Complete list of publications of Mădălin Dămoc

Monograph:

1. **Damoc, M**.*; Tiron, V.; Tugui, C.; Varganici, C. D.; Stoica, A. -C.; Novitchi, C.; Dascalu, M.; Cazacu, M.* (2023): Ferronematic Co(II) complex: an active filler for magnetically actuated soft materials. *Small*, 2307006. https://doi.org/10.1002/smll.202307006.
2. Farcas, A;* **Damoc, M**.; Asandulesa, M.; Aubert, P.H.; Tigoianu, R.I.; Ursu, L.E. (2023): The straightforward approach of tuning the photoluminescence and electrical properties of encapsulated PEDOT end-capped by pyrene. *J. Mol. Liq.*, *376*, 121461. https://doi.org/10.1016/j.molliq.2023.121461.
3. Stoica, A.C.; **Damoc, M**.; Shova, S.; Novitchi, G.; Dascalu, M.;* Cazacu, M.* (2023): A Manganese(II) 3D Metal–Organic Framework with Siloxane-Spaced Dicarboxylic Ligand: Synthesis, Structure, and Properties. *Inorganics*, *11*, 21. https://doi.org/10.3390/inorganics11010021.
4. **Damoc, M**., Tigoianu, R.I., Stoica, A.C., Macsim, A.M., Dascalu, M., Shova, S., Cazacu, M.* (2023): Micellization Turned on Dual Fluorescence and Room Temperature Phosphorescence by Pseudo-ESIPT in Thiadiazole Derivatives. *J. Phys. Chem .*, *127* (1), 99-109. https://doi.org/10.1021/acs.jpcc.2c07651.
5. Stoica, A.C., **Damoc, M**., Cojocaru, C., Nicolescu, A., Shova, S., Dascalu, M., Cazacu, M.* (2022): Some Theoretical and Experimental Evidence for Particularities of the Siloxane Bond. *Molecules*, *27*, 8563. https://doi.org/10.3390/molecules27238563.
6. Ciubotaru, B.I., Dascalu, M., Zaltariov, M.F.,* Macsim, A.M., **Damoc, M**., Bele, A., Tugui, C., Varganici, C.D., Cazacu, M.* (2022): Catalyst-free crosslinked sustainable functional silicones by supramolecular interactions. *React Funct Polym.*, *181*, 105419. https://doi.org/10.1016/j.reactfunctpolym.2022.105419.
7. **Damoc, M**., Stoica, A.C., Blaj, D.A., Macsim, A.M., Dascalu, M., Cojocaru, C., Shova, S., Cazacu, M.* (2022): Fourteen-member silacycle built by cascade reactions induced by a platinum catalyst. *J. Mol. Struct.*, *1269*, 133760. https://doi.org/10.1016/j.molstruc.2022.133760.

8. Stoica, A. C.; **Damoc, M**.; Baltag, L.; Macsim, A. M.; Nicolescu, A.; Dinu, M.V.; Ionita, G.; Cazacu, M.* (2021): One pot reduction hydrophobization of heterogenized platinum with 1,1,3,3-tetramethyldisiloxane. *Appl. Organomet. Chem.*, *36*(1), 6485. https://doi.org/10.1002/aoc.6485.

9. Stoica, A. C.; **Damoc, M**.; Tiron, V.; Dascalu, M.; Coroaba, A.; Shova, S.;* Cazacu, M.* (2021): Silanol-functionalized tetranuclear copper complex and its nanoscale-heterogenization by immobilization on glass surface from solution. *J. Mol. Liq.*, *344*(2-3), 117742. https://doi.org/10.1016/j.molliq.2021.117742.

10. Stoica, A. C.; **Damoc, M**.; Zaltariov, M. F.; Racles, C.; Cazacu, M.* (2021): Two-Dimensional Coordination Polymers Containing Permethylated Motifs - Promising Candidates for 2D Emerging Materials. Structural, Behavioral and Functional Particularities. *React. Funct. Polym.*, *168*, 105039. https://doi.org/10.1016/j.reactfunctpolym.2021.105039.

11. **Damoc, M**.; Stoica, A. C.; Dascalu, M.; Asandulesa, M.; Shova, S.;* Cazacu, M.* (2021): Dual Crystalline-Amorphous Salen-Metal Complexes Behave like Nematic Droplets with AIEgens Vistas. *Dalton Trans.*, *50* (39), 13841–13858. https://doi.org/10.1039/D1DT01980E.

12. **Damoc, M**.; Stoica, A. C.; Macsim, A. M.; Dascalu, M.; Zaltariov, M. F.; Cazacu, M.* (2020): Salen-Type Schiff Bases Spaced by the Highly Flexible and Hydrophobic Tetramethyldisiloxane Motif. Some Synthetic, Structural and Behavioral Particularities. *J. Mol. Liq.*, *316*, 113852. https://doi.org/10.1016/j.molliq.2020.113852.

13. Racles, C.;* Zaltariov, M. F.; **Damoc, M**.; Macsim, A. M.; Iacob, M.; Sacarescu, L. (2020): Three Reactions, One Catalyst: A Multi-Purpose Platinum(IV) Complex and Its Silica-Supported Homologue for Environmentally Friendly Processes. *Appl. Organomet. Chem.*, *34* (3), 1–15. https://doi.org/10.1002/aoc.5422.

14. Shova, S.; Vlad, A.; **Damoc, M**.; Tiron, V.; Dascalu, M.; Novitchi, G.; Ursu, C.; Cazacu, M.* (2020): Nanoscale Coordination Polymer of Dimanganese(II) as Infinite, Flexible Nanosheets with Photo-Switchable Morphology. *Eur. J. Inorg. Chem*., *2020* (21), 2043–2054. https://doi.org/10.1002/ejic.202000098.

15. Shova, S.; Tiron, V.; Vlad, A.; Novitchi, G.; Dumitrescu, D. G.; **Damoc, M**.; Zaltariov, M. F.; Cazacu, M.* (2020): Permethylated Dinuclear Mn(III) Coordination Nanostructure with Stripe-Ordered Magnetic Domains. *Appl. Organomet. Chem.*, *34* (12), 1–11. https://doi.org/10.1002/aoc.5957.

Further publications:

A. Submitted publication without peer review process

1. Stoica, A. -C.; **Damoc, M**.; Bele, A.; Dascalu, M.; Macsim, A. -M.; Shova, S.; Dascalu, M.; Cazacua, M.*: A dense 3D metal-organic structure built by coordinating Cd(II) with conformationally flexible mixed ligands – an active filler for silicone elastomers.

* = *Corresponding author*

The following above mentioned publications have evolved from my doctoral dissertation: 1, 4, 7, 11, and 12.