

- Hydrido Complexes of Calcium: A New Family of Molecular Alkaline Earth Metal Compounds.  
Mukherjee, D.; Schuhknecht, D.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2018**, *57*, xxxx–xxxx; *Angew. Chem.* **2018**, *130*, xxxx–xxxx. DOI: 10.1002/anie.201801869 / ange.201801869
- Carbonite, the Dianion of Carbon Dioxide and Its Metal Complexes.  
Paparo, A.; Okuda, J.  
*J. Organomet. Chem.* **2018**, *xxx*, xxx–xxx. DOI: 10.1016/j.jorganchem.2017.10.005
315. Cavity Size Engineering of a  $\beta$ -Barrel Protein generates Efficient Biohybrid Catalysts for Olefin Metathesis.  
Grimm, A.; Sauer, D. F.; Davari, M. D.; Zhu, L.; Bocola, M.; Kato, S.; Onoda, A.; Hayashi, T.; Okuda, J.; Schwaneberg, U.  
*ACS Catalysis* **2018**, *8*, 3358–3364. DOI:10.1021/acscatal.7b03652
314. A Monoanionic NNNN-Type Macrocyclic Ligand for Electropositive Metal Centers. (Invited Feature Article)  
Mukherjee, D.; Okuda, J.  
*Chem. Commun.* **2018**, *54*, 2701–2714. DOI: 10.1039/C7CC09798K
313. A Whole Cell *E. coli* Display Platform for Artificial Metalloenzymes: Polyphenylacetylene Production with a Rhodium-Nitrobindin Metalloprotein.  
Grimm, A.; Sauer, D. F.; Polen, T.; Zhu, L.; Hayashi, T.; Okuda, J.; Schwaneberg, U.  
*ACS Catalysis* **2018**, *8*, 2611–2614. DOI:10.1021/acscatal.7b04369
312. Formate Complexes of Titanium(IV) Supported by a Triamido-Amine Ligand.  
Paparo, A.; van Kruechten, F. D.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2018**, *47*, 3530–3537. DOI: 10.1039/C7DT04859A
311. Lanthanide Complexes Supported by a Trizinc-crown Ether as Catalysts for Alternating Copolymerization of Epoxide and CO<sub>2</sub>: Telomerization Controlled by Carboxylate Anions.  
Nagae, H.; Aoki, R.; Akutagawa, S.; Kleemann, J.; Tagawa, R.; Schindler, T.; Choi, G.; Spaniol, T. P.; Tsurugi, H.; Okuda, J.; Mashima, K.  
*Angew. Chem. Int. Ed.* **2018**, *57*, 2492–2496; *Angew. Chem.* **2018**, *130*, 2518–2522. DOI: 10.1002/anie.201709218 / ange.201709218
310. The Nature of the Heavy Alkaline Earth Metal–Hydrogen Bond: Synthesis, Structure, and Reactivity of a Cationic Strontium Hydride Cluster.  
Mukherjee, D.; Höllerhage, T.; Leich, V.; Spaniol, T. P.; Englert, U.; Maron, L.; Okuda, J.  
*J. Am. Chem. Soc.* **2018**, *140*, 3403–3411. DOI:10.1021/jacs.7b13796
309. Zinc Dihydride and Mixed Halo Hydrides Supported by an N-Heterocyclic Carbene.  
Rit, A.; Wiegand, A.-K.; Mukherjee, D.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2018**, 1114–1118. DOI: 10.1002/ejic201701425
308. Molecular Magnesium Hydrides.  
Mukherjee, D.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2018**, *57*, 1458–1473; *Angew. Chem.* **2018**, *130*, 1472–1488. DOI: 10.1002/anie.201708592 / ange.201708592
307. Silyl-Hydrosilane Exchange at a Magnesium Triphenylsilyl Complex Supported by a Cyclen-Derived NNNN-Type Macrocyclic Ligand.  
Lemmerz, L. E.; Leich, V.; Martin, D.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2017**, *56*, 14979–14990. DOI 10.1021/acs.inorgchem.7b02233

306. Mononuclear Alkali Metal Organoperoxides Stabilized by an NNNN-Macrocyclic and Short Hydrogen Bonds from ROOH Molecules.  
Osseili, H.; Truong, K.-N.; Spaniol, T. P.; Mukherjee, D.; Englert, U.; Okuda, J.  
*Chem.–Eur. J.* **2017**, *23*, 17213–17216. DOI: 10.1002/chem.201704758
305. Ligand Influence on the Carbonyl Hydroboration Catalysis by Alkali Metal Hydridotriphenylborates [(L)M][HBPh<sub>3</sub>] (M = Li, Na, K). (Hot Paper)  
Osseili, H.; Mukherjee, D.; Spaniol, T. P.; Okuda, J.  
*Chem.–Eur. J.* **2017**, *23*, 14292–14298. DOI: 10.1002/chem.201702818
304. 2-Methyl-2,4-pentanediol (MPD) Boosts as Detergent-Substitute the Performance of β-Barrel Hybrid Catalyst for Phenylacetylene Polymerization.  
Kinzel, J. Sauer, D. F.; Bocola, M.; Arlt, M.; Garakani, T. M.; Thiel, A.; Beckerle, K.; Polen, T.; Okuda, J.; Schwaneberg, U.  
*Beilstein J. Org. Chem.* **2017**, *13*, 1498-1506. DOI: 10.3762/bjoc.13.148
303. Calcium Hydride Cation [CaH]<sup>+</sup> Stabilized by an NNNN-type Macrocyclic Ligand: Selective Catalyst for Olefin Hydrogenation. (Very Important Paper)  
Schuhknecht, D.; Lhotzky, C.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2017**, *56*, 12367–12371; *Angew. Chem.* **2017**, *129*, 12539–12543. DOI: 10.1002/anie.201706848; 10.1002/ange.201706848
302. Group 2 Metal (Mg, Ca, Sr) Silylamides Supported by a Cyclen-Derived Macrocyclic Polyamine.  
Mukherjee, D.; Shirase, S.; Beckerle, K.; Mashima, K.; Okuda, J.  
*Dalton Trans.* **2017**, *46*, 8451–8457. DOI: 10.1039/C7DT01727H
301. Facile Ring-Opening of THF at Lithium Induced By a Pendant Si-H Bond and BPh<sub>3</sub>.  
Mukherjee, D.; Osseili, H.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2017**, *46*, 8017–8021. DOI: 10.1039/C7DT01671A
300. Me<sub>6</sub>TREN-Supported Alkali Metal Hydridotriphenylborates [(L)M][HBPh<sub>3</sub>] (M = Li, Na, K): Synthesis, Structure, and Reactivity. (Invited cover page)  
Osseili, H.; Mukherjee, D.; Beckerle, K.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2017**, *36*, 3029–3034. DOI: 10.1021/acs.organomet.7b00308
299. Zinc Hydridotriphenylborates Supported by a Neutral Macrocyclic Polyamine.  
Mukherjee, D.; Wiegand, A.-K.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2017**, *46*, 6183–6186. DOI: 10.1039/C7DT01094j
298. Supported Molybdenum Catalysts for the Deoxydehydration of Diols.  
Sandbrink, L.; Beckerle, K.; Meiners, I.; Okuda, J.; Palkovits, R.  
*ChemSusChem* **2017**, *10*, 1375-1379. DOI: 10.1002/cssc.201700010
297. Cationic Hydrides of the Rare Earth Metals.  
Okuda, J.  
*Coord. Chem. Rev.* **2017**, *340*, 2–9. DOI: 10.1016/j.ccr.2016.09.009
296. Ring-Opening of Cyclic Ethers by Aluminum Hydridotriphenylborate.  
Mukherjee, D.; Osseili, H.; Truong, K.-N.; Spaniol, T. P.; Okuda, J.  
*Chem. Commun.* **2017**, *53*, 3493–3496. DOI: 10.1039/C7CC01159H
295. Molecular Magnesium Hydrides Supported by an Anionic Triazacyclononane-Type Ligand.  
Schnitzler, S.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2017**, *46*, 1761–1765. DOI: 10.1039/C6DT04654A

294. Carbon Dioxide Complexes: Bonding Modes and Synthetic Methods.  
Paparo, A.; Okuda, J.  
*Coord. Chem. Rev.* **2017**, *334*, 136–149. DOI: 10.1016/j.ccr.2016.06.005
293. Unexpected Alkane Elimination from Cationic Group 13 Dialkyls in Reaction with a Macrocyclic Polyamine.  
Mukherjee, D.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2017**, *46*, 651–655. DOI: 10.1039/C6DT04379H
292. Microgels Based on Isotactic Poly(styrene): Synthesis and Characterization.  
Tschage, M.; Beckerle, K.; Rahimi, K.; Jung, S.; Chang, S. S. H.; Stellbrink, J.; Okuda, J.  
*J. Polym. Sci.* **2017**, *55*, 175–180. DOI: 10.1002/pola.28370
- Ferrocene – 65 Years After (Essay).  
Okuda, J.  
*Eur. J. Inorg. Chem.* **2017**, 217–219. DOI: 10.1002/ejic201601323
291. Complexation in Weakly Attractive Copolymers with Varying Composition and Topology: Linking Fluorescence Experiments and Molecular Monte Carlo Simulations.  
Hebbeker, P.; Steinschulte, A.; Schneider, S.; Okuda, J.; Moeller, M.; Plamper, F.; Schneider, S.  
*Macromolecules* **2016**, *49*, 8748–8757. DOI: 10.1021/acs.macromol.6b01786
290. Reactivity of a Molecular Magnesium Hydride Featuring a Terminal Magnesium-Hydrogen Bond.  
Schnitzler, S.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2016**, *55*, 12997–13006. DOI 10.1021/acs.inorgchem.6b02509
289. Zinc Bis(triphenylsilyl) Stabilized by N-Heterocyclic Carbene.  
Lemmerz, L. E.; Spaniol, T. P.; Okuda, J.  
*Z. Anorg. Allg. Chem.* **2016**, *642*, 1269–1274. DOI: 10.1002/zaac.201600280
288. Magnesium Hydridotriphenylborate [Mg(thf)<sub>6</sub>][HBPh<sub>3</sub>]<sub>2</sub>: A Versatile Hydroboration Catalyst.  
Mukherjee, D.; Shirase, S.; Mashima, K.; Okuda, J.  
*Chem. Commun.* **2016**, *52*, 13155–13158. DOI: 10.1039/C6CC06805G
287. Chemoselective Reduction of Tertiary Amides to Amines Catalyzed by Triphenylborane.  
Mukherjee, D.; Shirase, S.; Mashima, K.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2016**, *55*, 13326–13329; *Angew. Chem.* **2016**, *128*, 13520–13523. DOI: 10.1002/anie.201605236; 10.1002/ange.20160523
286. Metataseases: Artificial Metalloproteins for Olefin Metathesis. (Invited cover page)  
Sauer, D. F.; Gotzen, S.; Okuda, J.  
*Org. Biomol. Chem.* **2016**, *14*, 9174–9183. DOI: 10.1039/C6OB01475E
285. Molecular Zinc Hydrides.  
Wigand, A.-K.; Rit, A.; Okuda, J.  
*Coord. Chem. Rev.* **2016**, *314*, 71–82. DOI: 10.1016/j.ccr.2015.08.010
284. Bis(phenolato)molybdenum Complexes as Catalyst Precursors for the Deoxydehydration of Biomass-Derived Polyols.  
Beckerle, K.; Spaniol, T. P.; Okuda, J.  
*Polyhedron* **2016**, *116*, 105–110. DOI: 10.1016/j.poly.2016.03.053

