nanoparticles for Enhanced Mass Activity in the Electrochemical Oxygen Reduction Reaction**  
B. Garlyyev, K. Kratzl, M. Rück, J. Michalička, J. Fichtner, J. M. Macak, T. Kratky, S. Günther, M. Cokoja, A. S. Bandarenka, A. Gagliardi, R. A. Fischer  
*Angew. Chem. Int. Ed.* **2019**, *58*(28), 9596–9600.
- [114] **Kinetic Model of Two-Phase Epoxidation with Ionic Liquids as Micellar Catalysts**  
J. Schäffer, B. Zehner, W. Korth, M. Cokoja, A. Jess  
*Chem. Eng. Technol.* **2019**, *42*(1), 232–240.

## 2018

- [113] **Dual Site Lewis-Acid MOF Catalysts for CO<sub>2</sub> Fixation: Counteracting Effects of Node Connectivity, Defects and Linker Metalation**  
K. Epp, A. L. Semrau, M. Cokoja, R. A. Fischer  
*ChemCatChem* **2018**, *10*(16), 3506–3512.

## 2017

- [112] **Ionic Liquids as Micellar Agents in Perrhenate-catalysed Olefin Epoxidation**  
J. Schäffer, M. Alber, W. Korth, M. Cokoja, A. Jess  
*ChemistrySelect* **2017**, *2*(35), 11891–11898.
- [111] **Deoxydehydration of vicinal diols and polyols catalyzed by pyridinium perrhenate salts**  
D. S. Morris, K. van Rees, M. Curcio, M. Cokoja, F. E. Kühn, F. Duarte, J. B. Love  
*Catal. Sci. Technol.* **2017**, *7*(23), 5644–5649.
- [110] **Reduction of carbon dioxide and organic carbonyls by hydrosilanes catalysed by the perrhenate anion**  
D. S. Morris, C. Weetman, J. T. C. Wennmacher, M. Cokoja, M. Drees, F. E. Kühn, J. B. Love  
*Catal. Sci. Technol.* **2017**, *7*(13), 2838–2845.
- [109] **High stability of thiol-protected colloidal platinum nanoparticles with reduced ligand coverages in the hydrogenation of 3-hexyne**  
P. Wand, E. Kratzer, U. Heiz, M. Cokoja, M. Tschurl  
*Catal. Commun.* **2017**, *100*, 85–88.
- [108] **N-alkyl ammonium perrhenate salts as catalysts for the epoxidation of olefins under mild conditions**  
M. Cokoja, R. M. Reich, F. E. Kühn

## 2016

- [107] **Iron(II) N-heterocyclic carbene complexes in catalytic one-pot Wittig reactions: Mechanistic insights**  
Ö. Karaca, M. R. Anneser, J. W. Kück, A. C. Lindhorst, M. Cokoja, F. E. Kühn  
*J. Catal.* **2016**, *344*, 213–220.
- [106] **Hydrogen Production and Storage on a Formic Acid/Bicarbonate Platform using Water-Soluble N-Heterocyclic Carbene Complexes of Late Transition Metals**  
D. Jantke, L. Pardatscher, M. Drees, M. Cokoja, W. A. Herrmann, F. E. Kühn  
*ChemSusChem* **2016**, *9*(19), 2849–2854.
- [105] **Functionalization of small platinum nanoparticles with amines and phosphines: Ligand binding modes and particle stability**  
P. Wand, J. D. Bartl, U. Heiz, M. Tschurl, M. Cokoja  
*J. Colloid Interface Sci.* **2016**, *478*, 72–80.
- [104] **Olefin Epoxidation in Aqueous Phase Using Ionic-Liquid Catalysts**  
M. Cokoja, R. M. Reich, M. E. Wilhelm, M. Kaposi, J. Schäffer, D. S. Morris, C. J. Münchmeyer, M. H. Anthofer, I. I. E. Markovits, F. E. Kühn, W. A. Herrmann, A. Jess, J. B. Love  
*ChemSusChem* **2016**, *9*(14), 1773–1776.
- [103] **Binding of molecular oxygen by an artificial heme analogue: investigation on the formation of an Fe-tetracarbene superoxo complex**  
M. R. Anneser, S. Haslinger, A. Pöthig, M. Cokoja, V. D'Elia, M. P. Högerl, J.-M. Basset, F. E. Kühn  
*Dalton Trans.* **2016**, *45*(15), 6449–6455.
- [102] **Toxicity Assessment of Molecular Rhenium(VII) Epoxidation Catalysts**  
M. Cokoja, M. Markiewicz, S. Stolte, F. E. Kühn  
*Encycl. Inorg. Bioinorg. Chem.* **2016**, 1–14.

