

**A) Peer reviewed journals & book chapters (141)**

141. M. R. Safari,\* F. Matthes, V. Caciuc, N. Atodiresei, C. M. Schneider, K.-H. Ernst,\* D. Bürgler,\*  
Enantioselective adsorption on magnetic surfaces  
*Adv. Mater.* 36 (2024) 202308666/1–8
140. J. Voigt, K. Martin, M. Baljozović, C. Wäckerlin, N. Avarvari,\* K.-H. Ernst\*  
An aperiodic chiral tiling by topological molecular self-assembly  
(submitted)
139. J. Voigt, M. Hasan, C. Wäckerlin, A. V. Karnik\*, K.-H. Ernst\*  
Switching the on-surface orientation of oxygen-functionalized helicene  
*Chirality* 36 (2024) e236427/1-8.
138. A. Pinar Solé, J. Klívar, M. Šámal, I. G. Stará, I. Starý, J. Mendieta, K.-H. Ernst, P. Jelínek,\*  
O. Stetsovych,\* On-surface synthesis of helicene polymers.  
(submitted)
137. M. R. Safari,\* F. Matthes, C. M. Schneider, K.-H. Ernst,\* D. Bürgler,\*  
Spin-Selective Electron Transport Through Single Chiral Molecules  
*Small* 19 (2023) 2308233/1–7
136. M. Baljozović, B. Arnoldi, S. Grass, J. Lacour, M. Aeschlimann, B. Stadtmüller, K.-H. Ernst\*  
Spin- and angle-resolved photoemission spectroscopy study of heptahelicene layers on Cu(111)  
surfaces. *J. Chem. Phys.* 159 (2023) 044701/1–8
135. J. Voigt, K. Martin, E. Nezir, M. Baljozović, C. Wäckerlin, N. Avarvari, K.-H. Ernst\*  
Highly Stereospecific On-Surface Dimerization into Bishelicenes: Topochemical Ullmann  
Coupling of Bromohelicene on Au(111)  
*Chem. Eur. J.* 29 (2023) e202300134
134. F. Frezza, A. Sánchez-Grande,\* M. Ondráček, M. Vondráček, Q. Chen, O. Stetsovych, V.  
Villalobos, C. Sánchez-Sánchez, K.-H. Ernst, J. A. Martín-Gago,\* J. Honolka\* P. Jelínek\*  
Epitaxial growth and characterization of SnSe phases on Au(111)  
*J. Phys.: Condens. Matter* 35 (2023) 335001
133. G. Srivastava, P. Štacko, J. I. Mendieta-Moreno, S. Edalatmanesh, J. C. M. Kistemaker, G. H.  
Heideman, J. I. Mendieta-Moreno, L. Zoppi, M. Parschau, B. L. Feringa,\* K.-H. Ernst\*  
Driving a 3<sup>rd</sup> Generation Molecular Motor with Electrons Across a Surface  
*ACS Nano* 17 (2023) 3931–3938
132. M. R. Safari,\* F. Matthes, K.-H. Ernst, D. E. Bürgler,\* C. M. Schneider  
Deposition of Chiral Heptahelicene Molecules on Ferromagnetic Co and Fe Thin-Film Substrates  
*Nanomaterials* 12 (2022) 3281/1–18
131. B. Irziqat, J. Berger, A. Cebrat, J. I. Mendieta-Moreno, M. Shyam Sundar, A. V. Bedekar,  
K.-H. Ernst\*  
Conglomerate Aggregation of 7,12,17-Trioxa[11]helicene into Homochiral Two-Dimensional  
Crystals on the Cu(100) Surface  
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130. M. Baljozović, A. F. Cauduro, J. Seibel, A. Mairena, S. Grass, J. Lacour, A. Schmid, K.-H. Ernst\*  
Growth dynamics and electron reflectivity in ultrathin films of chiral heptahelicene on metal (100)  
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129. B. Irziqat, A. Cebrat, M. Baljozović, K. Martin, M. Parschau, N. Avarvari, K.-H. Ernst\*  
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*Chem. Eur. J.* 27 (2021) 13523–13526

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Unbalanced 2D Chiral Crystallization of Pentahelicene Propellers and Their Planarization into Nanographenes  
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127. C. Wäckerlin,\* K.-H. Ernst\*  
Autocatalytic Surface Explosion Chemistry of 2D Metal-Organic Frameworks  
*J. Phys. Chem. C.* 125 (2021) 13343–13349
126. B. Irziqat, J. Berger, J. I. Mendieta-Moreno, M. Shyam Sundar, A. V. Bedekar, K.-H. Ernst\*  
Transition from Homochiral Clusters to Racemate Monolayers During 2D Crystallization of Trioxa[11]helicene on Ag(100)  
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*Chirality* 32 (2020) 975–980
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Graphene grown from flat and bowl shaped polycyclic aromatic hydrocarbons on Cu(111)  
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