283. Alkali Metal Hydridotriphenylborates [(L)M][HBPh<sub>3</sub>] (M = Li, Na, K): Chemoselective Catalysts for Carbonyl and CO<sub>2</sub> Hydroboration.  
Mukherjee, D.; Osseili, H.; Spaniol, T. P.; Okuda, J.  
*J. Am. Chem. Soc.* **2016**, *138*, 10790–10793. DOI:10.1021/jacs.6b06319
282. Artificial Diels-Alderase Based on the Transmembrane Protein FhuA.  
Osseili, H.; Sauer, D. F.; Beckerle, K.; Arlt, M.; Himiyama, T.; Polen, T.; Onoda, A.; Schwaneberg, U.; Hayashi, T.; Okuda, J.  
*Beilstein J. Org. Chem.* **2016**, *12*, 1314–1321. DOI: 10.3762/bjoc.12.124
281. Remarkably Selective Hydrosilylation of CO<sub>2</sub> Catalyzed by Triphenylborane in Highly Polar, Aprotic Solvents.  
Mukherjee, D.; Sauer, D. F.; Zanardi, A.; Okuda, J.  
*Chem.–Eur. J.* **2016**, *22*, 7730–7733. DOI: 10.1002/chem.201601006
280. Construction of a Hybrid Biocatalyst Containing a Covalently Linked Terpyridine Metal Complex within a Cavity of Aponitrobindin.  
Himiyama, T.; Sauer, D. F.; Onoda, A.; Spaniol, T. P.; Okuda, J.; Hayashi, T.  
*J. Inorg. Biol. Chem.* **2016**, *158*, 55–61. DOI: 10.1016/j.jinorgbio.2015.12.026
279. Potassium-Catalyzed Hydrosilylation of Activated Olefins: Evidence for Silyl Migration Mechanism.  
Leich, V.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2016**, *35*, 1179–1182. DOI: 10.1021/acs.organomet.6b00160
278. Lanthanum Complexes Containing a Bis(phenolate) Ligand with a Ferrocene-1,1'-diylidithio Backbone: Synthesis, Characterization, and Ring-opening Polymerization of *rac*-Lactide.  
Hermans, C.; Rong, W.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2016**, *45*, 8127–8133. DOI: 10.1039/c6dt00272b
277. Reversible Transformation Between Alkylidene, Alkylidyne, and Vinylidene Ligands in High-Valent Bis(phenolate) Tungsten Complexes.  
Nishiyama, H.; Yamamoto, K.; Sauer, A.; Ikeda, H.; Spaniol, T. P.; Tsurugi, H.; Mashima, K.; Okuda, J.  
*Organometallics* **2016**, *35*, 932–935. DOI: 10.1021/acs.organomet.5b00855
276. Molecular Calcium Hydride: Dicalcium Trihydride Cation Stabilized by a Neutral NNNN-Type Macrocyclic Ligand.  
Leich, V.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2016**, *55*, 4794–4797; *Angew. Chem.* **2016**, *128*, 4872–4976. DOI: 10.1002/anie.201600552
275. Channel Protein FhuA as a Promising Biomolecular Scaffold for Bioconjugates.  
Zhu, L.; Arlt, M.; Liu, H.; Bocola, M.; Sauer, D. F.; Gotzen, S.; Okuda, J.; Schwaneberg, U.  
*RSC Smart Materials* **2015**, *16*, 57–72. (Bio-Synthetic Hybrid Materials and Bionanoparticles)
274. A Highly Active Biohybrid Catalyst for Olefin Metathesis in Water: The Impact of a Hydrophobic Cavity in a  $\beta$ -Barrel Protein.  
Sauer, D. F.; Himiyama, T.; Tachikawa, K.; Fukumoto, K.; Onoda, A.; Mizohata, E.; Inoue, T.; Bocola, M.; Schwaneberg, U.; Hayashi, T.; Okuda, J.  
*ACS Catalysis* **2015**, *5*, 7519–7522.
273. Formation of  $\alpha$ -[KSiH<sub>3</sub>] by Hydrogenolysis of Potassium Triphenylsilyl.  
Leich, V.; Spaniol, T. P.; Okuda, J.  
*Chem. Commun.* **2015**, *51*, 14772–14774.

272. Yttrium Dihydride Cation  $[\text{YH}_2(\text{THF})_2]^+_n$ : Aggregate Formation and Reaction with (NNNN)-Type Macrocycles.  
Arndt, S.; Kramer, M. U.; Fegler, W.; Nakajima, Y.; Del Rosal, I.; Poteau, R.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Organometallics* **2015**, *34*, 3739–3747.
271. Formation and Reactivity of a Molecular Magnesium Hydride with a Terminal Mg-H Bond.  
Schnitzler, S.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Chem.–Eur. J.* **2015**, *21*, 11330–11334.
270. A Dimetalloxy carbene Bonding Mode and Reductive Coupling Mechanism for Oxalate Formation from  $\text{CO}_2$ .  
Paparo, A.; da Silvia, J. S.; Kefalidis, C. E.; Spaniol, T. P.; Maron, L.; Okuda, J.; Cummins, C. C.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 9115–9119; *Angew. Chem.* **2015**, *127*, 9243–9247.
269. Neutral and Cationic Zirconium Hydrides Supported by a Dianionic (NNNN)-Type Macrocyclic Ligand.  
Kulinna, H.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2015**, *34*, 2160–2164.
268. Formation of a Cationic Calcium Hydride Cluster with a “Naked” Triphenylsilyl Anion by Hydrogenolysis of Bis(triphenylsilyl)calcium.  
Leich, V.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2015**, *54*, 4927–4933.
267. Discrete Magnesium Hydride Aggregates: A Cationic  $\text{Mg}_{13}\text{H}_{18}$  Cluster Stabilized by NNNN Type Macrocycles.  
Martin, D.; Beckerle, K.; Schnitzler, S.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 4115–4118; *Angew. Chem.* **2015**, *127*, 4188–4191.
266. Polymerization of Norbornene Using Chiral Bis(phenolate) Zirconium Catalysts.  
Tschage, M.; Jung, S.-W.; Spaniol, T. P.; Okuda, J.  
*Macromol. Rapid Commun.* **2015**, *36*, 219–223.
265. Hybrid Ruthenium ROMP Catalysts based on an Engineered Variant of  $\beta$ -Barrel Protein FhuA  $\Delta\text{CVFtev}$ : Effect of Spacer Length.  
Sauer, D. F.; Bocola, M.; Broglia, C.; Arlt, M.; Zhu, L.-L.; Brocker, M.; Schwaneberg, U.; Okuda, J.  
*Chem. Asian J.* **2015**, *10*, 177–182.
264. Molecular Rare-Earth Metal Hydrides in Non-Cyclopentadienyl Environments.  
Fegler, W.; Venugopal, A.; Kramer, M.; Okuda, J.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 1724–1736; *Angew. Chem.* **2015**, *127*, 1744–1757.
263. A Cationic Zinc Hydride Cluster Stabilized by an N-Heterocyclic Carbene: Synthesis, Reactivity, and Hydrosilylation Catalysis.  
Rit, A.; Zanardi, A.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Angew. Chem.* **2014**, *126*, 13489–13493; *Angew. Chem. Int. Ed.* **2014**, *53*, 13273–13277.
262. Living Polymerization by Bis(phenolate) Zirconium Catalysts: Synthesis of Isotactic Polystyrene-*block*-Polybutadiene Copolymers.  
Hohberger, C.; Spaniol, T. P.; Okuda, J.  
*Macromol. Chem. Phys.* **2014**, *215*, 2001–2006.

261. Crown Ether Adducts of Light Alkali Metal Triphenylsilyls: Synthesis, Structure and Hydrosilylation Catalysis.  
Leich, V.; Lamberts, K.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2014**, *43*, 14315–14321.
260. Zirconium Complexes of Phenylene-Bridged {ONSO} Ligands: Coordination Chemistry and Stereoselective Polymerization of *rac*-Lactide.  
Stopper, A.; Press, K.; Okuda, J.; Goldberg, I.; Kol, M.  
*Inorg. Chem.* **2014**, *53*, 9140–9150.
259. Mixed Alkyl Hydrido Complexes of Zinc: Synthesis, Structure, and Reactivity.  
Rit, A.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2014**, *33*, 2039–2047.
258. Unimolecular Micelles Based on Miktoarm Stars: Differences in Micellization between PEO-(PDMAEMA)<sub>3</sub>-PPO Stars and Their Corresponding Diblock Copolymers.  
Steinschulte, A. A.; Schulte, B.; Rütten, S.; Eckert, T.; Okuda, J.; Möller, M.; Schneider, S.; Borisov, O. V.; Felix A. Plamper, F. A.  
*Phys. Chem. Chem. Phys.* **2014**, *16*, 4917–4932.
257. Hydrosilylation Catalysis by Earth Alkaline Metal Silyl: Synthesis, Characterization, and Reactivity of Bis(triphenylsilyl)calcium.  
Leich, V.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Chem. Commun.* **2014**, *50*, 2311–2314.
256. An Ion Pair Scandium Hydride Supported by a Dianionic (NNNN)-Type Macrocyclic Ligand.  
Cui, P.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Chem. Commun.* **2014**, *50*, 424–426.
255. Dinuclear Zinc Hydride Supported by an Anionic Bis(N-Heterocyclic Carbene) Ligand.  
Rit, A.; Spaniol, T. P.; Okuda, J.  
*Chem. Asian J.* **2014**, *9*, 612–619.
254. Ring-Opening Polymerization of *rac*- and *meso*-Lactide Initiated by Indium Bis(phenolate) Isopropoxy Complexes.  
Kapelski, A.; Okuda, J.  
*J. Polym. Sci. Part A: Polym. Chem.* **2013**, *51*, 4983–4991.
253. A Hybrid Ring-Opening Metathesis Polymerization Catalyst Based on an Engineered Variant of the  $\beta$ -Barrel Protein, FhuA.  
Philippart, F.; Arlt, M.; Gotzen, S.; Tenne, S.-J.; Bocola, M.; Chen, H.-H.; Zhu, L.; Schwaneberg, U.; Okuda, J.  
*Chem.–Eur. J.* **2013**, *19*, 13865–13871.
252. Dehydrogenation of Amine-Borane Me<sub>2</sub>NH·BH<sub>3</sub> Catalyzed by A Lanthanum Hydride Complex.  
Cui, P.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Chem.–Eur. J.* **2013**, *19*, 13437–13444.
251. A Nondestructive, Statistical Method for Determination of Initiation Efficiency: Dipentaerythritol-Aided Synthesis of Ternary ABC<sub>3</sub> Miktoarm Stars using a Combined “Arm-First” and “Core-First” Approach.  
Steinschulte, A. A.; Rütten, S.; Schulte, B.; Erberich, M.; Eckert, T.; Okuda, J.; Möller, M.; Borisov, O. V.; Plamper, F.

- Polymer Chemistry* **2013**, *4*, 3885–3895.
250. Reversible Dihydrogen Activation in Cationic Rare-Earth Metal Polyhydride Complexes.  
Fegler, W.; Venugopal, A.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Angew. Chem.* **2013**, *125*, 8134–8138; *Angew. Chem. Int. Ed.* **2013**, *52*, 7976–7980.
249. Selective *alpha*-Metalation of THF by a Cationic Zirconium Complex Supported by an (NNNN)-Type Macrocyclic Ligand.  
Kulinna, H.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Chem.–Eur. J.* **2013**, *19*, 9468–9471.
248. Dicationic Lutetium Hydride Complex Stabilized by a *meta*-Cyclophane-Derived (NNNC)-Type Macrocyclic.  
Kulinna, H.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2013**, *744*, 49–52.
247. Hydrido and Allyl/Hydrido Complexes of Early Lanthanides Supported by an (NNNN)-Type Macrocyclic Ligand.  
Martin, D.; Kleemann, J.; Abinet, E.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2013**, 3987–3992.
246. Structurally Well-Defined Group 4 Metal Complexes as Initiators for the Ring-Opening Polymerization of Lactide Monomers.  
Sauer, A.; Kapelski, A.; Fliedel, C.; Dagorne, S.; Kol, M.; Okuda, J.  
*Dalton Trans.* **2013**, *42*, 9007–9023.
245. Structurally Defined Allyl Compounds of Main Group Metals: Coordination and Reactivity.  
Lichtenberg, C.; Okuda, J.  
*Angew. Chem.* **2013**, *125*, 5336–5354; *Angew. Chem. Int. Ed.* **2013**, *52*, 5228–5246.
244. Salt-free Reducing Reagent of Bis(trimethylsilyl)cyclohexadiene Mediates Multi-electron Reduction of Chloride Complexes of W(VI) and W(IV).  
Tsurugi, H.; Tanahashi, H.; Nishiyama, H.; Fegler, W.; Saito, T.; Sauer, A.; Okuda, J.; Mashima, K.  
*J. Am. Chem. Soc.* **2013**, *135*, 5986–5989.
243. Molecular Zinc Dihydride: Stabilization Using N-Heterocyclic Carbenes.  
Rit, A.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2013**, *125*, 4762–4765; *Angew. Chem. Int. Ed.* **2013**, *52*, 4664–4667.
242. Switching the Lactide Polymerization Activity of a Cerium Complex by Redox Reactions.  
Sauer, A.; Buffet, J.-C.; Spaniol, T. P.; Nagae, N.; Mashima, K.; Okuda, J.  
*ChemCatChem* **2013**, 1088–1091.
241. Heterometallic Potassium Rare-Earth Metal Allyl and Hydrido Complexes Stabilized by A Dianionic (NNNN)-Type Macrocyclic Ancillary Ligand.  
Cui, P.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2013**, *32*, 1176–1182.
240. A Hydride-Ligated Dysprosium Single-Molecule Magnet.  
Venugopal, A.; Tuna, F.; Spaniol, T. P.; Ungur, L.; Chibotaru, L. F.; Okuda, J.; Layfield, R. A.  
*Chem. Commun.* **2013**, *49*, 901–903.
239. Cationic, Neutral, and Anionic Allyl Magnesium Compounds: Unprecedented Ligand Conformations and Reactivity toward Unsaturated Hydrocarbons.  
Lichtenberg, C.; Spaniol, T. P.; Peckermann, I.; Hanusa, T.; Okuda, J.

