

**Jméno, příjmení, titul žadatele:**

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**Seznam publikovaných prací:**

Počet citací je uváděn k datu 6. 1. 2022.

**Publikace k tématu disertační práce**

1. M. Kamrádek, J. Aubrecht, P. Vařák, J. Cajzl, V. Kubeček, P. Honzátko, I. Kašík, P. Peterka, "Energy transfer coefficients in thulium-doped silica fibers," *Optical Materials Express* **11**(6), 1805-1814 (2021).  
Počet citací: 0
2. P. Vařák, J. Mrázek, A. A. Jasim, S. Bysakh, A. Dhar, M. Kamrádek, O. Podrazký, I. Kašík, I. Bartoň, P. Nekvindová, "Thermal stability and photoluminescence properties of RE-doped (RE = Ho, Er, Tm) alumina nanoparticles in bulk and fiber-optic silica glass," *Optical Materials* **118**, (2021).  
Počet citací: 1
3. P. Vařák, J. Mrázek, W. Blanc, J. Aubrecht, M. Kamrádek, O. Podrazký, P. Honzátko, "Nanocrystalline ZrO<sub>2</sub>-doped active optical fibers for fiber lasers operating at 2 μm," in *Proceedings of SPIE 11773, Micro-structured and Specialty Optical Fibres VII*, 1177317 (2021).  
Počet citací: 0
4. F. Todorov, J. Aubrecht, P. Peterka, O. Schreiber, A. A. Jasim, J. Mrázek, O. Podrazký, M. Kamrádek, N. Kanagaraj, M. Grábner, Y. Baravets, J. Cajzl, P. Koška, A. Fišar, I. Kašík, P. Honzátko, "Active optical fibers and components for fiber lasers emitting in the 2-μm spectral range," *Materials* **13**(22), (2020).  
Počet citací: 6
5. J. Aubrecht, P. Peterka, P. Honzátko, O. Moravec, M. Kamrádek, I. Kašík, "Broadband thulium-doped fiber ASE source," *Optics Letters* **45**(8), 2164-2167 (2020).  
Počet citací: 6
6. M. Kamrádek, J. Aubrecht, M. Jelínek, M. Frank, P. Peterka, P. Honzátko, J. Mrázek, P. Vařák, O. Podrazký, F. Todorov, V. Kubeček, and I. Kašík, "Holmium-doped fibers for efficient fiber lasers at 2100 nm," in *OSA High-brightness Sources and Light-driven Interactions Congress 2020*, OSA Technical Digest (2020).  
Počet citací: 0
7. M. Kamrádek, I. Kašík, J. Aubrecht, J. Mrázek, O. Podrazký, J. Cajzl, P. Vařák, V. Kubeček, P. Peterka, P. Honzátko, "Holmium-doped optical fibers for efficient fiber lasers," in *Proceedings of SPIE 11355, Micro-Structured and Specialty Optical Fibres VI*, 113550C (2020).  
Počet citací: 1

8. P. Vařák, J. Mrázek, W. Blanc, J. Aubrecht, M. Kamrádek, O. Podrazký, "Preparation and properties of Tm-doped SiO<sub>2</sub>-ZrO<sub>2</sub> phase separated optical fibers for use in fiber lasers," *Optical Materials Express* **10**(6), 1383-1391 (2020).  
Počet citací: 6
9. I. Kašík, V. Matějec, M. Hayer, M. Kamrádek, O. Podrazký, J. Mrázek, P. Peterka, P. Honzátka, "Glass materials for optical fibers," *Ceramics-Silikáty* **64**(1), 29-34 (2020).  
Počet citací: 1
10. M. Kamrádek, I. Kašík, J. Aubrecht, J. Mrázek, O. Podrazký, J. Cajzl, P. Vařák, V. Kubeček, P. Peterka, P. Honzátka, "Nanoparticle and solution doping for efficient holmium fiber lasers," *IEEE Photonics Journal* **11**(5), 1-10 (2019).  
Počet citací: 16
11. I. Kasik, M. Kamradek, J. Aubrecht, P. Peterka, O. Podrazky, J. Cajzl, J. Mrazek, P. Honzatkan, "Thulium-doped optical fibers for fiber lasers operating around 2 μm," *Bulletin of the Polish Academy of Sciences: Technical Sciences* **67**(5), 981-986 (2019).  
Počet citací: 3
12. K. Nithyanandan, A. Theodosiou, J. Aubrecht, P. Peterka, M. Kamrádek, K. Kalli, I. Kašík, P. Honzátka, "All fiber mode-locked thulium-doped fiber laser using a novel femtosecond-laser-inscribed 45°-plane-by-plane-tilted fiber grating," *Laser Physics Letters* **16**(9), 095104 (2019).  
Počet citací: 10
13. M. Kamrádek, J. Aubrecht, P. Peterka, O. Podrazký, P. Honzátka, J. Cajzl, J. Mrázek, V. Kubeček, I. Kašík, "Spectroscopic characterization of holmium-doped optical fibers for fiber lasers," in *Proceedings of SPIE 11029, Micro-structured and Specialty Optical Fibres VI*, 1102908 (2019).  
Počet citací: 3
14. M. Kamrádek, J. Aubrecht, P. Peterka, O. Podrazký, P. Honzátka, J. Cajzl, J. Mrázek, V. Kubeček, I. Kašík, "Thulium-doped optical fibers for fiber lasers," in *Proceedings of SPIE 10603, Photonics, Devices, and Systems*, 106030V (2017).  
Počet citací: 1
15. J. Aubrecht, P. Peterka, P. Honzátka, F. Todorov, O. Podrazký, M. Kamrádek, J. Proboštová, I. Kašík, "Monolithic thulium-doped fiber laser," in *Proceedings of SPIE 10603, Photonics, Devices and Systems VII*, 106030L (2017).  
Počet citací: 2

