

### List of publications of Dr. Dimitra Ladika

1. Navickas, M.\*, **Ladika, D.**, Orentas, E., Talaikis, M., Niaura, G., Grigalavičius, M., Gaidys, M., Fernández-Terán, R. J., Malinauskas, M. *Donor–acceptor complexes between photoinitiators and hybrid organic–inorganic SZ2080™ photoresist*. Materials Advances (2026). [Under review]
2. Stavrou, M.\*, Pramatioti, E., Zyla, G., **Ladika, D.**, Skentzos, G., Farsari, M., Juodkazis, S., Malinauskas, M., Gray, D., Couris, S.\* *Nonlinearity matters in light–matter interaction: multi-photon 3D lithography*. Research Square [Preprint] (2026)
3. Stavrou, M., **Ladika, D.**, Skliutas, E., Jukna, V., Gray, D., Farsari, M., Juodkazis, S., Malinauskas, M.\*. *Direct measurement of two-photon absorption and refraction properties of SZ2080™-based resists at 515 nm: Insights into 3D printing*. Nanophotonics, doi:10.1515/nanoph-2025-0066 (2025)
4. **Ladika, D.\***, Stavrou, M., Zyla, G., Parkatzidis, K., Androulidaki, M., Dumur, F., Farsari, M., Gray, D.\*. *High- and Low-Fluorescent Photoinitiators for Multiphoton Lithography*. ACS Applied Polymer Materials, 7 (15), 10108-10120, doi: 10.1021/acsapm.5c01802 (2025)
5. Harnik, A., Merkininkaitė, G., **Ladika, D.**, Čiburys, A., Kabouraki, E., Šakirzanovas, S., Farsari, M., Malinauskas, M.\*. *Laser 3D micro-/nano-structurization of luminescent materials*. Advanced Optical Materials, 13, 2500316, doi.org/10.1002/adom.202500316 (2025)
6. Stavrou, M.\*, Zyla, G., **Ladika, D.**, Dumur, F., Farsari, M., Gray, D.\*. *Push–pull carbazole-based dyes: Synthesis, strong ultrafast nonlinear optical response, and effective photoinitiation for multiphoton lithography*. ACS Applied Optical Materials. 2 (8), 1653–1666, DOI : 10.1021/acsaom.4c00241 (2024)
7. **Ladika, D.**, Butkus, A., Melissinaki, V., Skliutas, E., Kabouraki, E., Juodkazis, S\*., Farsari, M.\*, Malinauskas, M.\*. *X-photon 3D lithography by fs-oscillators: Wavelength-independent and photoinitiator-free*. Light: Advanced Manufacturing 5, 48, doi : 10.37188/lam.2024.048 (2024)
8. Zyla, G.\*, Maconi, G., Nolvi, A., Marx, J., **Ladika, D.**, Salmi, A., Melissinaki, V., Kassamakov, I., Farsari, M.: *3D micro-devices for enhancing the lateral resolution in optical microscopy*. Light: Advanced Manufacturing 5, 17, doi : 10.37188/lam.2024.019 (2024)
9. Wang, H., Zhang, W., **Ladika, D.**, Yu, H., Gailevičius, D., Wang, H., Pan, C.-F., Nair, P. N. S., Ke, Y., Mori, T., Chan, J. Y. E., Ruan, Q., Farsari, M., Malinauskas, M., Juodkazis, S., Gu, M., Yang, J. K. W.\*. *Two-photon polymerization lithography for optics and photonics: Fundamentals, materials, technologies, and applications*. Advanced Functional Materials, 33, 2214211, doi.org/10.1002/adfm.202214211 (2023)

10. Sereikaite, V., Navaruckiene, A., Jaras, J., Skliutas, E., **Ladika, D.**, Gray, D., Malinauskas, M., Talacka, V., Ostrauskaite, J.\*. *Functionalized soybean oil- and vanillin-based dual cure photopolymerizable system for light-based 3D structuring*. *Polymers* 14 (24), 5361, doi.org/10.3390/polym14245361 (2022)
11. **Ladika, D.**, Noirbent, G., Dumur, F., Gigmes, D., Mourka, A., Barmparis, G. D., Farsari, M.\*, Gray, D.\*. *Synthesis and application of triphenylamine-based aldehydes as photo-initiators for multi-photon lithography*. *Applied Physics A* 128, 745, doi.org/10.1007/s00339-022-05887-1 (2022)