# AIMMS publication report for: 2020-09-28

### New papers: 2020-8/9

Krahfuß, M. J., Nitsch, J., Bickelhaupt, F. M., Marder, T. B., Radius, U. **N-Heterocyclic Silylenes as Ligands in Transition Metal Carbonyl Chemistry: Nature of Their Bonding and Supposed Innocence** (Chemistry - A European Journal, 1 Sep 2020)[https://doi.org/10.1002/chem.202001062]

Yu, S., Vermeeren, P., van Dommelen, K., Bickelhaupt, F. M., Hamlin, T. A. **Understanding the 1,3-Dipolar Cycloadditions of Allenes** (Chemistry - A European Journal, 4 Sep 2020)[https://doi.org/10.1002/chem.202000857]

Faltracco, M., Sukowski, V., Van Druenen, M., Hamlin, T. A., Bickelhaupt, F. M., Ruijter, E. **Diastereoselective Synthesis of β-Lactams by Ligand-Controlled Stereodivergent Intramolecular Tsuji-Trost Allylation** (Journal of Organic Chemistry, 7 Aug 2020)[https://doi.org/10.1021/acs.joc.0c00575]

Bunduc, C. M., Bitter, W., Houben, E. N. G.Pages:315-335 **Structure and Function of the Mycobacterial Type VII Secretion Systems** (Annual Review of Microbiology, 13 Jul 2020)[https://doi.org/10.1146/annurev-micro-012420-081657]

Koenis, M. A., Chibueze, C. S., Jinks, M. A., Nicu, V. P., Visscher, L., Goldup, S. M., Buma, W. J. **Vibrational circular dichroism spectroscopy for probing the expression of chirality in mechanically planar chiral rotaxanes** (Chemical Science, 28 Aug 2020)[https://doi.org/10.1039/d0sc02485f]

De Santis, M., Belpassi, L., Jacob, C. R., Severo Pereira Gomes, A., Tarantelli, F., Visscher, L., Storchi, L. **Environmental Effects with Frozen-Density Embedding in Real-Time Time-Dependent Density Functional Theory Using Localized Basis Functions** (Journal of chemical theory and computation, 8 Sep 2020)[https://doi.org/10.1021/acs.jctc.0c00603]

Buchholz, F., Theophilou, I., Giesbertz, K. J., Ruggenthaler, M., Rubio, A. **Light-Matter Hybrid-Orbital-Based First-Principles Methods: The Influence of Polariton Statistics** (Journal of chemical theory and computation, 8 Sep 2020)[https://doi.org/10.1021/acs.jctc.0c00469]

Landa, I., Westbroek, H., Janssen, F., van Muijlwijk-Koezen, J. E., Meeter, M. **Scientific Perspectivism in Secondary-School Chemistry Education: Integrating Concepts and Skills in Chemical Thinking** (Science & Education, 7 Aug 2020)[https://doi.org/https://doi.org/10.1007/s11191-020-00145-3]

Sénard, T., Gargano, A. F., Falck, D., de Taeye, S. W., Rispens, T., Vidarsson, G., Wuhrer, M., Somsen, G. W., Domínguez-Vega, E. **MS-Based Allotype-Specific Analysis of Polyclonal Ig** (Frontiers in Immunology, 21 Aug 2020)[https://doi.org/10.3389/fimmu.2020.02049]

Daly, C. A., Smit, M. J., Plouffe, B. **The constitutive activity of the viral-encoded G protein-coupled receptor US28 supports a complex signalling network contributing to cancer development** (Biochemical Society transactions, 28 Aug 2020)[https://doi.org/10.1042/BST20190988]

Xie, C., Albulescu, L. O., Bittenbinder, M. A., Somsen, G. W., Vonk, F. J., Casewell, N. R., Kool, J. **Neutralizing effects of small molecule inhibitors and metal chelators on coagulopathic Viperinae snake venom toxins** (Biomedicines, Sep 2020)[https://doi.org/10.3390/BIOMEDICINES8090297]