## 2015

- [101] **Isocyanide substitution reactions at the *trans* labile sites of an iron(II) N-heterocyclic carbene complex**  
S. Haslinger, A. C. Lindhorst, J. W. Kück, M. Cokoja, A. Pöthig, F. E. Kühn  
*RSC Adv.* **2015**, *5*(104), 85486–85493.
- [100] **NHC Versus Pyridine: How "Teeth" Change the Redox Behavior of Iron(II) Complexes**  
D. T. Weiss, M. R. Anneser, S. Haslinger, A. Pöthig, M. Cokoja, J.-M. Basset, F. E. Kühn  
*Organometallics* **2015**, *34*(20), 5155–5166.
- [99] **Formation of Highly-Strained N-Heterocycles via Decomposition of Iron NHC Complexes: The Value of Labile Fe–C Bonds**  
S. Haslinger, J. W. Kück, M. R. Anneser, M. Cokoja, A. Pöthig, F. E. Kühn  
*Chem. Eur. J.* **2015**, *21*(49), 17860–17869.
- [98] **Oxidative degradation of the organometallic iron(II) complex [Fe(bis[3-(pyridin-2-yl)-1*H*-imidazol-1-yl]methane)(MeCN)(PMe<sub>3</sub>)](PF<sub>6</sub>)<sub>2</sub>: Structure of the ligand decomposition product trapped via coordination to iron(II)**  
S. Haslinger, A. Pöthig, M. Cokoja, F. E. Kühn  
*Acta Crystallogr., Sect. C: Struct. Chem.* **2015**, *71*(12), 1096–1099.
- [97] **Fighting Fenton Chemistry: A Highly Active Iron(III) Tetracarbene Complex in Epoxidation Catalysis**  
J. W. Kück, M. R. Anneser, B. Hofmann, A. Pöthig, M. Cokoja, F. E. Kühn  
*ChemSusChem* **2015**, *8*(23), 4056–4063.
- [96] **Structural diversity of late transition metal complexes with flexible tetra-NHC ligands**  
D. T. Weiss, P. J. Altmann, S. Haslinger, C. Jandl, A. Pöthig, M. Cokoja, F. E. Kühn  
*Dalton Trans.* **2015**, *44*(42), 18329–18339.
- [95] **Iron-catalyzed oxidation of unreactive C–H bonds: Utilizing bio-inspired axial ligand modification to increase catalyst stability**  
S. Haslinger, A. Raba, M. Cokoja, A. Pöthig, F. E. Kühn  
*J. Catal.* **2015**, *331*, 147–153.
- [94] **Structure and spectroscopic properties of the dimeric copper(I) N-heterocyclic carbene complex [Cu<sub>2</sub>(CNC<sup>t</sup>Bu)<sub>2</sub>](PF<sub>6</sub>)<sub>2</sub>**  
K. Rienecker, A. Pöthig, M. Cokoja, W. A. Herrmann, F. E. Kühn  
*Acta Crystallogr., Sect. C: Struct. Chem.* **2015**, *71*(8), 643–646.
- [93] **Immobilisation of a molecular epoxidation catalyst on UiO-66 and -67: the effect of pore size on catalyst activity and recycling**  
M. Kaposi, M. Cokoja, C. H. Hutterer, S. A. Hauser, T. Kaposi, F. Klappenberger, A. Pöthig, J. V. Barth, W. A. Herrmann, F. E. Kühn  
*Dalton Trans.* **2015**, *44*(36), 15976–15983.
- [92] **Aryl-substituted organomolybdenum(II) complexes as olefin epoxidation catalysts**  
L. Graser, R. M. Reich, M. Cokoja, A. Pöthig, F. E. Kühn  
*Catal. Sci. Technol.* **2015**, *5*(10), 4772–4777.
- [91] **Influence of substituents on the cation-anion contacts in imidazolium perchlorates**  
R. M. Reich, M. Cokoja, I. I. E. Markovits, C. J. Münchmeyer, M. Drees, M. Kaposi, A. Pöthig, W. A. Herrmann, F. E. Kühn  
*Dalton Trans.* **2015**, *44*(18), 8669–8677.
- [90] **Catalytically active perchlorate based ionic liquids: A preliminary ecotoxicity and biodegradability assessment**  
H. B. T. Thu, M. Markiewicz, J. Thöming, R. M. Reich, V. Korinth, M. Cokoja, F. E. Kühn, S. Stolte  
*New J. Chem.* **2015**, *39*(7), 5341–5346.
- [89] **Synthesis of Cyclic Carbonates from Epoxides and Carbon Dioxide by Using Organocatalysts**  
M. Cokoja, M. E. Wilhelm, M. H. Anthofer, W. A. Herrmann, F. E. Kühn

