

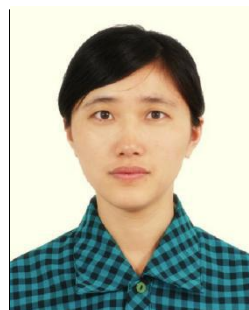
段延敏

(博士/硕导/副教授)

温州大学数理学院
浙江温州, 325035
Email: ymduan@wzu.edu.cn

教育背景

2009年9月-2012年7月 博士研究生,
中科院福建物质结构研究所, 凝聚态物理博士
2005年9月-2008年7月 硕士研究生,
福建师范大学物光学院, 光学工程硕士
2001年9月-2005年7月 本科生,
南阳师范学院物理系, 物理学学士



经历

工作经历

2019年6月-至今 副教授, 温州大学数理学院
2017年1月-2019年6月 副教授, 温州大学数理与电子信息工程学院
2012年7月-2016年12月 讲师, 温州大学物理与电子信息工程学院
2008年3月-2009年3月 工程师, 福建福晶科技股份有限公司

学术交流经历

2016年5月-2019年4月 博士后, 深圳大学光电科技协同创新中心
2012年7月-2013年1月 访问学者, 新加坡南洋理工大学

教学经历

2013年3月-至今 讲授课程

<input type="radio"/> 大学物理	<input type="radio"/> 非线性光学
<input type="radio"/> 线性代数	<input type="radio"/> 高等物理光学

研究方向

1. 全固激光技术与非线性光学
2. 新型光电材料性能研究

荣誉和奖励

1. 瓯江特聘教授 D 类 (2019 年)
2. 温州市“551 人才工程”第二层次 (2016 年)
3. 温州市“551 人才工程”第三层次 (2014 年)
4. 物华教学基金会“物华园丁奖” (2020)
5. 东海潮王孝安科创名师 (2020)
6. 温州大学校优秀毕业设计指导老师 (2017、2018 年)
7. 物华教学基金会“物华特别奖” (2015)
8. 温州大学“工会活动积极分子” (2015)

主持和参与项目

主持学术项目

1. 国家自然科学基金 (61505147), 基于自级联光参量振荡技术的 2.7 微米波段激光特性及器件研究, 研究年限: 2016.01-2018.12
2. 中国博士后科学基金特别资助 (2017T100642), 内腔级联与新波长泵浦 OPO 中红外激光器件及性能研究, 研究年限: 2017.06-2019.05
3. 中国博士后科学基金面上资助 (2016M602508), 内腔式级联 KTA-OPO 技术及 2.5-2.7 μm 波段激光研究, 研究年限: 2016.11-2019.05
4. 浙江省公益技术应用研究项目 (2015C35017), 中红外连续可调谐光参量振荡激光技术及器件集成, 研究年限: 2016.01-2017.12
5. 浙江省自然科学基金一般项目 (Y19F050031), 磷酸钛氧铷晶体级联拉曼自混频激光性能研究, 研究年限: 2019.01-2021.12
6. 浙江省自然科学基金青年项目 (LQ13F050004), 高阶自拉曼特性及其混频可见波段激光器研究, 研究年限: 2013.01-2015.12
7. 中科院重点实验室开放基金 (2008DP173016), 中红外 3~5 μm 宽波段连续可调谐激光研究, 研究年限: 2013.01-2015.12
8. 温州市基础性科研项目 (G20180013), 级联光参量振荡技术及在中红外光源中的应用, 研究年限: 2018.12-2020.12

