

Tian Qingyu

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 Dunkerque, France
 1993-07 Female



Education

Université du Littoral Côte d'Opale (ULCO)	Apr 2020
Electronics, microelectronics, nanoelectronics and microwave Doctor Unité de Dynamique et Structure des Matériaux Moléculaires EA 4476 (UDSMM)	Dunkerque
Xiamen University	Sep 2017 - Jun 2020
Electronic and Communication Engineering master GPA: 3.37/4.00	Xiamen
North China University of Water Resources and Electric Power	Sep 2012 - Jul 2016
Communication Engineering bachelor GPA: 3.50/4.00	Zhengzhou

Publications

- **Qingyu Tian**, Bin Xu, Nan Li, et al. "Direct generation of orthogonally polarized dual-wavelength continuous-wave and passively Q-switched vortex beam in diode-pumped Pr:YLF lasers," *Opt. Letters*, **44(22), 5586-5589(2019).**
- **Qingyu Tian**, Peng Yin, Teng Zhang, et al. "MXene Ti3C2Tx saturable absorber for passively Q-switched mid-infrared laser operation of femtosecond-laser-inscribed Er:Y2O3 ceramic channel waveguide," *Nanophotonics*, **0(0), pp. -**. Retrieved 8 Mar. 2020, from doi:10.1515/nanoph-2020-0005.
- **Qingyu Tian**, Bin Xu, Yunshan Zhang, et al. "1.83- μ m high-power and high-energy light source based on 885-nm in-band diode-pumped Nd:YAG bulk laser operating on 4F3/2 \rightarrow 4I15/2 transition," *Opt. Express* **27, 12565-12571 (2019).**
- Yaqi Cai, Bin Xu, Yunshan Zhang, **Qingyu Tian**, et al. "High power and energy generation in a Nd:YAG single-crystal fiber laser at 1834 nm," *Photon. Res.* **7,162-166 (2019).**
- Yuzhao Zhang, Bin Xu, **Qingyu Tian**, et al. "Sub-15-ns Passively Q-Switched Er: YSGG Laser at 2.8- μ m With Fe: ZnSe Saturable Absorber," *IEEE Photonics Technology Letters*, **31(7), 565-568(2019).**

Honors & Awards

Outstanding Graduates of Henan Province	2016
Outstanding Graduates of North China University of Water Resources and Electric Power	2016
Merit Student of Henan Province	2014
National Encouragement scholarship	2014
Undergraduate First Prize Scholarship	2013

LEADERSHIP EXPERIENCE

North China University of Water Resources and Electric Power Love Mutual Fund	Apr 2013 - Sep 2015
Secretary General Secretariat	Zhengzhou

- Participated in the formulation of the foundation charter
- Managed and coordinated the work of three executive departments, Communicated with members of the secretariat
- Organized and held the meeting of the Council, summarized and reported work progress to the Council
- Introduced Love Mutual Fund to students by holding 14 speaking Tours, received a donation of 720,000 yuan and supported 13 students in my tenure

MISCELLANEOUS

- **Skills:** MATLAB(Proficient), Origin(Proficient), Visio(Proficient), Word (Proficient), PowerPoint (Proficient), Python (Basic)
- **Interests:** Cooking, Running, Play badminton, Reading, Traveling.

RESEARCH EXPERIENCE

Experiment on neodymium-doped and praseodymium-doped crystals

- Recorded and analyzed the data of experiments using Origin, and wrote the data analysis part of the paper

Realization of vortex beam, passively Q-switching and mode-locking properties in visible laser

- Mastered the method of vortex beam inside and outside cavity, and realized LG01 vortex mode by rotating the crystal
- Realized pulse laser by designing long cavity (Z- and X-cavity)and short cavity and using proper saturable absorber and 2D materials