

List of publications: Dr. Christina Römel

2021

- Tarrago, M., **Roemelt, C.**, Nehr Korn, J., Schnegg, A., Neese, F., Bill, E., Ye, S. (2021). Experimental and Theoretical Evidence for an Unusual Almost Triply Degenerate Electronic Ground State of Ferrous Tetraphenylporphyrin. *Inorganic Chemistry* doi:10.1021/acs.inorgchem.1c00031

2020

- Berkefeld, A., Roemelt, M., **Roemelt, C.**, Schubert, H., Jeschke, G. (2020). Modulating Effect of Ligand Charge on the Electronic Properties of 2Ni-2S Structures and Implications for Biological 2M-2S Sites. *Inorganic Chemistry* DOI:10.1021/acs.inorgchem.0c02467

2019

- Wang, M., **Roemelt, C.**, Weyhermueller, T., Wieghardt, K. (2019). Coordination Modes, Oxidation, and Protonation Levels of 2,6-Pyridinediimine and 2,2':6',2''-Terpyridine Ligands in New Complexes of Cobalt, Zirconium, and Ruthenium. An Experimental and Density Functional Theory Computational Study. *Inorganic Chemistry* DOI:10.1021/acs.inorgchem.8b01949
- **Roemelt, C.**, Weyhermueller, T., Wieghardt, K. (2019). Structural characteristics of redox-active pyridine-1,6-diimine complexes: Electronic structures and ligand oxidation levels. *Coordination Chemistry Reviews* DOI:10.1016/j.ccr.2018.09.018

2018

- **Roemelt, C.**, Ye, S., Bill, E., Weyhermueller, T., van Gestel, M., Neese, F. (2018). Electronic Structure and Spin Multiplicity of Iron Tetraphenylporphyrins in Their Reduced States as Determined by a Combination of Resonance Raman Spectroscopy and Quantum Chemistry. *Inorganic Chemistry* DOI:10.1021/acs.inorgchem.7b03018

2017

- **Roemelt, C.**, Song, J., Tarrago, M., Rees, J., van Gestel, M., Weyhermueller, T., DeBeer, S., Bill, E., Neese, F., Ye, S. (2017). Electronic Structure of a Formal Iron(0) Porphyrin Complex Relevant to CO₂ Reduction. *Inorganic Chemistry* DOI:10.1021/acs.inorgchem.7b00401

2015

- Guetz, C., Selt, M., Baenziger, M., Bucher, C., **Roemelt, C.**, Hecken, N., Gallou, F., Galvao, T., Waldvogel, S. R. (2015). A Novel Cathode Material for Cathodic Dehalogenation of 1,1-Dibromo Cyclopropane Derivatives. *Chemistry – A European Journal* DOI:10.1002/chem.201502064

2013

- **Lohelster, C.**, Brutschy, M., Lubczyk, D., Waldvogel, S.R. (2013). Novel supramolecular affinity materials based on (-)-isosteviol as molecular templates. *Beilstein Journal of Organic Chemistry* DOI:10.3762/bjoc.9.317
- **Lohelster, C.**, Weckbecker, M., Waldvogel, S. R. (2013). (-)-Isosteviol as a Versatile Ex-Chiral-Pool Building Block for Organic Chemistry. *European Journal of Organic Chemistry* DOI:10.1002/ejoc.201300447

2012

- **Lohelster, C.**, Schollmeyer, D., Waldvogel, S. R. (2012). Derivatives of (-)-Isosteviol with Expanded Ring D and Various Oxygen Functionalities. *European Journal of Organic Chemistry* DOI:10.1002/ejoc.201200970

2009

- Shah, A., Khan, Z., Choudhary, N., **Lohelster, C.**, Schafer, S., Marie, G., Farooq, U., Witulski, B., Wirth, T. (2009). Iodoxolone-Based Hypervalent Iodine Reagents. *Organic Letters* DOI:10.1021/ol9014688