论文

学术论文

1. Yinglu Sun, **Yanmin Duan***, Li Zhang, Zhouyi Yang, Xiang Chen, Xiaohong Huang, and Haiyong Zhu, Efficient actively Q-switched Nd:YAP/YVO₄ Raman laser operation at 1195nm, *Journal of Russian Laser Research*(2020)
2. Yinglu Sun, **Yanmin Duan***, Li Zhang, Xiang Chen, Lifen Yan, Ge Zhang, and Haiyong Zhu, Second-harmonic generation of Nd:YAlO₃/YVO₄ Raman laser optimization for orange emission, *Japanese Journal of Applied Physics* 59, 042004 (2020)
3. **Yanmin Duan**, Yinglu Sun, Haiyong Zhu, Tingwei Mao, Li Zhang, and Xiang Chen, YVO₄ cascaded Raman laser for five-visible-wavelength switchable emission, *Optics Letters* 45, 2564-2567(2020)
4. S.M Chen, M.Y. Cheng, H.Y. Zhu, T.W.Mao, X.M.Zhang, Q.Q.Zhou, G.Zhang, **Y.M.Duan***, Orange, yellow and green emissions generated in Q-switched Nd:YAlO₃/YVO₄ Raman laser, *Journal of Luminescence* 214,116555 (2019)
5. Tingwei Mao, **Yanmin Duan***, Simeng Chen, Mengyao Chen, Ximei Zhang, Qingqing Zhou, and Haiyong Zhu, Yellow and Orange Light Selectable Output Generated by Nd:YAP/YVO₄/LBO Raman Laser, *IEEE Photonics Technology Letters* 31,1112-1115(2019)
6. Q.Q.Zhou, S.C.Shi, S.M.Chen, **Y.M.Duan***, X.M.Zhang, J.Guo, B.Zhao, H.Y.Zhu, First-Stokes Wavelengths at 1175.8 and 1177.1 nm Generated in a Diode End-Pumped Nd:YVO₄/LuVO₄ Raman Laser, *Chinese Physics Letters* 36, 014205 (2019)
7. **Yanmin Duan**, Jing Zhang, Haiyong Zhu, Yongchang Zhang, Changwen Xu, Hongyan Wang, and Dianyuan Fan, Compact passively Q-switched RbTiOPO₄ cascaded Raman operation, *Optics Letters* 43, 4550-4553 (2018)
8. Yongchang Zhang, **Yanmin Duan***, Zhenguo Wang, Dong Zhang, Jing Zhang, Yaoju Zhang, and Haiyong Zhu, Continuous-Wave Widely Tunable MgO:PPLN Optical Parametric Oscillator With Compact Linear Cavity, *IEEE Photonics Technology Letters* 30,1756-1759(2018)
9. Jin Guo, Haiyong Zhu, Simeng Chen, **Yanmin Duan***, Xinrong Xu, Changwen Xu, Dianyuan Tang, Yellow, Lime and Green Emission Selectable by BBO Angle Tuning in Q-switched Nd:YVO₄ Self-Raman Laser, *Laser Physics Letters* 15, 075803(2018)
10. Haiyong Zhu, Junhong Guo, **Yanmin Duan***, Jing Zhang, Yongchang Zhang, Changwen Xu, Hongyan Wang, and Dianyuan Fan, Efficient 1.7 μm light source based on KTA-OPO derived by Nd:YVO₄ self-Raman laser, *Optics Letters* 43,

345-348 (2018)

