

List of Publications

(a) 10 articole selectate

- I. Active-metal template clipping synthesis of novel [2] rotaxanes C. C. Anghel, T. A. Cucuiet, N. D. Hădăde,* Ion Grosu* *Beilstein J. Org. Chem.* **2023**, *19*, 1776–1784. DOI: 10.3762/bjoc.19.130. Q2, IF: 2.544
- II. Planar Chiral p,p'-Terphenyl-Based Cyclophanes with Remarkable Enantiomer Stability: Synthesis, Theoretical Investigations, and Complexation Studies I. Stroia, M. E. Moisă, A. Pop, B. Legrand, A. Hanganu, N. D. Hădăde,* Ion Grosu* *J. Org. Chem.* **2023**, *88*, 15647–15657. DOI: 10.1021/acs.joc.3c01631. Q1, IF: 4.198
- III. Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzuki–Miyaura Cross-Coupling L. Căta, N. Terenti, C. Cociug, N. D. Hădăde*, I. Grosu*, C. Bucur, B. Cojocaru, V. I. Parvulescu*, M. Mazur, and J. Čejka* *ACS Appl. Mater. Interfaces* **2022**, *14*, 10428–10437, DOI: 10.1021/acsami.1c24429. Q1 9.229
- IV. Effect of the mode of fixation of the thienyl rings on the electronic properties of electron acceptors based on indacenodithiophene (IDT). N. Terenti, A. P. Crisan, S. Jungsuttiwong, N. D. Hădăde, A. Pop, I. Grosu, J. Roncali, *Dyes Pigments* **2021**, 109116, DOI:10.1016/j.dyepig.2020.109116. Q1 IF :5.112
- V. An attempt to synthesize a terthienyl-based analog of indacenedithiophene (IDT): unexpected synthesis of a naphtho[2,3-*b*]thiophene derivative. C. C. Anghel, I. Stroia, A. Pop, A. Bende, I. Grosu, N. D. Hădăde,* J. Roncali,* *RSC Adv.* **2021**, *11*, 9894–9900, DOI: 10.1039/D1RA00659B. Q2, IF : 4.036
- VI. Naphthalenediimide – A Unique Motif in Macrocyclic and Interlocked Supramolecular Structures. A. Diac, M. Matache, I. Grosu. N. D. Hădăde,* *Adv. Synth. Catal.* **2018**, *360*, 817–845, DOI: 10.1002/adsc.201701362. Q1 IF: 5.451
- VII. Selective Host Molecules Obtained by Dynamic Adaptive Chemistry. M. Matache, E. Bogdan, N. D. Hădăde,* *Chem. Eur. J.* **2014**, *20*, 2106–2131, DOI: 10.1002/chem.201303504. Q1 IF=5.731
- VIII. Luminogenic "clickable" lanthanide complexes for protein labelling. N. Candelon, N. D. Hădăde,* M. Matache, J.-L. Canet, F. Cisnetti, D. P. Funeriu,* L. Nauton, A. Gautier,* *Chem. Commun.* **2013**, *49*, 9206–9208, DOI: 10.1039/c3cc44391d. Q1 IF=6.718
- IX. Unexpected Formation of N-(1-(2-Aryl-hydrazono)isoindolin-2-yl)benzamides and Their Conversion into 1,2-(Bis-1,3,4-oxadiazol-2-yl)benzenes. C. C. Paraschivescu, M. Matache,* C. Dobrotă, A. Nicolescu, C. Maxim, C. Deleanu, I. C. Fărcășanu, N. D. Hădăde,* *J. Org. Chem.* **2013**, *78*, 2670–2679, DOI: 10.1021/jo400023z. Q1 IF=4.564
- X. A general solid phase method for the synthesis of sequence independent peptidyl-fluoromethyl ketones G.-D. Roiban, M. Matache, N. D. Hădăde,* D. P. Funeriu,* *Org. Biomol. Chem.* **2012**, *10*, 4516–4523. DOI: 10.1039/c2ob25096a. Q1 IF=3.556