- J. Am. Chem. Soc.* **2013**, *135*, 811–821.
238. Cationic Zirconium Hydrides Supported by an NNNN-Type Macrocyclic Ligand: Synthesis, Structure, and Reactivity.  
Kulinna, H.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Inorg. Chem.* **2012**, *51*, 12462–12472.
237. The Bis(allyl)bismuth Cation: A New Reagent for Direct Allyl Transfer by Lewis Acid Activation and Controlled Radical Polymerization.  
Lichtenberg, C.; Pan, F.; Spaniol, T. P.; Englert, U.; Okuda, J.  
*Angew. Chem.* **2012**, *124*, 13186–13190; *Angew. Chem. Int. Ed.* **2012**, *51*, 13011–13015.
236. Alkaline Earth Metal Complexes of a Chiral Polyether as Initiator for the Ring-Opening Polymerization of Lactide.  
Davin, J. P.; Buffet, J. C.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2012**, *41*, 12612–12618.
235. Dimerization of the Allylzinc Cation: Selective Coupling of Allyl Anions in a Metallo-Ene Reaction.  
Lichtenberg, C.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2012**, *124*, 8225–8229; *Angew. Chem. Int. Ed.* **2012**, *51*, 8101–8105.
234. Allyl Strontium Compounds: Synthesis, Molecular Structure and Properties.  
Jochmann, P.; Davin, J. P.; Maslek, S.; Spaniol, T. P.; Sarazin, Y.; Carpentier, J.-F.; Okuda, J.  
*Dalton Trans.* **2012**, *41*, 9176–9181.
233. Bis(allyl)zinc Revisited: Sigma versus Pi Bonding of Allyl Coordination.  
Lichtenberg, C.; Engel, J.; Spaniol, T. P.; Englert, U.; Raabe, G.; Okuda, J.  
*J. Am. Chem. Soc.* **2012**, *134*, 9805–9811.
232. Synthesis, Characterization, and Lactide Polymerization Activity of Group 4 Metal Complexes Containing Two Bis(phenolate) Ligands.  
Sauer, A.; Buffet, J.-C.; Spaniol, T. P.; Nagae, N.; Mashima, K.; Okuda, J.  
*Inorg. Chem.* **2012**, *51*, 5764–5770.
231. Group 3 Metal Initiators with an (OSSO)-Type Bis(phenolate) Ligand for the Stereoselective Polymerization of Lactide Monomers.  
Kapelski, A.; Buffet, J.-C.; Spaniol, T. P.; Okuda, J.  
*Chem. Asian J.* **2012**, *7*, 1320–1330.
230. Reversible 1,4-Insertion of Pyridine Into A Highly Polar Metal Carbon Bond: Effect of the Second Metal.  
Lichtenberg, C.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*Chem.–Eur. J.* **2012**, *18*, 6448–6452.
229. A Cationic Calcium Hydride Cluster Stabilized by a Cyclen-Derived (NNNN) Macrocyclic Ligand.  
Jochmann, P.; Davin, J.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2012**, *124*, 4528–4531; *Angew. Chem. Int. Ed.* **2012**, *51*, 4452–4455.
228. Layer by Layer Assembly of Partially Sulfonated Isotactic Polystyrene with Poly(vinylamine).  
Ajiro, H.; Beckerle, K.; Okuda, J.; Akashi, M.  
*Langmuir* **2012**, *28*, 5372–5378.



227. Efficient Cyclic Carbonate Synthesis Catalyzed by Zinc Cluster Systems under Mild Conditions.  
Yang, Y.; Fujii, Y.; Hayashi, Y. Nagano, T.; Kita, Y.; Okuda, J.; Ohshima, T.; Mashima, K.  
*Cat. Sci. Tech.* **2012**, *2*, 509–513.
226. Bis(allyl)gallium Cation, Tris(allyl)gallium and Tetrakis(allyl)gallate: Synthesis, Characterization, and Reactivity.  
Lichtenberg, C.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2012**, *51*, 2254–2262.
225. Conversion of Glucose and Cellobiose into 5-Hydroxymethylfurfural (HMF) by Rare Earth Metal Salts in N,N'-Dimethylacetamide (DMA).  
Beckerle, K.; Okuda, J.  
*J. Mol. Cat. A: Chem.* **2012**, *356*, 158–164.
224. Ring-Opening Polymerization of Lactide with Zr complexes of {ONSO} Ligands: From Heterotactically-Inclined to Isotactically-Inclined Poly(Lactic Acid).  
Stopper, A.; Okuda, J.; Kol, M.  
*Macromolecules* **2012**, *45*, 698–704.
223. Rare Earth Metal Allyl and Hydrido Complexes Supported by an (NNNN)-Type Macrocyclic Ligand: Synthesis, Structure and Reactivity Toward Biomass-Derived Furanics.  
Abinet, E.; Martin, D.; Standfuss, S.; Kulinna, H.; Spaniol, T. P.; Okuda, J.  
*Chem.–Eur. J.* **2011**, *17*, 15014–15026.
222. Calcium Mediated Dearomatization, C-H Bond Activation and Allylation of Pyridine Derivatives.  
Jochmann, P.; Leich, V.; Spaniol, T. P.; Okuda, J.  
*Chem.–Eur. J.* **2011**, *17*, 12115–12122.
221. Initiators for the Stereoselective Ring-Opening Polymerization of *meso*-Lactide.  
Buffet, J.-C.; Okuda, J.  
*Polymer Chemistry* **2011**, *2*, 2758–2763.
220. Dihydrogen Addition in a Dinuclear Rare-Earth Metal Hydride Complex Supported by a Metalated TREN Ligand.  
Venugopal, A.; Fegler, W.; Spaniol, T. P.; Maron, L.; Okuda, J.  
*J. Am. Chem. Soc.* **2011**, *133*, 17574–17577.
219. Allyl Complexes of Scandium: Synthesis and Structure of Neutral, Cationic and Anionic Derivatives.  
Standfuss, S.; Abinet, E.; Spaniol, T. P.; Okuda, J.  
*Chem. Commun.* **2011**, 11441–11443.
218. Preparation, Structure, and Ether Cleavage of A Mixed Hapticity Allyl Compound of Calcium.  
Jochmann, P.; Spaniol, T. P.; Chmely, S.C.; Hanusa, T. P.; Okuda, J.  
*Organometallics* **2011**, *30*, 5291–5296.
217. Controlled Stereoselective Polymerization of Lactide Monomers by Group 4 Metal Initiators That Contain a (OSSO)-Type Tetradentate Bis(phenolate) Ligand.  
Buffet, J.-C.; Martin, A.; Kol, M.; Okuda, J.  
*Polymer Chemistry* **2011**, 2378–2384.

216. Alkaline Earth Metal Amide Complexes Containing a Cyclen-Derived (NNNN) Macrocyclic Ligand: Synthesis, Structure and Ring-Opening Polymerization Activity Toward Lactide Monomers.  
Buffet, J.-C.; Davin, J.P.; Spaniol, T. P.; Okuda, J.  
*New J. Chem.* **2011**, *35*, 2253-2257.
215. Reactivity of Tris(allyl)aluminum Towards Pyridine: Coordination versus Carbometalation.  
Lichtenberg, C.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2011**, *30*, 4409-4417.
214. Scandium Alkyl and Amide Complexes Containing a Cyclen-Derived (NNNN) Macrocyclic Ligand: Synthesis, Structure and Ring-Opening Polymerization Activity Toward *meso*-Lactide Monomer.  
Buffet, J.-C.; Okuda, J.  
*Dalton Trans.* **2011**, *40*, 7748-7754.
213. The Allylcalcium Monocation: A New Type of Allyl Ligand in a Non-Bent Coordination Geometry.  
Lichtenberg, C.; Jochmann, P.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2011**, *123*, 5872-5875; *Angew. Chem. Int. Ed.* **2011**, *50*, 5753-5756.
212. Isoselective Styrene Polymerization Catalyzed by ansa-Bis(indenyl) Allyl Rare Earth Complexes. Stereochemical and Mechanistic Aspects.  
Annunziata, L.; Rodrigues, A.-S.; Kirillov, E.; Sarazin, Y.; Okuda, J.; Perrin, L.; Maron, L.; Carpentier, J.-F.  
*Macromolecules* **2011**, *44*, 3312-3322.
211. Tris(allyl) Indium Compounds: Synthesis and Structural Characterization.  
Peckermann, I.; Raabe G.; Spaniol, T. P.; Okuda, J.  
*Chem. Commun.* **2011**, 5061-5063.
210. Allyl Calcium Compounds: Synthesis and Structure of Bis( $\eta^3$ -1-alkenyl)calcium.  
Jochmann, P.; Maslek, S.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2011**, *30*, 1991-1997.
209. Group 4 Metal Initiators for the Controlled Stereoselective Polymerization of Lactide Monomers.  
Buffet, J.-C.; Okuda, J.  
*Chem. Commun.* **2011**, 4796-4798.
208. A Theoretical Study on the Ring-Opening Polymerization of  $\epsilon$ -Caprolactone by  $[\text{YMeX}(\text{THF})_5]^+$  with X =  $\text{BH}_4$ ,  $\text{NMe}_2$ .  
Susperregui, N.; Kramer, M. U.; Maron, L.; Okuda, J.  
*Organometallics* **2011**, *30*, 1326-1333.
207. Active Olefin Hydrosilylation Catalysts Based on Allyl Bis(phenolato) Complexes of the Early Lanthanides.  
Abinet, E.; Spaniol, T. P.; Okuda, J.  
*Chem. Asian J.* **2011**, *6*, 389-391.
206. The Rare-Earth Yttrium Complex  $[\text{YR}(\text{mtbmp})(\text{thf})]$  Triggers Apoptosis via the Extrinsic Pathway and Overcomes Multiple Drug Resistance in Leukemic Cells.  
Lee, S.-Y.; Ilja Peckermann, I.; Abinet, E.; Okuda, J.; Henze, G.; Prokop, A.  
*Med. Oncol.* **2012**, *29*, 235-242.

