

# PUBLIKAČNÍ LIST

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## Publikace se vztahem k tématu studie k disertační práci:

### Publikace v impaktovaných časopisech:

- [A1] **Huang Zhou**, Jan Pilar, Martin Smrz, Liyuan Chen, Miroslav Cech, and Tomas Mocek. "Adaptive optics system for short wavelength mid-IR laser based on a Shack–Hartmann wavefront sensor and analysis of thermal noise impacts," *Applied Optics*, Vol. 61, No. 26 (2022). DOI: 10.1364/AO.464676
- [A2] **Huang Zhou**, Ondrej Novak, Martin Smrz, Liyuan Chen, Lukáš Roškot, Bianka Csanaková, Michal Chyla, Miroslav Čech, Tomáš Mocek. "Experimental study on the fluctuation-magnification effect of CVBG compressor in high energy ultrafast thin-disk CPA system," *Optical Engineering*, Vol. 61, Issue 10, 106103 (2022). <https://doi.org/10.1117/1.OE.61.10.106103>
- [A3] Liyuan Chen, Jaroslav Huynh, **Huang Zhou**, Michal Chyla, Martin Smrz, and Tomáš Mocek. "Generating 84 fs, 4 nJ directly from an Yb-doped fiber oscillator by optimization of the net dispersion." *Laser Physics* 29, no. 6 (2019): 065105. DOI: 10.1088/1555-6611/ab0feb

### Sborník z konference

- [A4] **Huang Zhou**, Michal Chyla, Siva Sankar Nagisetty, Liyuan Chen, Akira Endo, Martin Smrz, and Tomas Mocek. "A practical model of thin disk regenerative amplifier based on analytical expression of ASE lifetime." In *Photonics, Devices, and Systems VII*, vol. 10603, pp. 6-11. SPIE, 2017. DOI: 10.1117/12.2292319
- [A5] Denisa Štěpánková, **Huang Zhou**, Seryeyohan Cho, Jiří Mužík, Ondřej Novák, Martin Smrz, and Tomáš Mocek. "Influence of the CVBG compressor on output parameters of high-power and high-energy laser beam." In *Advanced Solid State Lasers, pp. JM3A-1*. Optical Society of America, 2021. DOI: 10.1364/ASSL.2021.JM3A.1

### Konference bez sborníku

- [A6] **Huang Zhou**, Michal Chyla, Jakub Horacek, Pavel Crha, Jiri Muzik, Ondrej Novak, Martin Smrz, and Tomas Mocek. "100 W industrial thin disk regenerative amplifier," In *International Conference on Advanced Laser Technologies (ALT) HiLASE-O-3*, 2019. DOI: 10.24411/9999-011A-2019-00201
- [A7] **Huang Zhou**, Michal Chyla, Pavel Crha, Jakub Horacek, Pavel Crha, Jiri Muzik, Ondrej Novak, Martin Smrz, and Tomas Mocek. "100 W TRL-6 thin-disk laser for industrial applications," In *Optics + Optoelectronics*, SPIE, 3-4 April 2019, Prague.
- [A8] **Huang Zhou**, Jan Pilar, Martin Smrz, and Tomas Mocek. "Adaptive optics system for mid-IR laser source," In *The XXIII International Symposium on High-Power Laser Systems and Applications*, 13-16 June 2022, Prague.

**Další práce autora: Sborník z konference**

- [A9] Michal Chyla, Siva S. Nagisetty, Patricie Severova, **Huang Zhou**, Martin Smrz, Akira Endo, and Tomas Mocek. "Generation of 1-J bursts with picosecond pulses from Perla B thin-disk laser system." In *Solid State Lasers XXVII: Technology and Devices*, vol. 10511, pp. 90-98. SPIE, 2018. DOI: 10.1117/12.2291386