- [88] **Catalytic epoxidation by perrhenate through the formation of organic-phase supramolecular ion pairs**  
M. Cokoja, I. I. E. Markovits, M. H. Anthofer, S. Poplata, A. Pöthig, D. S. Morris, P. A. Tasker, W. A. Herrmann, F. E. Kühn, J. B. Love  
*Chem. Commun.* **2015**, *51*(16), 3399–3402.
- [87] **Synthesis and Characterization of an Iron Complex Bearing a Cyclic Tetra-NHC Ligand: An Artificial Heme Analogue?**  
M. R. Anneser, S. Haslinger, A. Pöthig, M. Cokoja, J.-M. Basset, F. E. Kühn  
*Inorg. Chem.* **2015**, *54*(8), 3797–3804.
- [86] **Influence of structural and electronic properties of organomolybdenum(II) complexes of the type [CpMo(CO)<sub>3</sub>R] and [CpMo(O<sub>2</sub>)(O)R] (R = Cl, CH<sub>3</sub>, CF<sub>3</sub>) on the catalytic olefin epoxidation**  
S. A. Hauser, R. M. Reich, J. Mink, A. Pöthig, M. Cokoja, F. E. Kühn  
*Catal. Sci. Technol.* **2015**, *5*(4), 2282–2289.
- [85] **Application of Open Chain Tetraimidazolium Salts as Precursors for the Synthesis of Silver Tetra(NHC) complexes**  
D. T. Weiss, S. Haslinger, C. Jandl, A. Pöthig, M. Cokoja, F. E. Kühn  
*Inorg. Chem.* **2015**, *54*(2), 415–417.
- [84] **Preliminary toxicity and ecotoxicity assessment of methyltrioxorhenium and derivatives**  
S. Steudte, H. Bui Thi Thu, V. Korinth, J. Arning, A. Białk-Bielińska, U. Bottin-Weber, M. Cokoja, A. Hahlbrock, V. Fetz, R. Stauber, B. Jastorff, C. Hartmann, R. W. Fischer, F. E. Kühn, S. Stolte  
*Green Chem.* **2015**, *17*(2), 1136–1144.
- [83] **Hydroxy-Functionalized Imidazolium Bromides as Catalysts for the Cycloaddition of CO<sub>2</sub> and Epoxides to Cyclic Carbonates**  
M. H. Anthofer, M. E. Wilhelm, M. Cokoja, M. Drees, W. A. Herrmann, F. E. Kühn  
*ChemCatChem* **2015**, *7*(1), 94–98.
- [82] **Epoxidation of Olefins with Molecular Catalysts in Ionic Liquids**  
C. J. Münchmeyer, L. Graser, I. I. E. Markovits, M. Cokoja, F. E. Kühn  
*Top. Organomet. Chem.* **2015**, *51*(2), 185–235.

