Mihaiela C. Stuparu

Fisa de autoevaluare

Indeplinirea criteriilor CNADTCU pe toata activitatea (Mihaiela C. Stuparu)

Lista publicatiilor considerate (in ordine cronologica)

1. J. Stanojkovic, R.A. Saikia, M.C. Stuparu, "Peri-Annulations Bestow Configurational Stability onto Chiral Molecular Graphene Bowls", Organic Letters **2025**, 27, 13181-13186, https://doi.org/10.1021/acs.orglett.5c03767
2. M. Stuparu,"Solution is not the only solution: nanographenes by mechanochemistry" Trends in Chemistry **2025**, 7, 259-262, https://doi.org/10.1016/j.trechm.2025.02.0072025
3. J. Stanojkovic, N. Terenti, M.C. Stuparu*, "Direct Edge Functionalization of Corannulene-Coronene Hybrid Nanographenes" JACS AU **2025**, https://doi.org/10.1021/jacsau.4c01218 (IF = 8.6)
4. Z. Zhang, M.C. Stuparu*, "Intramolecular direct arylation through mechanochemistry: efficient synthesis of corannulene-based peri-annulated curved nanographenes, Science China-Chemistry **2025**, https://doi.org/10.1007/s11426-024-2520-y (IF = 10.4)
5. Z.B. Zhang, D. Csókás, I. Fernández, M.C. Stuparu*, "Chiral stacks of a curved nanographene" Chem. **2024**, 10, 3199-3211, https://doi.org/10.1016/j.chempr.2024.07.008 (IF=19.1)
6. G. Hum, E. M. Muzammil, Y. Li, Yongxin, 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, https://doi.org/10.1002/chem.202402056 (IF=5.02)
7. G. Báti, D. Csókás, M. C. Stuparu*, "Mechanochemical Scholl Reaction on Phenylated Cyclopentadiene Core: One-Step Synthesis of Fluoreno[5]helicenes", Chem. Eur. J., **2024**, 29, e202302971, https://doi.org/10.1002/chem.202302971 (IF = 5.02)
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10. 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**, accepted (IF = 8.4).
11. 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**, DOI:https://doi.org/10.31635/ccschem.023.202303065 (IF = 11.2).
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13. M. C. Stuparu*: “Macromolecular Architectures of Corannulene: Synthesis, Properties, and Applications of Polymers Containing a Molecular Bowl of Carbon”, *Chem. Mat*. **2023**, 35, 1836 (IF = 8.6).
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16. T. Yong, B. Gabor, F. Garcia,* M. C. Stuparu*: “Mechanochemical Transformation of Planar Polyarenes to Curved Fused-Ring Systems”, *Nat. Commun.* **2021**, 12, 5187 (IF = 16.6).
17. M. C. Stuparu*: “Corannulene: A Curved Polyarene Building Block for the Construction of Functional Materials”, *Acc. Chem. Res.* **2021**, 54, 2858 (IF = 18.3).
18. 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 Exception to the Rule in Oxidative Photocyclizations of Diarylethenes”, *Chem. Sci.* **2021**, 12, 3977 (IF = 8.4).
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30. E. M. Muzammil, D. Halilovic, and M. C. Stuparu*: "Synthesis of Corannulene-based Nanographenes", *Commun. Chemistry*, **2019**, 2, 58 (IF = 5.9).
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Nr lucrare	Punctaje				
	FIC 100 pct	FIC_D 70 pct	FIC_A 50 pct	FIC_{AC} 25 pct	OBS
1	5.0	5.0	5.0	5.0	
2	13.6	13.6	13.6	13.6	
3	8.6	8.6	8.6	8.6	
4	10.4	10.4	10.4	10.4	
5	19.1	19.1	19.1	19.1	
6	5.02	5.02	5.02	5.02	
7	5.02	5.02	5.02	5.02	-
8	5.02	5.02	5.02	5.02	-
9	15	15	-	-	-
10	8.4	8.4	8.4	8.4	-
11	11.2	11.2	11.2	11.2	-
12	16.6	16.6	16.6	16.6	
13	8.6	8.6	8.6	8.6	-
14	2.8	2.8	2.8	2.8	-
15	2.2	2.2	2.2	2.2	

16	16.6	16.6	16.6	16.6	-
17	18.3	18.3	18.3	18.3	
18	8.4	8.4	8.4	8.4	
19	8.4	8.4	8.4	8.4	
20	5.2	5.2	5.2	5.2	
21	4.6	4.6	4.6	4.6	-
22	4.1	4.1	4.1	4.1	
23	5.5	5.5	5.5	5.5	-
24	4.5	4.5	4.5	4.5	-
25	16.6	16.6	16.6	16.6	-
26	4.9	4.9	4.9	4.9	-
27	4.3	4.3	4.3	4.3	-
28	4.3	4.3	4.3	4.3	-
29	3.9	3.9	3.9	3.9	
30	5.9	5.9	5.9	5.9	
31	4.9	4.9	4.9	4.9	
32	4.9	4.9	4.9	4.9	-
33	3.6	3.6	3.6	3.6	
34	15	15	15	15	-
35	5.8	5.8	5.8	5.8	-
36	4.1	4.1	4.1	4.1	-
37	7	7	7	7	
38	2.8	2.8	2.8	2.8	
39	3.9	3.9	3.9	3.9	
40	4.9	4.9	4.9	4.9	-
41	2.8	2.8	2.8	2.8	-
42	2	2	2	2	
43	2.8	2.8	2.8	2.8	
44	3.9	3.9	3.9	3.9	
45	2.8	2.8	2.8	2.8	-
46	16.6	16.6	16.6	16.6	
TOTAL	339.86	339.86	324.86	324.86	-
Indeplinire	**DA**	**DA**	**DA**	**DA**	

%	**339.86 %**	**485.5 %**	**649.7 %**	**1299.4 %**	

H index realizat	23	25	25
Sursa	Web of Science	Google Scholar	Scopus
Barem	13		
Grad de indeplinire	DA (**190 %**)		

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