

PUBLICATION LIST

DISSERTATION RELEVANT

Publications in impact journals

No.		Citation
1	F. Yue, V. Jambunathan, S. P. David, X. Mateos, J. Šulc, Martin Smrz, and T. Mocek, "Diode-pumped master oscillator power amplifier system based on cryogenically cooled Tm:Y ₂ O ₃ transparent ceramics," <i>Opt. Mater. Express</i> , (2021). (submitted)	0
2	F. Yue, V. Jambunathan, S. P. David, X. Mateos, M. Aguiló, F. Díaz, J. Šulc, A. Lucianetti, and T. Mocek, "Spectroscopy and diode-pumped continuous-wave laser operation of Tm: Y ₂ O ₃ transparent ceramic at cryogenic temperatures," <i>Appl. Phys. B</i> 126, 44 (2020).	3

Conference proceedings

No.		Citation
1	F. Yue, V. Jambunathan, S. P. David, X. Mateos, J. Šulc, A. Lucianetti, and T. Mocek, "Development of high average and peak power laser around 2 μm based on cryogenically cooled Tm:Y ₂ O ₃ transparent ceramic," in <i>OSA High-brightness Sources and Light-driven Interactions Congress 2020 (EUVXRAY, HILAS, MICS)</i> , paper JW1A.30 (2020).	0

ADDITIONAL WORK

Publications in impact journals

No.		Citation
1	J. Körner, V. Jambunathan, F. Yue, J. Reiter, O. Slezak, A. Lucianetti, J. Hein, T. Mocek, and M. C. Kaluza, "Pulse pumped, cryogenically cooled, q-switch Tm:YAG laser at 1.88 μm ," <i>High Power Laser Sci.</i> 9, E11 (2021).	0
2	F. Yue, P. Loiko, M. Chen, J. M. Serres, Y. Wang, J. Li, L. Basyrova, E. Dunina, A. Kornienko, L. Fomicheva, S. Dai, Z. Chen, J. E. Bae, T. G. Park, F. Rotermund, V. Jambunathan, A. Lucianetti, T. Mocek, M. Aguiló, F. Díaz, U. Griebner, V. Petrov, and X. Mateos, "Spectroscopy and diode-pumped laser operation of transparent Tm:Lu ₃ Al ₅ O ₁₂ ceramics produced by solid-state sintering," <i>Opt. Express</i> 28, 28399-28413 (2020).	0

3	S. P. David, V. Jambunathan, F. Yue , A. Lucianetti, and T. Mocek, "Diode Pumped Cryogenic Yb:Lu ₃ Al ₅ O ₁₂ Laser in Continuous Wave and Pulsed Regime," Opt. Laser Technol. 135, 106720 (2021).	0
4	S. P. David, V. Jambunathan, F. Yue , B. J. Le Garrec, A. Lucianetti, and T. Mocek, "Laser performances of diode pumped Yb:Lu ₂ O ₃ transparent ceramic at cryogenic temperatures," Opt. Mater. Express 9, 4669-4676 (2019).	1
5	S. P. David, V. Jambunathan, F. Yue , A. Lucianetti, and T. Mocek, "Efficient diode pumped Yb:Y ₂ O ₃ cryogenic laser," Appl. Phys. B 125, 137 (2019).	2
6	S. P. David, V. Jambunathan, F. Yue , P. Navratil, M. Mika, A. Lucianetti, and T. Mocek, "Effect of Gd ³⁺ /Ga ³⁺ on Yb ³⁺ emission in mixed YAG at cryogenic temperature," Ceram. Int. 45, 9418-9422 (2019).	1
7	P. Navratil, V. Jambunathan, S. P. David, F. Yue , J. M. Serres, X. Mateos, M. Aguiló, F. Díaz, U. Griebner, V. Petrov, A. Lucianetti, and T. Mocek, "Continuous-wave and passively Q-switched cryogenic Yb:KLu(WO ₄) ₂ laser," Opt. Express 25, 25886-25893 (2017).	0
8	V. Jambunathan, P. Navratil, T. Miura, F. Yue , A. Endo, A. Lucianetti, and T. Mocek, "Cryogenic Yb:YGAG ceramic laser pumped at 940 nm and zero-phonon-line: a comparative study," Opt. Mater. Express 7, 477-483 (2017).	2

Conference proceedings

No.		Citation
1	M. Chen, P. Loiko, F. Yue , V. Jambunathan, A. Lucianetti, T. Mocek, J. M. Serres, M. Aguiló, F. Díaz, T. G. Park, J. E. Bae, F. Rotermund, X. Xu, J. Xu, S. Dai, Z. Chen, U. Griebner, V. Petrov, X. Mateos, and A. Major "Multi-watt continuous-wave and passively Q-switched Tm:CaYAlO ₄ micro-lasers", Proc. SPIE 11259, Solid State Lasers XXIX: Technology and Devices, 1125927 (2020).	0
2	F. Yue , V. Jambunathan, S. P. David, J. Reiter, J. Körner, D. Klöpfel, J. Hein, M. C. Kaluza, A. Lucianetti, and T. Mocek "Diode-pumped cryogenic Tm:LiYF ₄ laser", Proc. SPIE 11033, High-Power, High-Energy, and High-Intensity Laser Technology IV, 110330E (2019).	1