## 2014

- [81] **Efficient epoxidation of propene using molecular catalysts**  
I. I. E. Markovits, M. H. Anthofer, H. Kolding, M. Cokoja, A. Pöthig, A. Raba, W. A. Herrmann, R. Fehrmann, F. E. Kühn  
*Catal. Sci. Technol.* **2014**, *4*(11), 3845–3849.
- [80] **Ion Pairs of Weakly Coordinating Cations and Anions: Synthesis and Application for Oxidation Sulfide to Sulfoxide Oxidations**  
B. Zhang, S. Li, M. Cokoja, E. Herdtweck, J. Mink, S.-L. Zang, W. A. Herrmann, F. E. Kühn  
*Z. Naturforsch., B: J. Chem. Sci.* **2014**, *69*(11/12), 1149–1163.
- [79] **On the Concept of Hemilability: Insights into a Donor-Functionalized Iridium(I) NHC Motif and Its Impact on Reactivity**  
K. Riemer, M. J. Bitzer, A. Pöthig, A. Raba, M. Cokoja, W. A. Herrmann, F. E. Kühn  
*Inorg. Chem.* **2014**, *53*(24), 12767–12777.
- [78] **Making Oxidation Potentials Predictable: Coordination of Additives Applied to the Electronic Fine Tuning of an Fe(II) Complex**  
S. Haslinger, J. W. Kück, E. M. Hahn, M. Cokoja, A. Pöthig, J.-M. Basset, F. E. Kühn  
*Inorg. Chem.* **2014**, *53*(21), 11573–11583.
- [77] **Synthesis, Characterization and Reactivity of Furan- and Thiophene-Functionalized Bis(N-heterocyclic carbene) Complexes of Fe(II)**  
J. Rieb, A. Raba, S. Haslinger, A. Pöthig, M. Cokoja, J.-M. Basset, F. E. Kühn  
*Inorg. Chem.* **2014**, *53*(18), 9598–9606.
- [76] **Synthesis and characterization of novel cyclopentadienyl molybdenum imidazo[1,5-a]pyridine-3-ylidene complexes and their application in olefin epoxidation catalysis**  
A. Schmidt, N. Grover, T. K. Zimmermann, L. Graser, M. Cokoja, A. Pöthig, F. E. Kühn  
*J. Catal.* **2014**, *319*, 119–126.
- [75] **Catalytic hydroxylation of benzene and toluene by an iron complex bearing a chelating di-pyridyl-di-NHC ligand**  
A. Raba, M. Cokoja, W. A. Herrmann, F. E. Kühn  
*Chem. Commun.* **2014**, *50*(78), 11454–11457.
- [74] **Epoxidation of Olefins Catalyzed by a Molecular Iron NHC Complex: Influence of Reaction Parameters on the Catalytic Activity**  
J. W. Kück, A. Raba, I. I. E. Markovits, M. Cokoja, F. E. Kühn  
*ChemCatChem* **2014**, *6*(7), 1882–1886.
- [73] **Dynamics of the NbCl<sub>5</sub>-Catalyzed Cycloaddition of Propylene Oxide and CO<sub>2</sub>: Assessing the Dual Role of the Nucleophilic Co-Catalysts**  
V. D'Elia, A. A. Ghani, A. Monassier, J. Sofack-Kreutzer, J. D. A. Pelletier; M. Drees, M. Cokoja, J.-M. Basset, F. E. Kühn  
*Chem. Eur. J.* **2014**, *20*(37), 11870–11882.
- [72] **Nucleophile-directed selectivity towards linear carbonates in the niobium pentaethoxide-catalysed cycloaddition of CO<sub>2</sub> and propylene oxide**  
B. Dutta, J. Sofack-Kreutzer, A. A. Ghani, V. D'Elia, J. D. A. Pelletier, M. Cokoja, F. E. Kühn, J.-M. Basset  
*Catal. Sci. Technol.* **2014**, *4*(6), 1534–1538.
- [71] **Niobium(V) chloride and imidazolium bromides as efficient dual catalyst systems for the cycloaddition of carbon dioxide and propylene oxide**  
M. E. Wilhelm, M. H. Anthofer, R. M. Reich, V. D'Elia, J.-M. Basset, W. A. Herrmann, M. Cokoja, F. E. Kühn  
*Catal. Sci. Technol.* **2014**, *4*(6), 1638–1643.
- [70] **Cycloaddition of CO<sub>2</sub> and epoxides catalyzed by imidazolium bromides under mild conditions: influence of the cation on catalyst activity**

M. H. Anthofer, M. E. Wilhelm, M. Cokoja, I. I. E. Markovits, A. Pöthig, J. Mink, W. A. Herrmann, F. E. Kühn  
*Catal. Sci. Technol.* **2014**, *4*(6), 1749–1758.

- [69] **Cycloaddition of Carbon Dioxide and Epoxides using Pentaerythritol and Halides as Dual Catalyst System**  
M. E. Wilhelm, M. H. Anthofer, M. Cokoja, I. I. E. Markovits, W. A. Herrmann, F. E. Kühn  
*ChemSusChem* **2014**, *7*(5), 1357–1360.
- [68] **Chemistry of Iron *N*-Heterocyclic Carbene Complexes: Syntheses, Structures, Reactivities, and Catalytic Applications**  
K. Riener, S. Haslinger, A. Raba, M. P. Högerl, M. Cokoja, W. A. Herrmann, F. E. Kühn  
*Chem. Rev.* **2014**, *114*(10), 5215–5272.
- [67] **Cleavage of C–O Bonds in Lignin Model Compounds Catalyzed by Methylidioxorhenium in Homogeneous Phase**  
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- [66] **Valorization of Carbon Dioxide to Organic Products with Organocatalysts**  
M. H. Anthofer, M. E. Wilhelm, M. Cokoja, F. E. Kühn  
*Transformation and Utilization of Carbon Dioxide* (Series: Green Chemistry and Sustainable Technology, Eds.: B. M. Bhanage, M. Arai), Springer **2014**, 3–37.
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S. Huber, M. Cokoja, F. E. Kühn  
*J. Organomet. Chem.* **2014**, *751*, 25–32.

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- [64] **Liberation of methyl acrylate from metallalactone complexes via M–O ring opening (M = Ni, Pd) with methylation agents**  
S. Y. T. Lee, A. A. Ghani, V. D'Elia, M. Cokoja, M. Drees, W. A. Herrmann, J.-M. Basset, F. E. Kühn  
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