

Curriculum Vitae

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Calificări academice

2014	Abilitare, Universitatea din Zürich, Zürich, Elveția. Titlul tezei: „Strategii sintetice și proprietăți ale polimerilor bazați pe corannulenă”
2007	Doctorat (Ph.D.), ETH Zürich, Zürich, Elveția. Titlul tezei: „Benzi complet conjugate: un vis iluzoriu?”
2002	Master (M.Sc.), Universitatea Babeș-Bolyai, Cluj-Napoca, România (media 9,75/10), Chimie organică avansată

Experiență profesională

01.2026	Associate Chair (Studenti de Licență: Probleme Academice, Admitere, Bunăstare Studentească, Relații Publice, Grupuri Studențești, Absolvenți), Facultatea de Chimie, Inginerie Chimică și Biotehnologie (CCEB), Universitatea Tehnologică Nanyang (NTU), Singapore
04.2024 - 12.2025	Associate Chair (Studenti și Educație Continuă: Admitere, Bunăstare Studențială, Relații Publice, Grupuri Studenți, Absolvenți), CCEB, NTU, Singapore
09.2023 - prezent	Associate Professor (tenured), CCEB, NTU, Singapore
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Publicații

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1. J. Stanojkovic, D. Csokas, R. A. Saikia, M. C. Stuparu*: “*Peri*-Annulations Bestow Configurational Stability onto Chira Molecular Graphene Bowls”, *Org. Lett.*, **2026**, 27, 13181.
 2. M. C. Stuparu*: “Solution Is Not the Only Solution: Nanographenes by Mechanochemistry”, *Trends in Chem*, **2025**, 7, 259.
 3. J. Stanojkovic, N. Terenti, M. C. Stuparu*: “Direct Edge Functionalization of Corannulene-Coronene Hybrid Nanographenes”, *JACS Au*, **2025**, 5, 1707.
 4. Z. Zhang, M. C. Stuparu*: “Intramolecular Direct Arylation Through Mechanochemistry: Efficient Synthesis of Corannulene-based *Peri*-Annulated Curved Nanographenes”, *Sci. China Chem*, **2025**, 68, 3586.
 5. Z. Zhang, D. Csokas, I. Fernandez, M. C. Stuparu*: “Chiral Stacks of a Curved Nanographene”, *Chem*, **2024**, 10, 3199.

6. B. Gabor, D. Csokas, M. C. Stuparu*: “Mechanochemical Scholl Reaction on Phenylated Cyclopentadiene Core: One-Step Synthesis of Fluoreno[5]helicenes”, *Chem. Eur J.* **2024**, 30, e202302971.
7. G. Hum, E. M. Muzammil, Y. Li, F. Garcia*, M. C. Stuparu*: “Mechanochemical synthesis of corannulene flanked N-heterocyclic carbene (NHC) precursors and preparation of their metal complexes”, *Chem. Eur J.* **2024**, 30, e202402056.
8. B. Gabor, S. Laxmi, M. C. Stuparu*: “Mechanochemical Synthesis of Corannulene: Scalable and Efficient Preparation of a Curved Polycyclic Aromatic Hydrocarbon under Ball Milling Conditions”, *ChemSusChem*, **2023**, e202301087.
9. Q. Zhong, V. Barat, D. Csokas, K. Niu, M. Gorecki, A. Ghosh, J. Björk, D. Ebeling, L. Chi,* A. Schirmeisen*, M. C. Stuparu*: “On-Surface Stereochemical Characterization of a Highly Curved Chiral Nanographene by Non-Contact Atomic Force Microscopy and Scanning Tunneling Microscopy”, *CCS Chem*, **2023**, 5, 2888.
10. J. Stanojkovic, R. Williams, Z. Zhang, I. Fernandez, J. Zhou, R. D. Webster, M. C. Stuparu*: “Synthesis of Precisely Functionalizable Curved Nanographenes via Graphitization-Induced Regioselective Chlorination in a Mechanochemical Scholl Reaction”, *Nat. Commun.* **2023**, 14, 803.
11. M. C. Stuparu*: “Macromolecular Architectures of Corannulene: Synthesis, Properties, and Applications of Polymers Containing a Molecular Bowl of Carbon”, *Chem. Mat.* **2023**, 35, 1836.
12. G. Hum, S. J. I. Phang, H. C. Ong, F. León, S. Quek, Y. X. J. Khoo, C. Li, Y. Li, J. K. Clegg, J. Díaz, M. C. Stuparu, F. García*: “Main Group Molecular Switches with Swivel Bifurcated to Trifurcated Hydrogen Bond Mode of Action”, *J. Am. Chem. Soc.* **2023**, 145, 12475.
13. G. Bati, D. Csókás, G.-I. Giurgi, J. Zhou, L. Szolga, R. D. Webster, M. C. Stuparu*: “Non-fullerene Electron Acceptors based on Hybridisation of Corannulene and Thiophene-S,S-dioxide Motifs”, *Chem. Eur J.* **2023**, 29, e202203856.
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17. M. C. Stuparu*: “Corannulene: A Curved Polyarene Building Block for the Construction of Functional Materials”, *Acc. Chem. Res.* **2021**, 54, 2858 (*Invited Accounts Article, Highlighted on Supplementary Cover Page*).
18. A. Saha, D. Csókás, M. Budanović, R. D. Webster, I. Pápai, M. C. Stuparu*: “Synthesis of Azahelicenes through Mallory Reaction of Imine Precursors: Corannulene Substrates Provide an

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19. T. Eom, V. Barat, A. Khan, M. C. Stuparu*: “Aggregation-Free and High Stability Core-Shell Polymer Nanoparticles with High Fullerene Loading Capacity, Variable Fullerene Type, and Compatibility towards Biological Conditions”, *Chem. Sci.* **2021**, 12, 4949.
 20. D. Halilovic, V. Rajeshkumar, M. C. Stuparu*: “Synthesis and Properties of Bis-corannulenes”, *Org. Lett.* **2021**, 23, 1468.
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