205. Stereoselective Polymerization of *meso*-Lactide: Syndiotactic Polylactide by Heteroselective Initiators Based on Trivalent Metals.  
Buffet, J.-C.; Kapelski, A.; Okuda, J.  
*Macromolecules* **2010**, *43*, 10201–10203.
204. C-H Bond Activation of N-Heterocyclic Carbene IMes by Rare-Earth Metal Alkyl Complexes.  
Fegler, W.; Saito, T.; Mashima, K.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2010**, *695*, 2794–2797.
203. C-C Coupling Reaction of Pyridine Derivatives at the Dimethyl Rare-Earth Metal Cation [YMe<sub>2</sub>(THF)<sub>5</sub>]<sup>+</sup>: A DFT Investigation.  
Yahia, A.; Kramer, M. U.; Maron, L.; Okuda, J.  
*J. Organomet. Chem.* **2010**, *695*, 2788–2793.
202. Bis(allyl)aluminum Cation, Tris(allyl)aluminum, and Tetrakis(allyl)aluminate: Synthesis, Characterization, and Reactivity.  
Lichtenberg, C.; Robert, D.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2010**, *29*, 5714–5721.
201. Structural Diversity of Indium Complexes Containing a Tetradentate (OSSO)-Type Bis(phenolate) Ligand.  
Peckermann, I.; Dols, T. S.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2010**, *695*, 2325–2328.
200. Insertion of Pyridine into the Calcium Allyl Bond: Regioselective 1,4-Dihydropyridine Formation and C-H Bond Activation.  
Jochmann, P.; Dols, T.; Perrin, L.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2010**, *122*, 7962–7965; *Angew. Chem. Int. Ed.* **2010**, *49*, 7795–7798.
199. Towards Chiral Polystyrene Based Materials: Controlled Polymerization of *p*-(2,2'-Diphenylethyl)styrene.  
Hohberger, C.; Beckerle, K.; Okuda, J.  
*Polymer Chemistry* **2010**, 534–539.
198. Lithiation of a Cyclen-Derived (NNNN) Macrocyclic and its Reaction with *n*-Butyllithium.  
Standfuss, S.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2010**, 2987–2991.
197. Ortho-Metalation of Pyridines by Cationic Yttrium Methyl Complexes.  
Kramer, M. U.; Yahia, A.; Maron, L.; Okuda, J.  
*Compt. Rend.* **2010**, *13*, 626–632.
196. Trimethylsilylmethyl Complexes of the Rare-Earth Metals with Sterically Hindered N-Heterocyclic Carbene Ligands: Adduct Formation and C–H Bond Activation.  
Fegler, W.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2010**, 6774–6779.
195. Hydroxyl-Functionalized Norbornene based Co- and Terpolymers by Scandium Half-Sandwich Catalyst.  
Tritto, I.; Ravasio, A.; Boggioni, L.; Bertini, F.; Hitzbleck, J.; Okuda, J.  
*Macromol. Chem. Phys.* **2010**, *211*, 897–904.
194. Chiral Indium Alkoxide Complexes as Initiators for the Stereoselective Ring-Opening Polymerization of *rac*-Lactide.  
Arnold, P. L.; Okuda, J.; Buffet, J.-C.  
*Inorg. Chem.* **2010**, *49*, 419–426.

193. Titanium Complexes with Sulfur-Linked Bis(phenolate) Ligands.  
Dols, T. S.; Spaniol, T. P.; Okuda, J.  
*Acta Crystallogr., Sect. C.* **2009**, C65, m443–m446.
192. Cationic Allyl Complexes of the Rare-Earth Metals: Synthesis, Characterization, and 1,3-Butadiene Polymerization Catalysis.  
Robert, D.; Abinet, E.; Spaniol, T. P.; Okuda, J.  
*Chem.–Eur. J.* **2009**, *15*, 11937–11947.
191. A Non-PFT Approach to Poly(Ethylene-*co*-Norbornene)/MWNTs Nanocomposites by *In Situ* Copolymerization with Scandium Half-Sandwich Catalyst.  
Ravasio, A.; Boggioni, L.; Tritto, I.; D'Arrigo, C.; Perico, A.; Hitzbleck, J.; Okuda, J.  
*J. Polym. Sci., Part A: Polym. Chem.* **2009**, *47*, 5709–5719.
190. Neutral and Cationic Aluminum Complexes Containing a Chiral (OSSO)-Type Bis(phenolato) Ligand: Synthesis, Structures, and Polymerization Activity.  
Lian, B.; Ma, H.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2009**, 9033–9042.
189. Discrimination of Cryptochirality in Chiral Isotactic Polystyrene by Asymmetric Autocatalysis.  
Kawasaki, T.; Hohberger, C.; Araki, Y.; Hatase, K.; Beckerle, K.; Okuda, J.; Soai, K.  
*Chem. Commun.* **2009**, 5621–5623.
188. Group 4 Metal Complexes Supported by [ONNO]-Type Bis(*o*-aminophenolato) Ligands: Synthesis, Structure, and  $\alpha$ -Olefin Polymerization Activity.  
Meppelder, G.-J. M.; Fan, H. T.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2009**, *28*, 5159–516
187. Synthesis, Structure, and  $\alpha$ -Olefin Polymerization Activity of Titanium Complexes Bearing Asymmetric Tetradentate [OSNO]-Type Bis(phenolato) Ligands.  
Meppelder, G.-J. M.; Fan, H. T.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2009**, *48*, 7378–7388.  
5.
186. Bis(allyl)calcium.  
Jochmann, P.; Dols, T.; Perrin, L.; Maron, L.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2009**, *121*, 5825–5829; *Angew. Chem. Int. Ed.* **2009**, *48*, 5715–5719.
185. Indium Complexes Supported by 1, $\omega$ -Dithiaalkanediy-Bridged Bis(phenolato) Ligands: Synthesis, Structure, and Controlled Ring-Opening Polymerization of L-Lactide.  
Peckermann, I.; Kapelski, A.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2009**, *48*, 5526–5534.
184. A Vanadium(V) Complex with a Tetradentate [OSSO]-Type Bis(phenolato) Ligand: Synthesis, Structure, and Ethylene Polymerization Activity.  
Meppelder, G.-J. M.; Halbach, T. S.; Mülhaupt, R.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2009**, *694*, 1235–1237.
183. Imido and Amido Titanium Complexes that Contain a [OSSO]-Type Bis(phenolato) Ligand: Synthesis, Structures, and Hydroamination Catalysis.  
Lian, B.; Horrillo-Martínez, P.; Hultsch, K. C.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2009**, 429–434.

182. Group 4 Metal Complexes That Contain a Thioether-Functionalized Phenolato Ligand: Synthesis, Structure, and 1-Hexene Polymerization.  
Lian, B.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2009**, 311–316.
181. Copolymerization of Ethylene with Norbornene Catalyzed by Cationic Rare-Earth Metal Half-Sandwich Complexes.  
Ravasio, A.; Zampa, C.; Boggioni, L.; Tritto, I.; Hitzbleck, J.; Okuda, J.  
*Macromolecules* **2008**, *41*, 9565–9569.
180. Cationic Methyl Complexes of the Rare-Earth Metals: An Experimental and Computational Study on Synthesis, Structure, and Reactivity.  
Kramer, M. U.; Robert, D.; Arndt, S.; Zeimentz, P. M.; Spaniol, T. P.; Yahia, A.; Maron, L.; Eisenstein, O.; Okuda, J.  
*Inorg. Chem.* **2008**, *47*, 9265–9278.
179. Neutral and Cationic Trimethylsilylmethyl Complexes of Indium.  
Peckermann, I.; Robert, D.; Englert, U.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2008**, *27*, 4817–4820.
178. Enantiomerically Pure Titanium Complexes Containing a [OSSO]-Type Bis(phenolate) Ligand: Synthesis, Structure and Formation of Optically Active Oligostyrenes.  
Meppelder, G.-J. M.; Beckerle, K.; Manivannan, R.; Lian, B.; Raabe, G.; Spaniol, T. P.; Okuda, J.  
*Chem. Asian J.* **2008**, *3*, 1312–1323.
177. Rare-Earth Metal Alkyl and Hydride Complexes Containing a Thioether-Functionalized Bis(phenolato) Ligand: Efficient Catalysts for Olefin Hydrosilylation.  
Konkol, M.; Malgorozska, M.; Voth, P.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2008**, *27*, 3774–3784.
176. Rare-Earth Metal Alkyl and Hydride Complexes Supported by a Linked Anilido-Cyclopentadienyl Ligand: Synthesis, Structure, and Reactivity.  
Robert, D.; Voth, P.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2008**, 2810–2819.
175. Rare-Earth Metal Alkyl and Hydride Complexes Stabilized by a Cyclen-Derived [NNNN] Macrocyclic Ancillary Ligand.  
Ohashi, M.; Konkol, M.; Del Rosal, I.; Poteaus, R.; Maron, L.; Okuda, J.  
*J. Am. Chem. Soc.* **2008**, *130*, 6920–6921.
174. Neutral and Monocationic Rare-Earth Metal Half-Sandwich Methyl Complexes: Synthesis, Structure, and 1,3-Butadiene Polymerization Catalysis. (Invited cover page)  
Robert, D.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2008**, 2801–2809.
173. Cationic Rare-Earth Metal Bis(tetrahydridoborato) Complexes: Direct Synthesis, Structure and Ring-Opening Polymerisation Activity Toward Cyclic Esters.  
Robert, D.; Kondracka, M.; Okuda, J.  
*Dalton Trans.* **2008**, 2667–2669.
172. Rare-Earth Metal Complexes Supported by 1, $\omega$ -Dithiaalkanediy-Bridged Bis(phenolato) Ligands: Synthesis, Structure, and Heteroselective Ring-Opening Polymerization of *rac*-Lactide.  
Ma, H.; Spaniol, T. P.; Okuda, J.

- Inorg. Chem.* **2008**, *47*, 3328–3339.
171. Molecular Weight and End Group Control of Isotactic Polystyrene Using Olefins and Non-Conjugated Diolefins as Chain Transfer Agents.  
Gall, B.; Pelascini, F.; Ebeling, H.; Beckerle, K.; Okuda, J.; Mühlhaupt, R.  
*Macromolecules* **2008**, *41*, 1627–1633.
  170. Non-Metallocene Hydride Complexes of the Rare Earth Metals.  
Konkol, M.; Okuda, J.  
*Coord. Chem. Rev.* **2008**, *252*, 1577-1591.
  169. Ethylene-Norbornene Copolymerization by Rare-Earth Metal Complexes and by Carbon Nanotube-Supported Metallocene Catalysis.  
Tritto, I.; Boggioni, L.; Ravasio, A.; Zampa, C.; Hitzbleck, J.; Okuda, J.; Bredeau, S.; Dubois P.  
*Macromol. Symp.* **2008**, *260*, 114–121.
  168. A Titanium Ester Enolate Complex Supported By a Tetradentate Bis(phenolato) Ligand: Synthesis, Structure, and Activity in Methacrylate Polymerization.  
Lian, B.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2007**, *26*, 6653–6660.
  167. Isotactic Polystyrene with Controlled Molecular Weight Using Olefins as Chain Transfer Agents.  
Gall, B.; Pelascini, F.; Ebeling, H.; Okuda, J.; Mühlhaupt, R.  
*Polymer Preprints (Am. Chem. Soc., Div. Polym. Chem.)* **2007**, *48*(2), 313–314.
  166. Cationic Aryl Complexes of the Rare-Earth Metals.  
Zeimentz, P.; Okuda, J.  
*Organometallics* **2007**, *26*, 6388–6396.
  165. Regioselective 1-Hexene Oligomerization Using Cationic Bis(phenolato) Group 4 Metal Catalysts: Switch from 1,2 to 2,1 Insertion.  
Lian, B.; Beckerle, K.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2007**, *119*, 8660–8663; *Angew. Chem. Int. Ed.* **2007**, *46*, 8507–8510.
  164. Lutetium Alkyl and Hydride Complexes in a Non-Cyclopentadienyl Coordination Environment.  
Konkol, M.; Malgorowska, M.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2007**, 4095–4102.
  163. Half-Sandwich Dibenzyl Complexes of Scandium: Synthesis, Structure, and Styrene Polymerization Activity.  
Hitzbleck J.; Beckerle, K.; Okuda, J.  
*J. Organomet. Chem.* **2007**, *692*, 4702–4707.
  162. Ring-Opening of a Furyl Group Appended to the Cyclopentadienyl Ligand in Rare-Earth Metal Half-Sandwich Complexes.  
Hitzbleck J.; Okuda, J.  
*Organometallics* **2007**, *26*, 3227–3235.
  161. Stereospecific Styrene Enchainment at a Titanium Site within an Helical Ligand Framework: Evidence for the Formation of Homochiral Polystyrene.  
Beckerle, K.; Manivannan, R.; Lian, B.; Meppelder, G.-J. M.; Raabe, G.; Spaniol, T. P.; Ebeling, H.; Pelascini, F.; Mühlhaupt, R.; Okuda, J.  
*Angew. Chem.* **2007**, *119*, 4874–4877; *Angew. Chem. Int. Ed.* **2007**, *46*, 4790–4793.

