

Mateusz Hajdel

Lista publikacji

1. Hajdel, M., Chlipała, M., Siekacz, M., Turski, H., Wolny, P., Nowakowski-Szkudlarek, K., Feduniewicz-Żmuda, A., Skierbiszewski, C., Muziol, G. (2022). Dependence of InGaN Quantum Well Thickness on the Nature of Optical Transitions in LEDs, *Materials*, 15(1), 237. <https://doi.org/10.3390/ma15010237>
2. Muziol, G., Hajdel, M., Turski, H., Nomoto, K., Siekacz, M., Nowakowski-Szkudlarek, K., Żak, M., Jena, D., Xing, H. G., Perlin, P., Skierbiszewski, C. (2020). Distributed-feedback blue laser diode utilizing a tunnel junction grown by plasma-assisted molecular beam epitaxy, *Optics Express* Vol. 28, Issue 23, pp. 35321-35329. <https://doi.org/10.1364/OE.405994>
3. Uhlig, L., Tapaß, J., Hajdel, M., Muziol, G., and Schwarz U.T. (2023). Transition between quantum confinement and bulklike behavior in polar quantum wells, *PHYSICAL REVIEW B* 108 045304. <https://doi.org/10.1103/PhysRevB.108.045304>
4. Żak, M., Muziol, G., Siekacz, M., Bercha, A., Hajdel, M., Nowakowski-Szkudlarek, K., Lachowski, A., Chlipała, M., Wolny, P., Turski, H., Skierbiszewski, C. (2023). Bidirectional light-emitting diode as a visible light source driven by alternating current. *Nat Commun* 14, 7562. <https://doi.org/10.1038/s41467-023-43335-7>
5. Muziol, G., Turski, H., Nowakowski-Szkudlarek, K., Hajdel, M., Wolny, P., Siekacz, M., Skierbiszewski, C. (2019). Distributed feedback laser diode and method of making the same, (European Patent No. EP3767762A1). European Patent Office. <https://data.epo.org/gpi/EP3767762A1>