1. Cyclic peptides: a powerful instrument for advancing biomedical nanotechnologies and drug development, P. C. Martian, M. Tertis, D. Leonte, N. Hadade, C. Cristea, O. Crisan, *J. Pharm. Biomed. Anal.*, **2025**, 252, 116488. DOI: 10.1016/j.jpba.2024.116488, **Q2**
2. Polymer coating by oxidative polymerization of a new dopamine analogue with two amino groups, A. Petran, C. Lar, D. Bogdan, A. Caspari, N. D. Hadade, A. Vulcu, A. Popa, F. Simon, Z.r Cordelia, J. Liebscher, *Polymer*, **2024**, 312, 2 127630. DOI: 10.1016/j.polymer.2024.127630. **Q1**
3. Suzuki-Miyaura, sonogashira cross-coupling and cuaac reactions suite for the access to a large macrocycle with m, m'-terphenyl motif, E. Lakatos, N. D. Hădăde, E. Bogdan, A. Terec, I. Grosu, *Rev. Roum. Chim*, 2024, 69, 255-262, DOI: 10.33224/rrch.2024.69.5-6.03, **Q4**
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5. Active-metal template clipping synthesis of novel [2] rotaxanes C. C. Anghel, T. A. Cucuiet, N. D. Hădăde,* Ion Grosu* *Beilstein J. Org. Chem.* **2023**, 19, 1776–1784. DOI: 10.3762/bjoc.19.130. **Q2**, IF: 2.544
6. Planar Chiral p,p'-Terphenyl-Based Cyclophanes with Remarkable Enantiomer Stability: Synthesis, Theoretical Investigations, and Complexation Studies I. Stroia, M. E. Moisa, A. Pop, B. Legrand, A. Hanganu, N. D. Hădăde,* Ion Grosu* *J. Org. Chem.* **2023**, 88, 15647–15657. DOI: 10.1021/acs.joc.3c01631. **Q1**, IF: 4.198
7. Efficient chemical synthesis of new thermoplastic fluorinated aromatic polyester A. Nan, T. Radu, X. Filip, I. Kacsó, N. D.a Hădăde, F. Nekvapil, M. Miclăuș *Polymer*, **2023**, 283, 126261. DOI: 10.1016/j.polymer.2023.126261. **Q1**, IF: 4.432
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9. Synthetic approaches of epoxysuccinate chemical probes I. Nicolau, N. D. Hădăde, M. Matache, D. P. Funeriu *ChemBioChem*, **2023** e202300157. DOI: 10.1002/cbic.202300157. **Q2**, IF: 3.2
10. Shifting emission of oxadiazoles via inter- or intramolecular hydrogen bonding C. C. Anghel, A. G. Mirea, C. C. Popescu, A. M. Mădălan, A. Hanganu, A. Bende, N. D. Hădăde*, M. Matache*, M. Andruh* *Dyes and Pigments*, **2023**, 210, 111023. DOI: 10.1016/j.dyepig.2022.111023 **Q1**, IF: 5.122
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12. Solid-Phase Peptide Synthesis – Evaluation of Resin Loading and Preparation of an Amide C-Terminal Dipeptide I. Nicolau, A. Paun, C. C. Popescu, N. D. Hădăde, M. Matache J. *Chem. Educ.* **2023**, 100, 6, 2430–2434. DOI: 10.1021/acs.jchemed.3c00186. Q3, IF: 3.208
13. Novel Macrocycles Embedding *p,p'*-Terphenyl Units: Synthesis, Characterization, Single Crystal Xray Molecular Structures and Theoretical Investigations, I. Stroia, A. Pop, M. I. Nan, E. Bogdan, A. Terec, N. D. Hădăde,* I. Grosu,* *Rev. Roum. Chim.* **2022**, 67, 233–239. DOI: 10.33224/rrch.2022.67.4-5.01. Q4, IF: 0.41
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15. Exploring Arylazo-3,5-Bis(trifluoromethyl)pyrazole Switches B. C. Enache, A. Hanganu, C. Tablet, C. C. Anghel, C. C. Popescu, A. Paun, N. D. Hădăde, A. M. Mădălan, M. Matache *ACS Omega* **2022**, 7, 39122–39135. DOI: 10.1021/acsomega.2c04984 Q2, IF: 4.132
16. Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzuki–Miyaura Cross-Coupling L. Căta, N. Terenti, C. Cociug, N. D. Hădăde*, I. Grosu*, C. Bucur, B. Cojocaru, V. I. Parvulescu*, M. Mazur, and J. Čejka* *ACS Appl. Mater. Interfaces* **2022**, 14, 10428–10437, DOI: 10.1021/acsaami.1c24429. Q1 9.229
17. Exploring the Optoelectronic Properties of D-A and A-D-A 2,2'-bi[3,2-*b*]thienothiophene Derivatives L. Gabrian, G.-I. Giurgi, I. Stroia, E. Bogdan, A. P. Crișan, N. D. Hădăde, I. Grosu, A. Terec *Molecules* **2022**, 27, 8463. DOI: 10.3390/molecules27238463. Q2 IF: 4.6
18. Two are better than one - Synthesis of novel blue and green emissive hydroxy-oxadiazoles C. C. Anghel, C. Bădescu, A. G. Mirea, A. Păun, N. D. Hădăde, A. M. Mădălan, M. Matache, C. C. Popescu *Dyes and Pigments*, **2022**, 109927, DOI: 10.1016/j.dyepig.2021.109927. Q1 IF: 5.122
19. Effect of the mode of fixation of the thienyl rings on the electronic properties of electron acceptors based on indacenodithiophene (IDT). N. Terenti, A. P. Crisan, S. Jungsuttiwong, N. D. Hădăde, A. Pop, I. Grosu, J. Roncali, *Dyes Pigments* **2021**, 109116, DOI:10.1016/j.dyepig.2020.109116. Q1 IF :5.112
20. An attempt to synthesize a terthienyl-based analog of indacenedithiophene (IDT): unexpected synthesis of a naphtho[2,3-*b*]thiophene derivative. C. C. Anghel, I. Stroia, A. Pop, A. Bende, I. Grosu, N. D. Hădăde,* J. Roncali,* *RSC Adv.* **2021**, 11, 9894–9900, DOI: 10.1039/D1RA00659B. Q2, IF : 4.036
21. Halogen-Bonded Organic Frameworks of Perfluoriodo- and Perfluorodiodobenzene with 2,2',7,7'-Tetrapyridyl-9,9'-spirobifluorene. L. Pop, I. G. Grosu, M. Miclăuș, N. D. Hădăde, A. Pop, A. Bende, A. Terec, M. Bărboiu, I. Grosu, *Cryst. Growth Des.* **2021**, 21, 1045–1054, DOI: 10.1021/acs.cgd.0c01383. Q2 IF: 4.01

22. Halogen Bonds (N---I) at Work: Supramolecular Catemeric Architectures of 2,7-Dipyridylfluorene with *ortho*-, *meta*- or *para*-Diiodotetrafluorobenzene Isomers. I. G. Grosu, L. Pop, M. Miclăuș, N. D. Hădăde, A. Terec, A. Bende, C. Socaci, M. Barboiu, I. Grosu, *Cryst. Growth Des.* **2020**, *20*, 3429–3441, DOI:10.1021/acs.cgd.0c00205. **Q2** IF: 4.076
23. Yellow" laccase from *Sclerotinia sclerotiorum* is a blue laccase that enhances its substrate affinity by forming a reversible tyrosyl-product adduct. A. C. Mot, C. Coman, N. Hădăde, G. Damian, R. Silaghi-Dumitrescu, H. Heering, *PloS one* **2020**, *15*, e0225530, DOI: 10.1371/journal.pone.0225530. **Q2** IF: 3.240
24. Synthesis, Structure and Supramolecular Properties of a Novel C3 Cryptand with Pyridine Units in the Bridges C. V. Crișan, A. Soran, A. Bende, N. D. Hădăde, A. Terec, I. Grosu *Molecules* **2020**, *25*, 3789. DOI: 10.3390/molecules25173789. **Q2** IF: 4.411
25. Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells M. Lehen, E. Fischer-Fodor, F. Scurtu, N. D Hădăde, E. Gal, A. C. Mot, A. Matei, R. Silaghi-Dumitrescu *Molecules* **2020**, *27*, 8463. DOI: 10.3390/ph13060107. **Q2** IF: 4.411
26. New Insights into Catechol Oxidation - Application of Ammonium Peroxydisulfate in the Presence of Arylhydrazines A. Petran, A. Popa, N. D. Hădăde, J. Liebscher *ChemistrySelect* **2020**, *5*, 9523–DOI: 953010.1002/slct.202002370. **Q3** IF: 2.109
27. Examination of Structure-Activity Relationship of New *N*-Acylhydrazones A. G. Coman, A. Paun, C. C Popescu, N. D Hădăde, A. Hanganu, A. M Mădălan, M. Matache *Rev. Roum. Chim.* **2020**, *65*, 109-114. DOI: 10.33224/rrch.2020.65.1.13. **Q3**, IF:0.278
28. A Straightforward Synthesis of Novel 1,3,5-Triazine-Based Macrocyclic Scaffolds STUDIA UBB C. V. Crișan, N. D. Hădăde, I. Grosu, A. P. Crișan, A. Trec, *Studia UBB Chemia*, **2020**, LXV171-179. DOI: 10.24193/subbchem.2020.3.13. **Q3**, IF:0.447
29. Inverted versus Direct Structure Bulk Heterojunction Organic Solar Cells Involving a Triphenylamine-based Small Molecular Donor G.-I. Giurgi, L. Szolga, I Kovacs, E. Bogdan, N. D. Hădăde, A. Terec, I. Grosu, J. Roncali, *Studia UBB Chemia*, **2020**, LXV, 95-106. DOI: 10.24193/subbchem.2020.2.08. **Q3**, IF:0.447
30. A polycarboxylic chelating ligand for efficient resin purification of His-tagged proteins expressed in mammalian systems. C. C. Popescu, M. C. Stoian, L.-M. Cucos, A. G. Coman, A. Radoi, A. Paun, N. D. Hădăde, A. Gautier, C.-I. Popescu, M. Matache, *RSC Adv.* **2020**, *10*, 23931-23935, DOI: 10.1039/D0RA02382E. **Q2**, IF : 3.361
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32. Selective Hydration of Electron-Rich Aryl-Alkynes by a Schrock-Type Molybdenum Alkylidene Catalyst. A. Crișan, A. Pop, E. Bogdan, M. Matache, L. Pop, A. Terec, I Grosu,* N. Hădăde,* *Rev. Roum. Chim.* **2020**, *65*, 699–705, DOI: 10.33224/rrch.2020.65.7-8.07. **Q3** IF:0.278

33. Structural diversity ranging from oligonuclear complexes to 1-D and 2-D coordination polymers generated by tetrasubstituted adamantane and spirobifluorene derivatives. T. Mocanu, L. Pop, N.D. Hădăde, S. Shova, L. Sorace, I. Grosu, M. Andruh, *Eur. J. Inorg. Chem.* **2019**, 5025–5038, DOI: 10.1002/ejic.201901167. **Q2** IF: 2.529
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41. Naphthalenediimide – A Unique Motif in Macrocyclic and Interlocked Supramolecular Structures. A. Diac, M. Matache, I. Grosu, N. D. Hădăde,* *Adv. Synth. Catal.* **2018**, 360, 817–845, DOI: 10.1002/adsc.201701362. **Q1** IF: 5.451
42. “Click” access to multilayer functionalized Au surface: A terpyridine patterning example. F. A Martin, D. Marconi, S. Neamtu, T. Radu, M. Florescu, R. Turcu, C. Lar, N. D. Hădăde, I. Grosu, I. Turcu, *Mater. Sci. Eng. C Mater Biol Appl.* **2017**, 75, 1343–1350, DOI: 10.1016/j.msec.2017.03.033. **Q2** IF=5.08
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