- Highlight: When Single-Site Polymerization Catalysis Meets Chirality: Optical Activity of Stereoregular Polyolefins.  
Carpentier, J.-F. *Angew. Chem.* **2007**, *119*, 6524–6526; *Angew. Chem. Int. Ed.* **2007**, *46*, 4790–4793.
160. Polymerization Catalysis by Post-Metallocenes: Bridging the Gap between Ziegler-Natta and Single-Site Catalysts.  
Okuda, J.  
*Stud. Surf. Sci. and Catal.* **2007**, 11–18.
159. Reactivity of Monocationic Bis(alkyl) and Dicationic Mono(alkyl) Yttrium Complexes toward Ketones and Carbon Dioxide.  
Nakajima, Y.; Okuda, J.  
*Organometallics* **2007**, *26*, 1270–1278.
158. Alkyl Abstraction from a Tris(alkyl) Yttrium Complex [YR<sub>3</sub>(thf)<sub>2</sub>] (R = CH<sub>2</sub>SiMe<sub>3</sub>) Using a Group 13 Element Lewis Acid ER<sub>3</sub> (E = B, Al, Ga, In). Structural Characterisation of the Ion Pair [YR<sub>2</sub>(thf)<sub>4</sub>]<sup>+</sup>[GaR<sub>4</sub>]<sup>-</sup> and of ER<sub>3</sub> (E = B, Al, Ga).  
Kramer, M. U.; Robert, D.; Nakajima, Y.; Englert, U.; Spaniol T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2007**, 665–674.
157. Highly Heteroselective Ring-Opening Polymerization of *rac*-Lactide Initiated by Bis(phenolato) Scandium Complexes.  
Ma, H.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2006**, *118*, 7982–7985; *Angew. Chem. Int. Ed.* **2006**, *45*, 7818–7821.
156. Neutral and Cationic Rare-Earth Metal Alkyl Complexes That Contain Bis(2-methoxyethyl)-(trimethylsilyl)amine, a Neutral [ONO]-Type Ligand.  
Zeimentz, P. M.; Okuda, J.  
*Inorg. Chim. Acta* **2006**, *359*, 4769–4773.
155. “Constrained Geometry” Catalysts of the Rare-Earth Metals for the Hydrosilylation of Olefin.  
Robert, D.; Trifonov, A. A.; Okuda, J.  
*J. Organomet. Chem.* **2006**, *691*, 4393–4399.
154. Synthesis, Characterization, and Polymerization Activity of the Scandium Half-Sandwich Complex [Sc(η<sup>5</sup>-C<sub>5</sub>Me<sub>4</sub>{SiMe<sub>2</sub>(C<sub>6</sub>F<sub>5</sub>)})](CH<sub>2</sub>SiMe<sub>3</sub>)<sub>2</sub>(THF)].  
Hitzbleck J.; Okuda, J.  
*Z. Anorg. Allg. Chem.* **2006**, *632*, 1947–1949.
153. Hafnocene Catalyst for Selective Propylene Oligomerization: Efficient Synthesis of 4-Methyl-1-pentene by β-Methyl Transfer.  
Suzuki, Y.; Yasumoto, T.; Mashima, K.; Okuda, J.  
*J. Am. Chem. Soc.* **2006**, *128*, 13017–13025.
152. A Binaphtholate Titanium Complex Featuring a Linear Tetradentate [OSSO]-Bis(phenolato) Ligand: Synthesis and Partial Hydrolysis to a Homochiral Dinuclear Complex.  
Meppelder, G.-J.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2006**, *691*, 3206–3211.
151. Living Isospecific Styrene Polymerization By Chiral Benzyl Titanium Complexes That Contain a Tetradentate [OSSO]-Type Bis(phenolato) Ligand.  
Beckerle, K.; Manivannan, R.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2006**, *25*, 3019–3026.

150. Cationic Organometallic Complexes of Scandium, Yttrium, and the Lanthanoids.  
Arndt, S.; Elvidge, B. R.; Zeimentz, P. M.; Okuda, J.  
*Chem. Rev.* **2006**, *106*, 2404–2433.
149. Ethylene/1,3-Cyclohexadiene Copolymerization by Means of Methylaluminumoxane Activated Half-Sandwich Complexes.  
Heiser, D. E.; Pelascini, F.; Kramer, D.; Scott, J.; Gambarotta, S.; McCahill, J.; Stephan, D. W.; Okuda, J.; Mülhaupt, R.  
*Macromol. Symp.* **2006**, *236*, 156–160.
148. Syndiospecific Polymerization Catalysts for Styrene Based on Rare Earth Metal Half-Sandwich Complexes.  
Hitzbleck, J.; Beckerle, K.; Okuda, J. Halbach, T.; Mülhaupt, R.  
*Macromol. Symp.* **2006**, *236*, 23–29.
147. Copolymerization of Ethylene with Styrene Catalyzed by a Linked Bis(phenolato) Titanium Catalyst.  
Capacchione, C.; Proto, A.; Ebeling, H.; Mülhaupt, R.; Okuda, J.  
*J. Polym. Sci., Part A: Polym. Chem.* **2006**, *44*, 1908–1913.
146. Formation of a Dicationic Yttrium  $\eta^2$ -Pyridyl Complex from an Yttrium Methyl Dication by C–H Activation of Pyridine.  
Arndt, S.; Elvidge, B. R.; Zeimentz, P. M.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2006**, *25*, 793–795.
145. Cationic Synthesis, Structure and Hydrosilylation Activity of Neutral and Cationic Rare-Earth Metal Silanolate Complexes.  
Elvidge, B. R.; Arndt, S.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2006**, 890–901.
144. Cationic Yttrium Complexes as Functional Models for 1,3-Diene Polymerization Catalysts.  
Arndt, S.; Beckerle, K.; Zeimentz, P. M.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2005**, *117*, 7640–7644; *Angew. Chem. Int. Ed.* **2005**, *44*, 7473–7477.
143. Cationic Rare-Earth Metal Trimethylsilylmethyl Complexes Supported by THF and 12-Crown-4 Ligands: Synthesis and Characterization.  
Elvidge, B. R.; Arndt, S.; Zeimentz, P. M.; Spaniol, T. P.; Okuda, J.  
*Inorg. Chem.* **2005**, *44*, 6777–6788.
142. Synthesis, Structural Characterization and Catalytic Property of Group 4 Metal Complexes Incorporating a Phosphorus-Bridged Indenyl-Carboranyl Constrained-Geometry Ligand.  
Wang, H.; Chan, H.-S.; Okuda, J.; Xie, Z.  
*Organometallics* **2005**, *24*, 3118–3124.
141. Isospecific Styrene Polymerization By Chiral Titanium Complexes That Contain a Tetradentate [OSSO]-Type Bis(phenolato) Ligand.  
Capacchione, C.; Manivannan, R.; Barone, M.; Beckerle, K.; Centore, R.; Oliva, L.; Proto, A.; Tuzi, A.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2005**, *24*, 2971–2982.
140. Aluminum Complexes With Sulfide-Linked Bis(phenolato) Ligands: The Unusual Structure and Reactivity of the Methyl Bis(phenolato) Complex “[Al(tbmp)Me]” (tbmp = 2,2'-thiobis(6-tert-butyl-4-methylphenolato)).  
Braune, W.; Ma, H.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2005**, *24*, 1953–1958.



139. Kinetics and Mechanism of L-Lactide Polymerization by Rare Earth Metal Silylamido Complexes: The Effect of Alcohol Addition.  
Ma, H.; Okuda, J.  
*Macromolecules* **2005**, *38*, 2665–2673.
138. Catalytic 1,3-Cyclohexadiene Homopolymerization and Regioselective Copolymerization with Ethylene.  
Heiser, D. E.; Okuda, J.; Gambarotta, S.; Mülhaupt, R.  
*Macromol. Chem. Phys.* **2005**, *206*, 195–202.
137. Cationic Alkyl Complexes of the Rare-Earth Metals: Synthesis, Structure, and Reactivity.  
Arndt, S.; Okuda, J.  
*Adv. Synth. Catal.* **2005**, *347*, 339–354.
136. A Dimeric Alkyl Complexes Supported by an O,S,S,O-Tetradentate Diphenolate Ligand.  
Ma, H.; Melillo, G.; Oliva, L.; Spaniol, T. P.; Englert, U.; Okuda, J.  
*Acta Crystallogr., Sect. E.* **2005**, *E61*, m221–m222.
135. Aluminum Alkyl Complexes Supported by [OSSO] Type Bisphenolato Ligands: Synthesis, Characterization and Living Polymerization of *rac*-Lactide.  
Ma, H.; Melillo, G.; Oliva, L.; Spaniol, T. P.; Englert, U.; Okuda, J.  
*Dalton Trans.* **2005**, 721–727.
134. Stereospecific Post-Metallocene Polymerization Catalysts: The Example of Isospecific Styrene Polymerization.  
Beckerle, K.; Capacchione, C.; Ebeling, H.; Manivannan, R.; Mülhaupt, R.; Proto, A.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2004**, *689*, 4636–4641.
133. Propylene-Styrene Multi-Block-Copolymers: Evidence for Monomer Enchainment via Opposite Insertion Regiochemistry by a Single-Site Catalyst.  
Capacchione, C.; De Carlo, F.; Zannoni, C.; Okuda, J.; Proto, A.  
*Macromolecules* **2004**, *37*, 8918–8922.
132. Group 4 Complexes of Chelating Dianionic [OSO] Binaphtholate Ligands: Synthesis and Alkene Polymerisation Catalysis.  
Natrajan, L. S.; Wilson, C.; Okuda, J.; Arnold, P. L.  
*Eur. J. Inorg. Chem.* **2004**, 3724–3732.
131. Hydrosilylation of Diene by Yttrium Hydrido Complexes That Contain a Linked Amido-Cyclopentadienyl Ligand.  
Trifonov, A. A.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2004**, 2245–2250.
130. Micelle Formation of Amphiphilic “Cylindrical Brush” – Coil Block Copolymers Prepared by Metallocene Catalysis.  
Neiser, M.; Muth, S.; Harris, J. R.; Okuda, J.; Schmidt, M.  
*Angew. Chem.* **2004**, *116*, 3255–3257; *Angew. Chem. Int. Ed.* **2004**, *43*, 3192–3195.
129. Synthesis of Branched Polyethylene by Ethylene Homopolymerization Using Titanium Catalysts That Contain a Bridged Bis(phenolato) Ligand.  
Capacchione, C.; Proto, A.; Okuda, J.  
*J. Polym. Sci., Part A: Polym. Chem.* **2004**, *42*, 2815–2822.

128. Pyrrolide-Imine Benzyl Complexes of Zirconium and Hafnium: Synthesis, Structures, and Efficient Ethylene Polymerization Catalysis.  
Matsui, S.; Takagi, Y.; Yoshida, Y.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2004**, *689*, 1155–1164.
127. Non-Metallocene Catalysts for the Styrene Polymerization: Isospecific Group 4 Metal Bis(phenolate) Catalysts.  
Capacchione, C.; Proto, A.; Ebeling, H.; Mülhaupt, R.; Möller, K.; Manivannan, R.; Spaniol, T. P.; Okuda, J.  
*J. Mol. Catal. A.* **2004**, *213*, 137–140.
126. Isolated Ethylene Units in Isotactic Polystyrene Chain: Stereocontrol of an Isospecific Post-Metallocene Titanium Catalyst.  
Capacchione, C.; D'Acunzi, M.; Motta, O.; Oliva, L.; Proto, A.; Okuda, J.  
*Macromol. Chem. Phys.* **2004**, *205*, 370–373.
125. Tritylpyridinium Tetrakis(pentafluorophenyl)borate as an Efficient Activator for Ethylene Polymerization with “Constrained-Geometry” Catalysts.  
Musikabhumma, K.; Spaniol, T. P.; Okuda, J.  
*J. Mol. Catal. A.* **2004**, *208*, 73–81.
124. Rare Earth Metal Complexes Supported by 1,ω-Dithiaalkanediy-bridged Bis(phenolato) Ligands: Synthesis, Characterization and Ring-Opening Polymerization Catalysis of L-Lactide.  
Ma, H.; Spaniol, T. P.; Okuda, J.  
*Dalton Trans.* **2003**, 4770–4780.
123. Synthesis of Isotactic Poly-1,2-(4-methyl-1,3-pentadiene) by a Homogeneous Titanium Catalyst.  
Capacchione, C.; Proto, A.; Venditto, V.; Okuda, J.  
*Macromolecules* **2003**, *36*, 9249–9251.
122. Homogeneous Ethylene Polymerization Catalysts Based on Alkyl Cations of the Rare Earth Metals - Are Dicationic Mono(alkyl) Complexes the Active Species?  
Arndt, S.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **2003**, *115*, 5229–5333; *Angew. Chem. Int. Ed.* **2003**, *42*, 5075–5079.
121. ortho-Metalation of Aromatic Ethers by Yttrium Alkyl Complexes That Contain a Linked Amido-Cyclopentadienyl Ligand.  
Spaniol, T. P.; Okuda, J.; Kitamura, M.; Takahashi, T.  
*J. Organomet. Chem.* **2003**, *684*, 194–199.
120. Yttrium Alkyl and Hydrido Complexes That Contain a Tridentate Linked Amido-Cyclopentadienyl Ligand.  
Voth, P.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2003**, *22*, 3921–3926.
119. Neutral and Cationic Trimethylsilylmethyl Complexes of the Rare Earth Metals Supported by a Crown Ether: Synthesis and Structural Characterization.  
Arndt, S.; Zeimentz, P.; Spaniol, T. P.; Okuda, J.; Honda, M.; Tatsumi, K.  
*Dalton Trans.* **2003**, 3622–3627.
118. The Kinetic Stability of Cationic Benzyl Titanium Complexes That Contain a Linked Amido-Cyclopentadienyl Ligand: The Influence of the Amido-Substituent on the Ethylene Polymerization Activity of “Constrained Geometry Catalysts”.  
Okuda, J.; Musikabhumma, K.; Sinnema, P. J.

