

LIEBIG LECTURESHIP

der Liebig-Vereinigung für Organische Chemie

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November 2018

Marcin Stępień

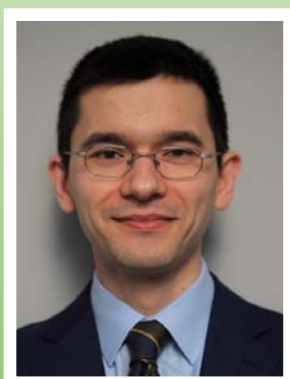
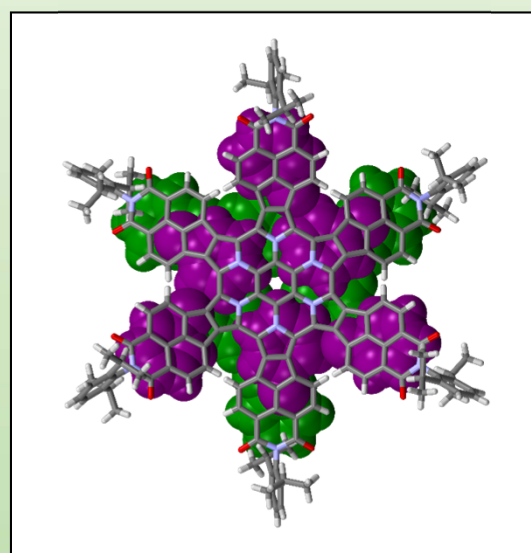
University of Wrocław



New Synthetic Approaches to Complex Aromatic Molecules

We are interested in developing new π -conjugated molecules, with a focus on extensively fused heterocycles [1–4], curved aromatic structures [5–8], and donor–acceptor systems [9–12]. Such non-trivial aromatics are of interest as liquid-crystalline materials [2], redox-switchable NIR absorbers [3, 4, 10, 11], tunable fluorophores [7, 12], and anion receptors [8]. To make these molecules, we explore various synthetic strategies and devices, such as the fold-in method [6, 8], synchronized homocoupling [7], and reactive donor–acceptor building blocks [10–12].

[1] *Chem. Rev.* **2017**, *117*, 3479–3716; [2] *J. Am. Chem. Soc.* **2012**, *134* (10), 4822–4833; [3] *J. Am. Chem. Soc.* **2014**, *136*, 16399–16410; [4] *Chem. Sci.* **2016**, *7*, 286–294; [5] *Angew. Chem. Int. Ed.* **2013**, *52*, 1713–1717; [6] *Angew. Chem. Int. Ed.* **2013**, *52*, 1713–1717; [7] *J. Am. Chem. Soc.* **2015**, *137*, 1643–1649; [8] *Angew. Chem. Int. Ed.* **2016**, *55*, 14072–14076; [9] *Org. Chem. Front.* **2018**, *5*, 2395–2414; [10] *J. Am. Chem. Soc.* **2016**, *138*, 11390–11398; [11] *Angew. Chem. Int. Ed.* **2016**, *55*, 14658–14662; [12] *Chem. Eur. J.* **2018**, *24*, 7525–7530.



Mainz	Tuesday	November 6 th
Bonn	Wednesday	November 7 th
Ulm	Thursday	November 8 th
Kiel	Monday	November 12 th
Freiburg	Wednesday	November 14 th
Würzburg	Thursday	November 15 th

Marcin Stępień was born in 1977 in Wrocław, Poland. He received his Ph.D. in 2003 from the University of Wrocław under the guidance Prof. L. Latos-Grażyński. Following a period of post-doctoral research in the laboratory of Prof. J. L. Sessler at the University of Texas, M. Stępień continued his work at the University of Wrocław, where he completed his habilitation (2010) and became a titular professor (2017). Since 2015, he has been an associate professor and a group leader at the same University. His research interests are focused on nanographene analogues, aromatic macrocycles and highly strained organic molecules..