11. Haiyong Zhu, Yongchang Zhang, **Yanmin Duan***, Ye Yu, Changwen Xu, Xiaodong Xu, Dongzhen Li, Jian Zhang, Jun Xu, Disordered Nd:CaYAlO₄ crystal lasing at 1069, 1080 and 1363 nm, *Journal of Luminescence* 195,225-227(2018)
12. **Yanmin Duan**, Jing Zhang, Junhong Guo, Haiyong Zhu, Yongchang Zhang, Changwen Xu, Hongyan Wang, and Yaoju Zhang, Potassium titanyl arsenate based cascaded optical parametric oscillator emit at 2.5 μ m derived by neodymium-doped yttrium lithium fluoride laser, *Japanese Journal of Applied Physics* 57, 040304 (2018)
13. Yongchang Zhang, Zhenguo Wang, Qingqing Zhou, Jing Zhang, Haiyong Zhu, Changwen Xu, and **Yanmin Duan***, Efficient intra-cavity continuous-wave periodically poled lithium niobate-doped MgO optical parametric oscillator with compact V-type cavity, *Japanese Journal of Applied Physics* 57, 100311 (2018)
14. Liying Zhang, Pengfei Wei, Meiyang Qin, Xiaolong Yuan, Candong Liu, Tao Geng, Haiyong Zhu, **Yanmin Duan***, Songlin Zhuang, Peixiang Lu, and Dong Eon Kim, Collisional dynamics in laser-induced plasmas: evidence for electron-impact excitation, *Optics Express* 26, 10392-10399 (2018)
15. Haiyong Zhu, Yongchang Zhang, Jing Zhang, Yaoju Zhang, **Yanmin Duan***, Xiukai Ruan, Jian Zhang, and Dingyuan Tang, 1.96- μ m Tm:YAG Ceramic Laser, *IEEE Photonics Journal*, 9,1506607(2017)
16. Junhong Guo, **Yanmin Duan***, Hongyan Wang, Haiyong Zhu, Pengfei Wei, Jian Zhang, Luming Zhao, Dingyuan Tang, Efficient Nd:YAG\KTiOAsO₄ cascaded Raman laser emitting around 1.2 μ m, *Optical Materials* 71, 66-69(2017)
17. **Yanmin Duan**, Haiyong Zhu, Changwen Xu, Xiukai Ruan, Guihua Cui, Yaoju Zhang, Dingyuan Tang, and Dianyuan Fan, Compact self-cascaded KTA-OPO for 2.6 μ m laser generation, *Optics Express* 24, 26529-26535 (2016)
18. **Y.M.Duan**, X.Q.Liao, C.W.Xu, B.Zhao, Y.Yu, D.Zhang, H.Y.Zhu, Selection of π - and σ -polarization laser emission in Nd:Lu_{0.5}Y_{0.5}VO₄ mixed crystal, *Materials Letters* 183, 23–25(2016)
19. **Y.M.Duan**, H.Y.Zhu, Y.J.Zhang, G.Zhang, J.Zhang, D.Y.Tang, A.A.Kaminskii, RbTiOPO₄ cascaded Raman operation with multiple Raman frequency shifts derived by Q-switched Nd:YAlO₃ laser, *Scientific Reports* 6, 33852(2016)
20. **Yanmin Duan**, Haiyong Zhu, Hongyan Wang, Yaoju Zhang, and Zhenqiang Chen, Comparison of 1.15 μ m Nd:YAG\KTA Raman lasers with 234 and 671 cm⁻¹ shifts, *Optics Express* 24, 5565-5571 (2016)
21. **Yanmin Duan**, Haiyong Zhu, Hongyan Wang, Peifei Wei, Congwei Zheng, and Yaoju Zhang, Dual-RbTiOPO₄ optical parametric oscillator producing orthogonally polarized 1.6 μ m laser, *IEEE Photonics Technology Letters*

27,359-362(2015)