- Isr. J. Chem.* **2003**, *42*, 383–392.
117. Polymerization of Macromonomers to Cylindrical Brushes Initiated by Organolanthanides.  
Neiser, M.; Okuda, J.; Schmidt, M.  
*Macromolecules* **2003**, *36*, 5437–5439.
116. Synthesis and Characterization of a Tetranuclear Hydride Cluster of Yttrium [ $\{Y(\eta^5-C_5Me_4SiMe_3)\}_4(\mu-H)_2(\mu_3-H)_2(THF)_2$ ].  
Hultzsich, K. C.; Voth, P.; Spaniol, T. P.; Okuda, J.  
*Z. Anorg. Allg. Chem.* **2003**, *629*, 1272–1276.
115. Rare Earth Metal Complexes That Contain Linked Amido-Cyclopentadienyl Ligands: *ansa*-Metallocene Mimics and “Constrained Geometry” Catalysts. (Invited cover page)  
Okuda, J.  
*Dalton Trans.* **2003**, 2367–2378.
114. Ancillary Ligand Effect on Single-Site Styrene Polymerization: Isospecificity of Group 4 Metal Bis(phenolate) Catalysts.  
Capacchione, C.; Proto, A.; Ebeling, H.; Mülhaupt, R.; Möller, K.; Spaniol, T. P.; Okuda, J.  
*J. Am. Chem. Soc.* **2003**, *125*, 4964–4965.
113. Di- and Trivalent Complexes of Ytterbium That Contain Linked Amino- and Amido-Cyclopentadienyl Ligands.  
Trifonov, A. A.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2003**, 926–935.
112. Pyridiylethylsilane-Modified Silica for Heterogeneous Ethylene Homo- and Copolymerization.  
Musikabhumma, K.; Spaniol, T. P.; Okuda, J.  
*J. Mol. Cat.* **2003**, *192*, 223–237.
111. Titanium and Zirconium Complexes That Contain a Tridentate Bis(phenolato) Ligand of the [OOO]-Type.  
Reimer, V.; Spaniol, T. P.; Okuda, J.; Ebeling, H.; Tuchbreiter, A.; Mülhaupt, R.  
*Inorg. Chim. Acta* **2003**, *345*, 221–227.
110. Alkyl Complexes of Rare-Earth Metals That Contain a Furyl-Functionalized Cyclopentadienyl Ligand: Alkyl Cation Formation and Unexpected Ring-Opening Reaction of the Furyl Group.  
Arndt, S.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2003**, *22*, 775–781.
109. Synthesis of Branched Polyethylenes by Tandem Catalysis of Silica-Supported Linked Cyclopentadienyl-Amido Titanium Catalysts and Homogeneous Dibromo Nickel Catalyst Having a Pyridylimine Ligand.  
Musikabhumma, K.; Spaniol, T. P.; Okuda, J.  
*J. Polym. Sci., Part A: Polym. Chem.* **2003**, *41*, 528–544.
108. Dimeric n-Alkyl Complexes of Rare-Earth Metals Supported by a Linked Amido-Cyclopentadienyl Ligand: Evidence for a  $\beta$ -Agostic Bonding in Bridging n-Alkyl Ligands and its Role in Styrene Polymerization.  
Voth, P.; Arndt, S.; Spaniol, T. P.; Okuda, J.; Ackerman, L. J.; Green, M. L. H.  
*Organometallics* **2003**, *22*, 65–76.
107. An Efficient Method for the Controlled Propylene Oxide Polymerization: The Role of Bimetallic Activation by Aluminum Lewis Acids.  
Braune, W.; Okuda, J.  
*Angew. Chem.* **2003**, *115*, 67–71; *Angew. Chem. Int. Ed.* **2003**, *42*, 65–68.

106. Dialkyl Titanium Complexes That Contain a Sulfur-Linked Bis(phenolato) Ligand: The Structure of an Olefin Polymerization Catalyst Precursor.  
Fokken, S.; Reichwald, F.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2002**, *663*, 158–163.
105. Group 3 and 4 Metal Alkyl and Hydrido Complexes Containing a Linked Amido-Cyclopentadienyl Ligand: “Constrained Geometry” Polymerization Catalysts for Nonpolar and Polar Monomers.  
Okuda, J.; Arndt, S.; Beckerle, K.; Hultsch, K. C.; Sinnema, P.-J.; Voth, P.; Spaniol, T. P.  
*J. Mol. Cat.* **2002**, *190*, 215–223.
104. Efficient Ethylene Polymerisation Catalysis by a Cationic Benzyl Hafnium Complex Containing Pyrrolide-Imine Ligands.  
Matsui, S.; Spaniol, T. P.; Takagi, Y.; Yoshida, Y.; Okuda, J.  
*J. Chem. Soc., Dalton Trans.* **2002**, 4529–4531.
103. Polymerizations of Cyclic Esters Catalyzed by Titanium Complexes Having Chalcogen-Bridged Chelating Diaryloxo Ligands.  
Takashima, Y.; Nakayama, Y.; Watanabe, K.; Itono, T.; Ueyama, N.; Nakamura, A.; Yasuda, H.; Okuda, J.  
*Macromolecules* **2002**, *35*, 7538–7544.
102. Mono(cyclopentadienyl) Complexes of the Rare Earth Metals.  
Arndt, S.; Okuda, J.  
*Chem. Rev.* **2002**, *22*, 1953–1976.
101. First Structurally Characterized Cationic Alkyl Complexes of the Rare Earths.  
Arndt, S.; Spaniol, T. P.; Okuda, J.  
*Chem. Commun.* **2002**, 896–897.
100. Metalation of Aromatic Heterocycles by Yttrium Alkyl Complexes That Contain a Linked Amido-Cyclopentadienyl Ligand: Synthesis, Structure and Lewis Base Adduct Formation.  
Arndt, S.; Trifonov, A. A.; Spaniol, T. P.; Okuda, J.; Kitamura, M.; Takahashi, T.  
*J. Organomet. Chem.* **2002**, *647*, 158–166.
99. Ethylene Polymerization with “Constrained-Geometry” Titanium Catalysts over Borate-Modified Silica Supports.  
Musikabhumma, K.; Spaniol, T. P.; Okuda, J.  
*Macromol. Chem. Phys.* **2002**, *203*, 115–121.
98. Hindering the Formation of Ferrocenes: Mono(cyclopentadienyl)halo Iron Complexes [Fe(C<sub>5</sub>R<sub>5</sub>)X] Containing a Sterically Bulky Cyclopentadienyl Ligand.  
Okuda, J.  
*J. Organomet. Chem.* **2001**, *637–9*, 786–792.
97. Yttrium Hydrido Complexes That Contain a Less “Constrained Geometry” Ligand: Synthesis, Structure, and Efficient Hydrosilylation Catalysis.  
Trifonov, A. A.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2001**, *20*, 4869–4874.
96. Rare Earth Metal-Based Catalysts for the Polymerization of Non-Polar and Polar Monomers.  
Arndt, S.; Beckerle, K.; Hultsch, K. C.; Voth, P.; Spaniol, T. P.; Okuda, J.  
*Pure Appl. Chem.* **2001**, *73*, 351–354.

95. Mono(cyclopentadienyl)titanium Complexes Containing a Sulfur-Bridged Bisphenolate Ligand: Synthesis and Characterization.  
Amor, F.; Fokken, S.; Kleinhenn, T.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2001**, *621*, 3–9.
94. Activation of C-H Bonds in Five-Membered Heterocycles by an Half-Sandwich Yttrium Alkyl Complex.  
Arndt, S.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2001**, 75–78.
93. Substituted 1,4-Diaza-1,3-butadiene Monocyclopentadienyl Titanium Complexes. Crystal Structure of  $\text{Ti}(\eta^5\text{-C}_5\text{Me}_5)(\eta^4\text{-}^i\text{PrNCH=CHN}^i\text{Pr})\text{Me}$ .  
Amor, F.; Gómez-Sala, P.; Royo, P.; Okuda, J.  
*Organometallics* **2000**, *19*, 5168–5173.
92. Dimeric Hydrido Complexes of Rare Earth Metals Containing a Linked Amido-Cyclopentadienyl Ligand: Synthesis, Characterization, and Monomer-Dimer Equilibrium.  
Arndt, S.; Voth, P.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2000**, *19*, 4960–4700.
91. Chiral Complexes of Titanium Containing a Linked Amido-Cyclopentadienyl Ligand: Synthesis, Structure, and Asymmetric Imine Hydrogenation Catalysis.  
Okuda, J.; Verch, S.; Stürmer, R.; Spaniol, T. P.  
*J. Organomet. Chem.* **2000**, *605*, 55–67.
90. Titanium Complexes Having Chelating Diaryloxo Ligands Bridged by Tellurium and Their Catalytic Behavior in the Polymerization of Ethylene.  
Nakayama, Y.; Watanabe, K.; Ueyama, N.; Nakamura, A.; Harada, A.; Okuda, J.  
*Organometallics* **2000**, *19*, 2498–2503.
89. Chelated ( $\eta^5$ -Cyclopentadienyl- $\eta$ -ethyl) Complexes of Molybdenum and Tungsten; Molecular Structure of  $\text{W}(\eta^5\text{-C}_5\text{H}_4\text{CH}_2\text{-}\eta\text{-CH}_2)(\text{CO})_3$ .  
Amor, F.; Royo, P.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2000**, *604*, 126–131.
88. Titanium Complexes Containing a Disulfide-Bridged Bis(phenolato) Ligand: Synthesis and Structural Characterization of Three Different Bonding Modes.  
Okuda, J.; Fokken, S.; Kleinhenn, T.; Spaniol, T. P.  
*Eur. J. Inorg. Chem.* **2000**, 1321–1326.
87. Optically Active Titanium Complexes Containing a Tridentate Linked Amido-Cyclopentadienyl Ligand.  
Okuda, J.; Verch, S.; Spaniol, T. P.; Stürmer, R.  
*Chirality* **2000**, *12*, 472–475.
86. Non-Bridged Amido Cyclopentadienyl Complexes of Titanium: Synthesis, Characterization, and Olefin Polymerization Catalysis.  
Sinnema, P.-J.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2000**, *598*, 179–181.
85. Alcoholysis of Aluminum Alkyls Supported by Bulky Phenoxide Ligands: Synthesis, Characterization and  $\epsilon$ -Caprolactone Polymerization Activity of Two Dimeric Aluminum Isopropoxides.  
Taden, I.; Kang, H.-C.; Massa, W.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **2000**, 441–445.

