

**A) Peer reviewed journals & book chapters (125)**

- 125 C. Wäckerlin, A. Gallardo, A. Mairena, M. Baljzović, A. Cahlik, A. Antalík, J. Brabec, L. Veis, D. Nachtigallová, P. Jelínek, K.-H. Ernst\* On-Surface Hydrogenation of Buckybowls: From Curved Aromatic Molecules to Planar Non-Kekulé Aromatic Hydrocarbons, *ACS Nano* (under revision)
- 124 H. Chen, L. Tao, D. Wang, Z.-Y. Wu, J.-L. Zhang, S. Gao, W. Xiao, S. Du,\* K.-H. Ernst,\* H.-J. Gao\* Stereoselective on-surface cyclodehydrofluorization of a tetraphenylporphyrin and homochiral self-assembly *Angewandte Chemie* (accepted)
123. J. Seibel, M. Parschau, K.-H. Ernst\* Double layer crystallization of heptahelicene on noble metal surfaces *Chirality* 32 (2020) 975–980
122. A. Mairena, J. Mendieta, O. Stetsovych, A. Terfort, I. G. Stará, I. Starý, P. Jelínek, K.-H. Ernst\* Heterochiral recognition among functionalized heptahelicenes on noble metal surfaces *Chem. Comm.* 55 (2019) 10595–10598
121. A. Mairena, L. Zoppi, S. Lampart, K. K. Baldrige, J. S. Siegel, K.-H. Ernst\* Fivefold Symmetry and 2D Crystallization: Self-Assembly of the Buckybowl Pentaindenocorannulene on a Cu(100) Surface *Chem. Eur. J.* 25 (2019) 11555–11559
120. J. Li, S. Lampart, J. Siegel, K.-H. Ernst, C. Wäckerlin\* Graphene grown from flat and bowl shaped polycyclic aromatic hydrocarbons on Cu(111) *ChemPhysChem* 20 (2019) 2354–2359
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114. J. Li, K. Martin, N. Avarvari, C. Wäckerlin,\* K.-H. Ernst Spontaneous resolution of on-surface synthesized trishelicenes *Chem. Comm.* 54 (2018) 7948–7945
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