List of publications: Dr. Christina Römelt

2020

- Berkefeld, A., Roemelt, M., **Römelt, 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* 59(23), 17234–17243. https://doi.org/10.1021/acs.inorgchem.0c02467

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- **Römelt, C.**, Weyhermüller, T., Wieghardt, K. (2019). Structural characteristics of redox-active pyridine-1,6-diimine complexes: Electronic structures and ligand oxidation levels *Coordination Chemistry Reviews* 380, 287-317. https://doi.org/10.1016/j.ccr.2018.09.018
- Wang, M., **Römelt, C.**, Weyhermüller, 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* 58(1), 121-132. https://doi.org/10.1021/acs.inorgchem.8b01949

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- **Römelt, C.**, Ye, S., Bill, E., Weyhermuller, T., van Gastel, 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* 57(4), 2141-2148. https://doi.org/10.1021/acs.inorgchem.7b03018

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- **Römelt, C.**, Song, J.S., Tarrago, M., Rees, J.A., van Gastel, M., Weyhermüller, T., DeBeer, S., Bill, E., Neese, F., Ye, S. (2017). Electronic Structure of a Formal Iron(0), Porphyrin Complex Relevant to CO_2 Reduction *Inorganic Chemistry* 56(8), 4745-4750. https://doi.org/10.1021/acs.inorgchem.7b00401

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- Gütz, G., Selt, M., Bänzinger, M., Bucher, C., **Römelt, C.**, Hecken, N., Gallou, F., Galvão, T.R., Waldvogel, S.R. (2015). *Chemistry – A European Journal* 21(40), 13878-13882. https://doi.org/10.1002/chem.201502064

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- **Lohoelter, C.**, Brutschy, M., Lubczyk, D., Waldvogel, S.R. (2013). Novel supramolecular affinity materials based on (−)-isosteviol as molecular templates *Beilstein Journal of Organic Chemistry* 9, 2821-2833. https://doi.org/10.3762/bjoc.9.317

- **Lohoelter, C.**, Weckbecker, M., Waldvogel, S.R. (2013). (–)-Isosteviol as a Versatile Ex-Chiral-Pool Building Block for Organic Chemistry *Chemistry – A European Journal* 2013(25), 5539-5554. https://doi.org/10.1002/ejoc.201300447

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- **Lohoelter, C.**, Schollmeyer, D., Waldvogel, S.R. (2012). Derivatives of (–)-Isosteviol with Expanded Ring D and Various Oxygen Functionalities *European Journal of Organic Chemistry* 2012(32), 6364-6371. https://doi.org/10.1002/ejoc.201200970

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- Shah, A.A., Khan, Z.A., Choudhary, N., **Lohoelter, C.**, Schäfer, S., Marie, G.P.L., Farooq, U., Witulski, B., Wirth, T. (2009). *Organic Letters* 11(16), 3578-3581. https://doi.org/10.1021/ol9014688