84. Single-Component Polymerization Catalysts for Ethylene and Styrene: Synthesis, Characterization, and Reactivity of Alkyl- and Hydrido Yttrium Complexes Containing a Linked Amido-Cyclopentadienyl Ligand.  
Hultsch, K. C.; Voth, P.; Beckerle, K.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **2000**, *19*, 228–243.
83. Synthesis and Characterization of Titanium(IV) Complexes Containing the Diphenylphosphino- and Diphenylthiophosphoryl-Functionalized Cyclopentadienyl Ligand. Crystal and Molecular Structure of  $\text{Ti}(\eta^5\text{-C}_5\text{H}_4\text{PPh}_2)\text{Cl}_3$ .  
Flores, J. C.; Hernández, R.; Royo, P.; Butt, A.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **2000**, *593/4*, 202–210.
82. Complexes of Titanium and Zirconium Containing a Tridentate Linked Amido-Cyclopentadienyl Ligand With a Soft Donor Group: Synthesis, Structure, and Ethylene Polymerization Catalysis.  
Okuda, J.; Eberle, T.; Spaniol, T. P.; Piquet-Fauré, V.  
*J. Organomet. Chem.* **1999**, *591*, 127–137.
81. Polymerization of Ethylene, Styrene, and Acrylic Monomers Using Linked Amido-Cyclopentadienyl Metal Complexes.  
Okuda, J.; Amor, F.; Eberle, T.; Hultsch, K. C.; Spaniol, T. P.  
*Polymer Preprints (Am. Chem. Soc., Div. Polym. Chem.)* **1999**, *40(1)*, 371–372.
80. Ring-Opening Polymerization of Lactide Using Heterobimetallic Lanthanocene Complexes.  
Beckerle, K.; Hultsch, K. C.; Okuda, J.  
*Macromol. Chem. Phys.* **1999**, *200*, 1702–1707.
79. Half-Sandwich Alkyl and Hydride Complexes of Yttrium: Convenient Synthesis and Polymerization Catalysis of Polar Monomer.  
Hultsch, K. C.; Spaniol, T. P.; Okuda, J.  
*Angew. Chem.* **1999**, *111*, 163–165; *Angew. Chem. Int. Ed.* **1999**, *38*, 227–230.
78. Alkyl Complexes of Group 4 Metals That Contain a Tridentate Linked Amido-Cyclopentadienyl Ligand: Synthesis, Structures, and Reactivity Including Ethylene Polymerization Catalysis.  
Amor, F.; Butt, A.; du Plooy, K. E.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **1998**, *17*, 5836–5849.
77. Ni(II) and Pd(II) Complexes of Camphor-Derived Diazadiene Ligands: Steric Bulk Tuning and Ethylene Polymerization.  
Schleis, T.; Spaniol, T. P.; Okuda, J.; Heinemann, J.; Mülhaupt, R.  
*Inorg. Chem. Commun.* **1998**, *1*, 431–434.
76. Ethylene Polymerization Catalysts Based on Nickel(II) 1,4-Diazadiene Complexes: The Influence of the 1,4-Diazadiene Backbone Substituents on Structure and Reactivity.  
Schleis, T.; Spaniol, T. P.; Okuda, J.; Heinemann, J.; Mülhaupt, R.  
*J. Organomet. Chem.* **1998**, *569*, 159–173.
75. Zirconium, Hafnium, and Yttrium Complexes Containing Two Linked Amido-Tetramethylcyclopentadienyl Ligands: Synthesis, Reactivity and Molecular Structure of  $\text{Hf}(\eta^5\text{-}\eta^1\text{-C}_5\text{Me}_4\text{SiMe}_2\text{NiPr})_2$ .  
Okuda, J.; Amor, F.; du Plooy, K. E.; Eberle, T.; Hultsch, K. C.; Spaniol, T. P.  
*Polyhedron* **1998**, *17*, 1073–1080.

74. Zirconium and Hafnium Mono(alkyl) Complexes Containing a Tridentate Linked Amido-Tetramethylcyclopentadienyl Ligand. Molecular Structure of  $\text{Hf}(\eta^5\text{:}\eta^1\text{:}\eta^1\text{-C}_5\text{Me}_4\text{SiMe}_2\text{N-CH}_2\text{CH}_2\text{OMe})\text{Cl}_2$ .  
Amor, F.; du Plooy, K. E.; Spaniol, T. P.; Okuda, J.  
*J. Organomet. Chem.* **1998**, 558, 139–146.
73. New Molecular and Supramolecular Polymer Architecture via Transition Metal Catalyzed Alkene Polymerization.  
Suhm, J.; Heinemann, J.; Thomann, Y.; Thomann, R.; Maier, R.-D.; Schleis, T.; Okuda, J.; Kressler, J.; Mühlaupt, R.  
*J. Mater. Chem.* **1998**, 8, 553–563.
72. Titanium Complexes with a Linked Amido-Cyclopentadienyl Ligands and Bidentate Organyl Group: Synthesis, Structure, and Ethene Polymerization Activity.  
Eberle, T.; Spaniol, T. P.; Okuda, J.  
*Eur. J. Inorg. Chem.* **1998**, 237–244.
71. Syndiospecific Polymerization of Styrene Using Methylaluminumoxane-Activated Bis(phenolato)-titanium Complexes.  
Masoud, E.; Okuda, J.  
*Macromol. Chem. Phys.* **1998**, 199, 549–551.
70. Novel Polyolefin Materials Via Catalysis and Reactive Processing.  
Suhm, J.; Heinemann, J.; Woerner, C.; Müller, P.; Kressler, J.; Okuda, J.; Mühlaupt, R.  
*Macromol. Symp.* **1998**, 129, 1–28.
69. Synthesis and Characterization of Yttrium Complexes Containing a Tridentate Linked Amido-Cyclopentadienyl Ligands.  
Hultsch, K. C.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **1998**, 17, 485–488.
68. Synthesis and Characterization of Titanium Complexes Containing a Sulfinyl-Bridged Bis(phenolato) Ligand.  
Okuda, J.; Fokken, S.; Kang, H.-C.; Massa, W.  
*Polyhedron* **1998**, 17, 943–946.
67. Synthesis of Chiral Bridging  $\beta$ -Amino-Cyclopentadienes and Their Complexation to Transition Metals.  
Schwink, L.; Knochel, P.; Eberle, T.; Okuda, J.  
*Organometallics* **1998**, 17, 7–9.
66. Chiral Lanthanocene Derivatives Containing Two Linked Amido-Cyclopentadienyl Ligands: Heterobimetallic Structure and Lactone Polymerization Activity.  
Hultsch, K. C.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **1997**, 16, 4845–4856.
65. Remarkably Robust Group 4 Metal Half-Sandwich Complexes Containing Two Higher Alkyl Ligands: X-Ray Structure and Reactivity of the Di-n-butyl Complex  $[\text{Hf}(\eta^5\text{:}\eta^1\text{:}\eta^1\text{-C}_5\text{Me}_4\text{SiMe}_2\text{NCH}_2\text{CH}_2\text{OMe})^n\text{Bu}_2]$ .  
Amor, F.; Spaniol, T. P.; Okuda, J.  
*Organometallics* **1997**, 16, 4765–4767.
64. Polymerization of  $\epsilon$ -Caprolactone Using Heterobimetallic Lanthanocene Complexes.  
Hultsch, K. C.; Okuda, J.  
*Macromol. Rapid. Commun.* **1997**, 18, 809–815.

63. Nine-Membered Titanacyclic Complexes Based on an Ethylene-Bridged Bis(phenolato) Ligand: Synthesis, Structure, and Olefin Polymerization Activity.  
Fokken, S.; Spaniol, T. P.; Okuda, J.; Sernetz, F. G.; Mülhaupt, R.  
*Organometallics* **1997**, *16*, 4240–4242.
62. Aluminum Complexes of Sterically Hindered Tetradentate Schiff Bases: Synthesis, Structure, and Reactivity Toward  $\epsilon$ -Caprolactone.  
Taden, I.; Kang, H.-C.; Massa, W.; Okuda, J.  
*J. Organomet. Chem.* **1997**, *540*, 189–192.
61. Copolymerization of Ethene with Styrene Using Different Methylaluminumoxane Activated Bisphenolate Complexes.  
Sernetz, F. G.; Mülhaupt, R.; Fokken, S.; Okuda, J.  
*Macromolecules* **1997**, *30*, 1562–1569.
60. Linked Benzylamido-Cyclopentadienyl Ligands: Synthesis and Characterization of Alkyl Titanium Complexes.  
Okuda, J.; Eberle, T.; Spaniol, T. P.  
*Chem. Ber.* **1997**, *130*, 209–215.
59. Copolymerization of Ethene with Styrene Using Different Methylaluminumoxane Activated Half-sandwich Complexes.  
Sernetz, F. G.; Mülhaupt, R.; Amor, F.; Eberle, T.; Okuda, J.  
*J. Polym. Sci., Part A: Polym. Chem.* **1997**, *35*, 1571–1578.
58. Bistriflate Titanium Complexes for the Polymerization of Styrene.  
Ngo, S.; Okuda, J.; Toscano, P.; Welch, J. T.  
*Polymer Preprints (Am. Chem. Soc., Div. Polym. Chem.)* **1996**, *37*, 331–332.
57. Optically Active Titanium Complexes Containing Linked Amido-Cyclopentadienyl Ligands: Their Use as Asymmetric Hydrogenation Catalysts.  
Okuda, J.; Verch, S.; Spaniol, T. P.; Stürmer, R.  
*Chem. Ber.* **1996**, *129*, 1429–1431.
56. Titanium Complexes of Chelating Bis(phenolato) Ligands with Long Titanium-Sulfur Bonds – A Novel Type of Ancillary Ligand for Olefin Polymerization Catalysts.  
Fokken, S.; Spaniol, T. P.; Kang, H.-C.; Massa, W.; Okuda, J.  
*Organometallics* **1996**, *15*, 5069–5072.
55. Linked Amido-Indenyl Complexes of Titanium.  
Amor, F.; Okuda, J.  
*J. Organomet. Chem.* **1996**, *520*, 245–248.
54. Synthesis and Characterization of Titanium Complexes Containing a Potentially Tridentate Amido-Cyclopentadienyl Ligand.  
Okuda, J.; du Plooy, K. E.; Massa, W.; Kang, H.-C.; Rose, U.  
*Chem. Ber.* **1996**, *129*, 275–277.
53. Coordination Properties of Novel Tridentate Cyclopentadienyl Ligands in Titanium and Zirconium Complexes.  
du Plooy, K. E.; Moll, U.; Wocadlo, S.; Massa, W.; Okuda, J.  
*Organometallics* **1995**, *14*, 3129–3131.
52. Indenyl Effect in  $d^0$ -Transition Metal Complexes. Synthesis, Molecular Structure, and Lactone Polymerization Activity of  $[\text{Ti}(\eta^5\text{-C}_9\text{H}_7)\text{Cl}_2(\text{OMe})]$ .  
Okuda, J.; König, P.; Rushkin, I. L.; Kang, H.-C.; Massa, W.



- J. Organomet. Chem.* **1995**, *501*, 37–39.
51. Synthesis and Characterization of Titanium Complexes Containing the 1-(Butenyl)-2,3,4,5-tetramethylcyclopentadienyl Ligand.  
Okuda, J.; du Plooy, K. E.; Toscano, P.  
*J. Organomet. Chem.* **1995**, *495*, 195–202.
  50. Synthesis and Characterization of Mononuclear Titanium Complexes Containing a Bis(phenoxy) Ligand Derived from 2,2'-Methylenebis(2-tert-butyl-4-methylphenol).  
Okuda, J.; Fokken, S.; Kang, H.-C.; Massa, W.  
*Chem. Ber.* **1995**, *128*, 221–227.
  49. Ring-Opening Polymerization of Lactones by Mono(cyclopentadienyl)titanium Complexes.  
Okuda, J.; Kleinhenn, T.; König, P.; Taden, I.; Ngo, S.; Rushkin, I. L.  
*Macromol. Symp.* **1995**, *95*, 195–202.
  48. Synthesis and Characterization of Zirconium Complexes Containing a Linked Amido-Fluorenyl Ligand.  
Okuda, J.; Schattenmann, F. J.; Wocadlo, S.; Massa, W.  
*Organometallics* **1995**, *14*, 789–795.
  47. Ring-Opening Polymerization of Lactones by Mono(cyclopentadienyl)titanium Complexes.  
Okuda, J.; König, P.; Ngo, S.; Rushkin, I. L.  
*Polymer Preprints (Am. Chem. Soc., Div. Polym. Chem.)* **1994**, *35*, 524–525.
  46. Pseudo Interpenetrating Polymer Networks of Crystalline Polystyrene.  
Du, Y.; Xu, Q.; Ngo, S.; Okuda, J.; Frisch, H. L.  
*Macromolecules* **1994**, *27*, 2757–2760.
  45. Cyclodimerization and Addition Reaction of  $\text{Bu}^t\text{C}\equiv\text{P}$  at a Cobalt(I) Centre.  
Matos, R. M.; Nixon, J. F.; Okuda, J.  
*Inorg. Chim. Acta* **1994**, *222*, 13–20.
  44. Bifunctional Cyclopentadienyl Ligands in Organotransition Metal Chemistry.  
Okuda, J.  
*Comments on Inorganic Chemistry* **1994**, *16*, 185–205.
  43. Mono(cyclopentadienyl)titanium Complexes as Initiators for the Living Ring-Opening Polymerization of  $\epsilon$ -Caprolactone.  
Okuda, J.; Rushkin, I. L.  
*Macromolecules* **1993**, *26*, 5530–5532.
  42. Ti NMR Data of Some Titanium Halfsandwich Complexes Bearing Substituted Cyclopentadienyl Ligands.  
Hafner, A.; Okuda, J.  
*Organometallics* **1993**, *12*, 949–950.
  41. Remarkably Strong Chelate Effect in a Cobalt Half-Sandwich Complex with an Intramolecularly Coordinated C-C Double Bond.  
Zimmermann, K. H.; Pilato, R. S.; Horváth, I. T.; Okuda, J.  
*Organometallics* **1992**, *11*, 3935–3937.
  40. Functionalized Cyclopentadienyl Ligands, VII. Cobalt-Mediated Cyclohexadiene Formation Involving an Intramolecularly Coordinated C=C Bond.  
Okuda, J.; Zimmermann, K. H.  
*Chem. Ber.* **1992**, *125*, 637–641.

