1. Żywociński, A., Bernatowicz, P., Pociecha, D., Górecka, E., & Gregorowicz, J. (2021). Investigation of the aggregation behaviour of the anionic surfactant sodium dodecyl sulfate in ionic liquids 1-allyl-3-methylimidazolium chloride and 1-Ethyl-3-methylimidazolium diethyl phosphate. *Journal of Molecular Liquids*, *343*, 117610.
2. Brown, S., Cruickshank, E., Storey, J. M., Imrie, C. T., Pociecha, D., Majewska, M., Gorecka, E. (2021). Multiple Polar and Non‐polar Nematic Phases. *ChemPhysChem*, *22*(24), 2506-2510.
3. Pociecha, D., Vaupotič, N., Majewska, M., Cruickshank, E., Walker, R., Storey, J. M., Gorecka, E. (2021). Photonic bandgap in achiral liquid crystals—a twist on a twist. *Advanced Materials*, *33*(39), 2103288.
4. Kwon, O., Cai, X., Qu, W., Liu, F., Szydłowska, J., Gorecka, E., Tschierske, C. (2021). Charge Transportation and Chirality in Liquid Crystalline Helical Network Phases of Achiral BTBT‐Derived Polycatenar Molecules. *Advanced Functional Materials*, *31*(28), 2102271.
5. Park, W., Yang, M., Park, H., Wolska, J. M., Ahn, H., Shin, T. J., Yoon, D. K. (2021). Directing Polymorphism in the Helical Nanofilament Phase. *Chemistry–A European Journal*, *27*(24), 7108-7113.
6. Walker, R., Pociecha, D., Storey, J. M., Gorecka, E., Imrie, C. T. (2021). Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O. m series. *Journal of Materials Chemistry C*, *9*(15), 5167-5173.
7. Bagiński, M., Pedrazo-Tardajos, A., Altantzis, T., Tupikowska, M., Vetter, A., Tomczyk, E., Lewandowski, W. (2021). Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. *ACS nano*, *15*(3), 4916-4926.
8. Walker, R., Majewska, M., Pociecha, D., Makal, A., Storey, J. M., Gorecka, E., Imrie, C. T. (2021). Twist‐bend nematic glasses: the synthesis and characterisation of pyrene‐based nonsymmetric dimers. *ChemPhysChem*, *22*(5), 461-470.
9. Parzyszek, S., Pociecha, D., Wolska, J. M., Lewandowski, W. (2021). Thermomechanically controlled fluorescence anisotropy in thin films of InP/ZnS quantum dots. *Nanoscale Advances*, *3*(18), 5387-5392.
10. Podoliak, N., Cigl, M., Hamplová, V., Pociecha, D., & Novotná, V. (2021). Multichiral liquid crystals based on terphenyl core laterally substituted by chlorine atom. *Journal of Molecular Liquids*, *336*, 116267.
11. Bubnov, A., Cigl, M., Penkov, D., Otruba, M., Pociecha, D., Chen, H. H., Hamplová, V. (2021). Design and Self-Assembling Behaviour of Calamitic Reactive Mesogens with Lateral Methyl and Methoxy Substituents and Vinyl Terminal Group. *Polymers*, *13*(13), 2156.
12. Novotna, V., Stulov, S., Pociecha, D., Hamplová, V., Fekete, L., Cigl, M. (2021). Mesogens with four-benzene molecular core and two lactate units in the chiral chain. *Liquid Crystals*, *48*(15), 2097-2105.
13. Novotná, V., Stulov, S., Hamplová, V., Cigl, M., & Pociecha, D. (2021). The cholesteric and TGB phases under the applied electric field. *Liquid Crystals*, *48*(9), 1283-1294.
14. Wolska, J. M., Błażejewska, A., Tupikowska, M., Pociecha, D., Górecka, E. (2021). Gold nanoparticles grafted with chemically incompatible ligands. *RSC Advances*, *11*(16), 9568-9571.
15. Grabovac, T., Gorecka, E., Pociecha, D., Vaupotič, N. (2021). Modeling of the Resonant X-ray Response of a Chiral Cubic Phase. *Crystals*, *11*(2), 214.
16. Boychuk, A., Shibaev, V., Cigl, M., Pomeisl, K., Hamplová, V., Pociecha, D., Bobrovsky, A. (2021). Photo-orientation Processes in Liquid Crystalline Polymethacrylates with Side Azobenzene Groups Having Lateral Methyl Substituents. *Macromolecules*, *54*(22), 10499-10509.
17. Kapuściński, S., Szczytko, J., Pociecha, D., Jasiński, M., Kaszyński, P. (2021). Discs, dumbbells and superdiscs: molecular and supermolecular architecture dependent magnetic behavior of mesogenic Blatter radical derivatives. *Materials Chemistry Frontiers*, *5*(17), 6512-6521.