16. J. Cajzl, P. Peterka, P. Honzátko, O. Podrazký, M. Kamrádek, J. Aubrecht, J. Proboštová, I. Kašík, "Evaluation of energy transfer coefficients in Tm-doped fibers for fiber lasers," in *Proceedings of SPIE 10603, Photonics, Devices, and Systems VII*, 106030G (2017).  
Počet citací: 2
17. M. Kamrádek, J. Aubrecht, P. Peterka, O. Podrazký, P. Honzátko, J. Cajzl, J. Mrázek, V. Kubeček and I. Kašík, "Spectral properties of thulium doped optical fibers for fiber lasers around 2 micrometers," in *Proceeding of SPIE 10232, Micro-structured and Specialty Optical Fibres V*, 1023205 (2017).  
Počet citací: 3

### **Ostatní publikace**

1. A. A. Jasim, P. Peterka, O. Podrazký, M. Kamrádek, F. Todorov, P. Honzátko, "Efficient approach to designing low OH diffusion in the thermally shaped double-clad fibers," *Optical Fiber Technology* **63**, (2021).  
Počet citací: 1
2. A. A. Jasim, O. Podrazký, P. Peterka, M. Kamrádek, I. Kašík, P. Honzátko, "Impact of shaping optical fiber preforms based on grinding and a CO<sub>2</sub> laser on the inner-cladding losses of shaped double-clad fibers," *Optics Express* **28**(9), 13601-13615 (2020).  
Počet citací: 6
3. A. A. Jasim, O. Podrazký, P. Peterka, F. Todorov, M. Kamrádek, and P. Honzátko, "OH diffusion control in the shaped optical fiber preforms based on CO<sub>2</sub> laser," in *OSA Advanced Photonics Congress*, OSA Technical Digest, paper SoM3H.5 (2020).  
Počet citací: 0
4. O. Podrazký, A. A. Jasim, P. Peterka, M. Kamrádek, J. Aubrecht, I. Kašík, P. Honzátko, "Double-clad active MOF and shaped optical fibers for fiber lasers and amplifiers," in *22nd International Conference on Transparent Optical Networks*, 1-4 (2020).  
Počet citací: 0
5. P. Peterka, P. Koška, A. A. Jasim, N. Kanagaraj, J. Aubrecht, M. Kamrádek, O. Podrazký, F. Todorov, I. Kašík, P. Honzátko, "Enhanced Pump Absorption Efficiency in Coiled and Twisted Double-Clad Fibers for Fiber Lasers," in *21st International Conference on Transparent Optical Networks*, 1-4 (2019).  
Počet citací: 0
6. A. A. Jasim, J. Aubrecht, P. Peterka, M. Kamrádek, O. Podrazký, F. Todorov, I. Kašík, P. Honzátko, "Efficient pump absorption in twisted double clad thulium-doped fibers drawn of CO<sub>2</sub> laser shaped preform," in *2019 Conference on Lasers and Electro-Optics Europe and European Quantum Electronics Conference*, 1-1 (2019).  
Počet citací: 7

7. M. Kamrádek, I. Kašík, P. Peterka, J. Aubrecht, O. Podrazký, P. Honzátko, J. Mrázek, V. Kubeček, "Silica- and germanate-based rare earth doped glasses for fiber lasers," in *Proceedings of SPIE 10683, Fiber Lasers and Glass Photonics: Materials through Applications*, 106832L (2018).

Počet citací: 1

8. J. Aubrecht, P. Peterka, P. Koška, P. Honzátko, M. Jelínek, M. Kamrádek, M. Frank, V. Kubeček, I. Kašík, "Spontaneous laser-line sweeping in Ho-doped fiber laser," in *Proceedings of SPIE 10083, Fiber Lasers XIV*, 100831V (2017).

Počet citací: 3