39. Transition Metal Complexes of Sterically Demanding Cyclopentadienyl Ligands.  
Okuda, J.  
*Topics in Current Chemistry* **1992**, *160*, 97–145.
38. Complexes with Sterically Demanding Ligands, XVI. An Unusual Coupling of Trimethylsilyl Substituted Cyclopentadienyl Anion by Ferric Chloride.  
Okuda, J.; Herdtweck, E.; Zeller, E. M.  
*Chem. Ber.* **1991**, *124*, 1575–1577.
37. Functionalized Cyclopentadienyl Ligands, VI. Design of a Reactive Metal Center Using Substituted Cyclopentadienyl-Ligands.  
Okuda, J.; Herdtweck, E.; Zimmermann, K. H. in „Organic Synthesis via Organometallics 3“ (Eds.: Dötz, K. H.; Hoffmann, R. W.), Vieweg, Braunschweig, 1991, p. 207–221.
36. Complexes with Sterically Demanding Ligands, XV. Substituent Effects in Multiply Trimethylsilyl Substituted Ferrocenes. Molecular Structure of 1,1',2,2',4,4'-Hexakis(trimethylsilyl)ferrocenium-Tetrafluoroborate.  
Okuda, J.; Albach, R. W.; Herdtweck, E.; Wagner, F. E.  
*Polyhedron* **1991**, *10*, 1741–1748.
35. Complexes with Sterically Demanding Ligands, XIV. Synthesis and Structural Characterization of an Organotitanium Complex Containing a Planar Bis( $\mu$ -oxo)ditanium Core.  
Okuda, J.; Herdtweck, E.  
*Inorg. Chem.* **1991**, *30*, 1516–1520.
34. Functionalized Cyclopentadienyl Ligands, V. Reactions of Substituted Alkynes at a Conformationally Rigid (Olefin)cobalt Fragment.  
Okuda, J.; Zimmermann, K. H.; Herdtweck, E.  
*Angew. Chem.* **1991**, *103*, 446–447; *Angew. Chem. Int. Ed. Engl.* **1991**, *30*, 430–431.
33. Functionalized Cyclopentadienyl Ligands, IV. Synthesis and Complexation of Linked Cyclopentadienyl-Amido Ligands.  
Okuda, J.  
*Chem. Ber.* **1990**, *123*, 1649–1651.
32. Functionalized Cyclopentadienyl Ligands, III. Preparation of Cobalt Half-Sandwich Complexes With Intramolecular C-C Double Bond Coordination.  
Okuda, J.; Zimmermann, K. H.  
*Chem. Ber.* **1990**, *123*, 1641–1648.
31. Organorhenium Imido Complexes: Synthesis, Structure, and Reactivity.  
Herrmann, W. A.; Weichselbaumer, G.; Paciello, R. A.; Fischer, R. A.; Herdtweck, E.; Okuda, J.; Marz, D. W.  
*Organometallics* **1990**, *9*, 489–496.
30. Complexes with Sterically Demanding Ligands, XIII. Complexation of 1,3-Di-*t*-butylcyclopentadienyl Ligand at Iron, Cobalt and Titanium. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1990**, *385*, C39-42.
29. A Monomeric Methanedithiolate Complex of Molybdenocene.  
Okuda, J.  
*Z. Naturforsch.* **1990**, *45b*, 753–754.

28. Complexes with Sterically Demanding Ligands, XII. Dynamic Behavior of Carbonyltris(alkin)-tungsten Complexes in Solution. (in German)  
Okuda, J.; Zimmermann, K. H.  
*J. Organomet. Chem.* **1990**, *384*, C21–24.
27. Complexes with Sterically Demanding Ligands, XI. Synthesis and Properties of Trimethyl-[1,2,4-tris(trimethylsilyl)cyclopentadienyl]titanium.  
Okuda, J.  
*Chem. Ber.* **1990**, *123*, 87–88.
26. Complexes with Sterically Demanding Ligands, X. Synthesis of Cationic [Tris(trimethylsilyl)cyclopentadienyl](arene)iron Complexes.  
Okuda, J.  
*J. Organomet. Chem.* **1989**, *375*, C13–16.
25. Complexes with Sterically Demanding Ligands IX. Steric Effects on Hydrolysis of Cyclopentadienyl Titanium Complexes. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1990**, *397*, C37–40.
24. Functionalized Cyclopentadienyl Ligands II. Synthesis of a Cobalt Complex with Intramolecular C-C Double Bond Coordination.  
Okuda, J.; Zimmermann, K. H.  
*Chem. Ber.* **1989**, *122*, 1645–1647.
23. Complexes with Sterically Demanding Ligands VIII. Rotational Barriers of Ring-Ligands in Tetrakis- and Hexakis(trimethylsilyl)cobaltocenium Ion. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1989**, *367*, C1–4.
22. Complexes with Sterically Demanding Ligands VII. Crystal Structure and Dynamic Solution Behavior of 1,1',3,3'-Tetrakis(trimethylsilyl)ferrocene.  
Okuda, J.; Herdtweck, E.  
*J. Organomet. Chem.* **1989**, *373*, 99–105.
21. Complexes with Sterically Demanding Ligands VI. Synthesis and Reactivity of Mono[tris(trimethylsilyl)cyclopentadienyl]iron Trimethylphosphite Complexes.  
Okuda, J.  
*Chem. Ber.* **1989**, *122*, 1259–1260.
20. Complexes with Sterically Demanding Ligands V. Synthesis of 2-(tert-Butyl)-5,5-bis(trimethylsilyl)cyclopentadienyl Complexes of Iron and Cobalt. (in German)  
Okuda, J.  
*Chem. Ber.* **1989**, *122*, 1075–1077.
19. Complexes with Sterically Demanding Ligands IV. Hindered Rotation of Ring Ligands in Tetrakis(trimethylsilyl)metallocenes of Iron and Titanium. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1988**, *356*, C43–46.
18. Complexes with Sterically Demanding Ligands III. Synthesis of Mono[tris(trimethylsilyl)-cyclopentadienyl]nickel Complexes. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1988**, *353*, C1–4.

17. Complexes with Sterically Demanding Ligands II. Synthesis and Structure of 1,1',2,2',4,4'-Hexakis(trimethylsilyl)ferrocene. (in German)  
Okuda, J.; Herdtweck, E.  
*Chem. Ber.* **1988**, *121*, 1899–1905.
16. Crystal and Molecular Structure of ( $\eta^2$ -Benzylideneaniline)bis( $\eta^5$ -cyclopentadienyl)-molybdenum, a Molybdenocene Complex with Side-on Bound Imine. (in German)  
Okuda, J.; Herberich, G. E.; Raabe, E.; Bernal, I.  
*J. Organomet. Chem.* **1988**, *353*, 65–71.
15. Synthesis of 1-(But-3-enyl)-2,3,4,5-tetramethylcyclopentadienyl Complexes of Iron and Cobalt. (in German)  
Okuda, J.; Zimmermann, K. H.  
*J. Organomet. Chem.* **1988**, *344*, C1–4.
14. Synthesis and Structural Characterization of Trioxo( $\eta^5$ -ethyltetramethyl-cyclopentadienyl)-rhenium, a Half-Sandwich Complex of Heptavalent Rhenium.  
Okuda, J.; Herdtweck, E.; Herrmann, W. A.  
*Inorg. Chem.* **1988**, *27*, 1254–1257.
13. Übergangsmetall-Carbin-Komplexe LXXXVI. Synthese von mono-, bis- und tris-Trimethylphosphan-substituierter Diethylaminocarbin-Komplexen des Wolframs. (in German)  
Filippou, A. C.; Fischer, E. O.; Okuda, J.  
*J. Organomet. Chem.* **1988**, *339*, 309–321.
12. Synthesis of Mono[tris(trimethylsilyl)cyclopentadienyl]iron Complexes. (in German)  
Okuda, J.  
*J. Organomet. Chem.* **1987**, *333*, C41–44.
11. On the Role of Organotin Compounds in Olefin Metathesis: Synthesis, Structure, and Lewis-Acidity of an Unusual Rhenium(V) Alkyl.  
Herrmann, W. A.; Herdtweck, E.; Felixberger, J. K.; A. Schäfer, A.; Okuda, J.  
*Angew. Chem.* **1987**, *99*, 466–467; *Angew. Chem. Int. Ed. Engl.* **1987**, *26*, 466.
10. High Oxidation State Pentamethylcyclopentadienyl Rhenium Complexes: Synthesis, Structure, and Reactivity.  
Herrmann, W. A.; Okuda, J.  
*J. Mol. Cat.* **1987**, *41*, 109–122.
9. Organometallic Oxides: The Example of Trioxo( $\eta^5$ -pentamethylcyclopentadienyl)rhenium(VII).  
Herrmann, W. A.; Herdtweck, E.; Floel, M.; Küsthardt, U.; Kulpe, J.; Okuda, J.  
*Polyhedron* **1987**, *6*, 1165–1182.
8. Heteroallene Complexes of Molybdenocene. (in German)  
Okuda, J.; Herberich, G. E.  
*J. Organomet. Chem.* **1987**, *320*, C35–38.
7. Reactivity of a Labile Molybdenocene Olefin Complex.  
Okuda, J.; Herberich, G. E.  
*Organometallics* **1987**, *6*, 2331–2336.
6. Hexahydrido(pentamethylcyclopentadienyl)rhenium.  
Herrmann, W. A.; Okuda, J.  
*Angew. Chem.* **1986**, *98*, 1109–1111; *Angew. Chem. Int. Ed. Engl.* **1986**, *25*, 1092–1093.
5. Peralkylcyclopentadienyl Tungsten Polyhydride Complexes.

- Okuda, J.; Murray, R. C.; Dewan, J. C.; Schrock, R. R.  
*Organometallics* **1986**, *5*, 1681–1690.
4. Synthesis of  $[(\eta^5\text{-C}_5\text{H}_5)_2\text{Mo}(\eta^2\text{-CH}_2\text{O})]$ : A Formaldehyde Complex of Molybdenum.  
Herberich, G. E.; Okuda, J.  
*Angew. Chem.* **1985**, *97*, 400–401; *Angew. Chem. Int. Ed. Engl.* **1985**, *24*, 402.
  3. Synthesis and Characterization of Manganese and Rhenium Tricarbonyl Complexes with (O,O,O)-Donor Ligands.  
Kläui, W.; Okuda, J.; Scotti, M.; Valderama, M.  
*J. Organomet. Chem.* **1985**, *280*, C26–28.
  2. Acetylene Complexes of Molybdenocene: Synthesis by Ligand Substitution at Bis( $\eta^5$ -cyclopentadienyl)[(Z)-stilbene]molybdenum, a Molybdenocene Derivative with a Substitution Labile Olefin.  
Herberich, G. E.; Okuda, J.  
*Chem. Ber.* **1984**, *117*, 3112–3122.
  1. Stereochemistry of the Insertion Product from Bis( $\eta^5$ -cyclopentadienyl)molybdenum dihydride and Dimethyl Acetylenedicarboxylate. Crystal and Molecular Structure of Bis( $\eta^5$ -cyclopentadienyl)hydrido[ $\eta^1$ -{1,2-bis(methoxy-carbonyl)-(Z)-vinyl}]molybdenum. (in German)  
Herberich, G. E.; Hessner, B.; Okuda, J.  
*J. Organomet. Chem.* **1983**, *254*, 317–324.