22. Wei-Yang Cai, **Yan-Min Duan**, Jiang-Tao Li, Lin-Fei Yan, Meng-Jiao Mao, Bin Zhao, Hai-Yong Zhu, Diode-Pumped c-Cut Nd:Lu_{0.99}La_{0.01}VO₄ Self-Stimulated Raman Laser at 1181 nm, Chinese Physics Letters 32,034206 (2015)
23. **Y.M.Duan**, H.Y.Zhu, Y.L.Ye, D.Zhang, G.Zhang, and D.Y.Tang, Efficient RTP-based OPO intra-cavity pumped by an acousto-optic Q-switched Nd:YVO₄ laser, Optics Letters 39, 1314-1317(2014)
24. **Y.M.Duan**, H.Y.Zhu, Z.R.Feng, C.W. Xu, J.Zhang, H.Y.Wang, D.Y.Tang, Compact, CW mid-infrared intra-cavity Nd:Lu_{0.5}Y_{0.5}VO₄/KTA-OPO at 3.5 μ m, Laser Physics Letters 10, 055803(2013)
25. Z.P.Li , **Y.M.Duan***, K.R.Wu, G.Zhang , H.Y.Zhu, X.L.Wang, Y.H.Chen, Z.Q.Xu e, Q.Lin, G.C.Song, and H.Su, Continuous-wave, widely tunable, intra-cavity singly resonant magnesium-doped periodically poled lithium niobate optical parametric oscillator, Laser Physics 23,055006 (2013)
26. **Y.M. Duan**, H.Y. Zhu, C.W. Xu, H. Yang, D.W. Luo, H. Lin, J. Zhang, and D.Y.Tang, Comparison of the 1319 and 1338nm Dual-Wavelength Emission of Neodymium-Doped Yttrium Aluminum Garnet Ceramic and Crystal Lasers, Applied Physics Express 6,012701(2013)
27. **Y.M.Duan**, H.Y.Zhu, G.Zhang, H.Y.Wang, Y.J.Zhang, High-power eye-safe KTA-OPO driven by YVO₄/Nd:YVO₄ composite laser, Optics Communications 285,3507-3509(2012)
28. **Y.M.Duan**, G.Zhang, Y.J.Zhang, Q.L.Jin, H.Y.Wang, H.Y.Zhu, LD end-pumped c-Cut Nd:YVO₄/KTP self-Raman laser at 560 nm, Laser Physics 21, 1859-1862(2011)
29. **Y.M.Duan**, H.Y. Zhu, C.H. Huang, G.Zhang, and Y. Wei, Potential sodium D2 resonance radiation generated by intra-cavity SHG of a c-cut Nd:YVO₄ self-Raman laser, Optics Express 19, 6333-6338 (2011)
30. **Y.M.Duan**, F.G.Yang, H.Y.Zhu, Z.J.Zhu, C.H.Huang, Z.Y.You, Y.Wei,G.Zhang, C.Y.Tu, Continuous-wave 560 nm light generated by intracavity SrWO₄ Raman and KTP sum frequency mixing, Optics Communication 283,5135–5138 (2010)
31. **Y.M.Duan**, H.Y.Zhu, G.Zhang, C.H.Huang, Y.Wei, C.Y.Tu, Z.J.Zhu, F.G.Yang, and Z.Y.You, Efficient 559.6 nm light produced by sum-frequency generation of diode-end-pumped Nd:YAG/SrWO₄ Raman laser, Laser Physics Letters 7,491-494(2010)
32. **Y.M.Duan**, A.H.Li, J.Chen, H.Y.Zhu, G.Zhang, C.H.Huang, Y.Wei, L.X.Huang, Y.S.Qiu, LD-end-pumped Nd:YAP laser operating at 1341.4 nm and doubling of its frequency, Journal of Russian Laser Research 29, 268-273(2008)

指导硕士生

- 2015 级 郭俊宏(国家奖学金获得者、省优毕业生)
2016 级 张静(国家奖学金获得者、校优毕业生)
2018 级 孙瑛璐(中国电信奖学金获得者)
2019 级 周玉明

指导学生学科竞赛

1. 第十六届挑战杯全国大学生课外学术科技作品竞赛(研究生项目)特别一等奖
2. 第十六届浙江省挑战杯大学生课外学术科技作品竞赛(研究生项目)特等奖
3. 浙江省第十六届挑战杯大学生课外学术科技作品竞赛(本科生项目)特等奖
4. 浙江省第十五届挑战杯大学生课外学术科技作品竞赛(本科生项目)一等奖
5. 浙江省第十届大学生物理科技创新竞赛三等奖
6. 浙江省第八届大学生物理科技创新竞赛二等奖

科研获奖

浙江省高校科研成果奖三等奖(全固态自拉曼变频及589nm钠信标光源研究, 2012, 排名第2)