

### Lista publikacji pracowników Instytutu Nauk Chemicznych w 2022 r.:

1. Golec, B.; Gorski, A.; Waluk, J.,  
Phosphorescence and Photophysical Parameters of Porphycene in Cryogenic Matrices  
*Photochem* 2022, 2, 217–224. <https://doi.org/10.3390/photochem2010016> .
2. Dobkowski, J.; Sazanovich, I. V.; Gorski, A.; Waluk, J.,  
Energy Relaxation of Porphycene in Atomic and Molecular Cryogenic Matrices  
*Photochem* 2022, 2, 299–307. <https://doi.org/10.3390/photochem2020021>.
3. Dobkowski, J.; Kijak, M.; Gawinkowski, S.; Karpiuk, E.; Pietrzak, M.; Sazanovich, I. V.;  
Waluk, J.,  
Solving the Puzzle of Unusual Excited-State Proton Transfer in 2,5-Bis(6-methyl-2-  
benzoxazolyl)phenol  
*J. Phys. Chem. A* 2022, 126, 11, 1823–1836, <https://doi.org/10.1021/acs.jpca.1c10030>.
4. D. Chodvadiya, M. H. Dalsaniya, N. N. Som, B. Chakraborty, D. Kurzydłowski, K. J.  
Kurzydłowski and P. K. Jha,  
*Int. J. Hydrogen Energy*, DOI:10.1016/j.ijhydene.2022.10.211.
5. D. Kurzydłowski,  
*RSC Adv.*, 2022, 12, 11436–11441.
6. B. R. Dhori, R. M. Sattigeri, P. K. Jha, D. Kurzydłowski and B. Chakraborty,  
*Mater. Adv.*, 2022, 3, 3938–3944.
7. K. Jakubow-Piotrowska, D. Kurzydłowski, P. Wrobel and J. Augustynski,  
*ACS Phys. Chem. Au*, 2022, 2, 299–304.
8. M. H. Dalsaniya, K. J. Kurzydłowski and D. Kurzydłowski,  
*Phys. Rev. B*, 2022, 106, 115128.
9. R. M. Sattigeri, B. R. Dhori, N. N. Som, P. K. Jha and D. Kurzydłowski,  
*Phys. status solidi – Rapid Res. Lett.*, 2022, 16, 2100657.
10. Ayerdurai, V., Lach, P., Cieplak, M., Lis-Cieplak, A., Kutner, W., Sharma, P. S.,  
Advantageous application of molecularly imprinted polymers in food processing and  
quality control.  
*Crit. Rev. Food Sci. Nutr.* 2022, (online),  
<https://doi.org/10.1080/10408398.2022.2132208>
11. Jyoti, Rybakiewicz-Sekita, R., Żołek, T., Maciejewska, D., Gilant, E., Buś-Kwaśnik, K.,  
Kutner, A., Noworyta, K. R., and Kutner, W.,  
Cilostazol-imprinted polymer film-coated electrode as an electrochemical chemosensor  
for selective determination of cilostazol and its active primary metabolite.  
*J. Mater. Chem. B* 2022, 10, 6707-6715 <https://doi.org/10.1039/D1TB02186A>.

12. Jyoti, Dmitrieva, E., Żołek, T., Maciejewska, D., Rybakiewicz-Sekita, R., Kutner, W., Noworyta, K. R.,  
An insight into the polymerization process of the selected carbazole derivatives - why does it not always lead to a polymer formation?  
*Electrochim. Acta* 2022, 429, 140948, <https://doi.org/10.1016/j.electacta.2022.140948>
13. Ayerdurai, V., Lach, P., Cieplak, M., Lis-Cieplak, A., Kutner, W., Sharma, P. S.,  
Advantageous application of molecularly imprinted polymers in food processing and quality control.  
*Crit. Rev. Food Sci. Nutr.* 2022, (online),  
<https://doi.org/10.1080/10408398.2022.2132208>.
14. R. Rybakiewicz-Sekita, M. Gryszel, G. Pathak, R. Ganczarczyk, M. Donahue, E. D. Glowacki,  
Well-defined electrochemical switching of amphiphilic glycolated poly(3,4-ethylenedioxythiophene),  
*J. Mater. Chem. C*, 2022, 10, 17208-17215. DOI: 10.1039/D2TC01448C.
15. R. Rybakiewicz-Sekita, P. Toman, R. Ganczarczyk, J. Drapala, P. Ledwon, M. Banasiewicz, L. Skorka, A. Matyjasiak, M. Zagorska, A. Pron,  
D-A-D compounds combining dithienopyrrole donors and acceptors of increasing electron withdrawing capability: synthesis, spectroscopy, electropolymerization and electrochromism,  
*J. Phys. Chem. B* 2022, 126, 22, 4089–4105. DOI: 10.1021/acs.jpcc.2c01772.
16. Mbakara, I.; Gajewska, A.; Listkowski, A.; Kijak, M.; Nawara, K.; Kumpulainen, T.; Vauthey, E.; Waluk,  
Spectroscopic investigation of photophysics and tautomerism of amino- and nitroporphycenes  
*J., Phys. Chem. Chem. Phys.* 2022, DOI: 10.1039/D2CP04555A.
17. Kisiel-Nawrot E., Pindjakova D., Latocha M., Bak A., Kozik V., Suwinska K., Sochanik A., A. Cizek, Jampilek J., Zięba A.  
Design, synthesis and antimicrobial properties of new tetracyclic quinobenzothiazine derivatives.  
*Int. J. Mol. Sci.* 2022, 23, 15078.
18. Lesniewska B., Coleman A. W., Suwinska K.  
Host-guest complexation of para-sulphonato-calix[4]arene receptor with biomolecules.  
*Cryst. Growth Des.* 2022, 22, 5947–5957.
19. Sulek M.W., Szczerek M., Przepiórka J.  
Physicochemical and tribological properties of aqueous solutions of hydrolysate and hydrolysate with surfactants as potential lubricant bases.

20. B. Macherzyński, M. Włodarczyk-Makuła, D. Andrzejewska-Górecka, M. Wszelaka-Rylik,  
Determination of toxic PAH concentrations for fermentation and evaluation of supernatants and sewage sludge toxicity using TEF indicators  
*Desalination and Water Treatment* 2022, 268, 182–193
21. J. Lipkowski, A. Bielejewska, O. Presly  
Pseudo-polymorphism of a Camphor  $\alpha$ -cyclodextrin Complex  
*Carbohydrate Research* 2022 520 108601, DOI10.1016/j.carres.2022.108601
22. M. Khalaj, A. Lalegani, K. Lyczko, J. Lipkowski,  
Studying the impact of NCS- anion and the steric hindrance of flexible N-donor ligands on the crystal engineering of the mercury(II) coordination polymer  
*Structural Chemistry* 2022, DOI 10.1007/s11224-022-02083-y
23. J. Lipkowski and A. Manakov  
Clathrate Hydrates - a Hope for the Fuel Industry and Great Ecological Hazard” in  
“Handbook of Research on Water Sciences and Society”, ICI Global Publishers, DOI:  
10.4018/978-1-7998-7356-3
24. J. Lipkowski  
Opracowania syntetyczne z zakresu niewiązanych oddziaływań w kompleksach inkluzyjnych: rozdział w zbiorowej monografii nt. „Supramolecular water”.