

Publications list – Dr. Thomas Weyhermüller – 2019-04

2019

- Kalläne, S.I., Hahn, A.W., Weyhermüller, T., Bill, E., Neese, F., DeBeer, S., van Gestel, M. (2019). Spectroscopic and Quantum Chemical Investigation of Benzene-1,2- dithiolate-Coordinated Diiron Complexes with Relevance to Dinitrogen Activation *Inorganic Chemistry* <https://doi.org/10.1021/acs.inorgchem.9b00177>
- Bhand, S., Landem D.N., Pereira, E., Gejji, S.P., Weyhermüller, T., Chakravarty, D., Puranik, V.G., Salunke-Gawali, S. (2019). Amphiphilic polypyridyl ruthenium complexes: Synthesis, Characterization and Aggregation studies *Polyhedron* 164, 96-107. <https://doi.org/10.1016/j.poly.2019.02.035>
- Römel, 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., Römel, 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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- Erken, C., Kaithal, A., Sen, S., Weyhermüller, T., Hölscher, M., Werlé, C., Leitner, W. (2018). Manganese-catalyzed hydroboration of carbon dioxide and other challenging carbonyl groups *Nature Communications*, 9, 4521. <https://doi.org/10.1038/s41467-018-06831-9>
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- Hahn, A.W., Van Kuiken, B.E., Chilkuri, V.G., Levin, N., Bill, E., Weyhermüller, T., Nicolaou, A., Miyawaki, J., Harada, Y., DeBeer, S. (2018). Probing the Valence Electronic Structure of Low-Spin Ferrous and Ferric Complexes Using 2p3d Resonant Inelastic X-ray Scattering (RIXS) *Inorganic Chemistry*, 57(37), 11918-11923. <https://doi.org/10.1021/acs.inorgchem.8b01550>
- Van Kuiken, B.E., Hahn, A.W., Nayyar, B., Schiewer, C.E., Lee, S.C., Meyer, F., Weyhermüller, T., Nicolaou, A., Cui, Y-T., Miyawaki, J., Hatada, Y., DeBeer, S. (2018). Electronic Spectra of Iron-Sulfur Complexes Measured by 2p3d RIXS *Spectroscopy Inorganic Chemistry*, 57(12), 7355-7361. <https://doi.org/10.1021/acs.inorgchem.8b01010>
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