

waveScan Literature References

Publications in leading scientific *journals* that mention the *waveScan* rotating grating spectrometer from APE GmbH. These are just some examples, and many other publications mention the *waveScan* in various scientific fields:

“Simultaneous time and wavelength resolved spectroscopy under two-colour near infrared and terahertz excitation”, J. Bhattacharyya, M. Wagner, S. Zybelle, S. Winnerl, D. Stehr, M. Helm, and H. Schneider; *Review of Scientific Instruments* 82, 103107 (2011), doi: 10.1063/1.3653394

“Comparative investigations on continuous wave operation of a-cut and b-cut Tm:Ho:YAlO₃ lasers at room temperature”, H. Bromberger, K. J. Yang, D. Heinecke, T. Dekorsy, L. H. Zheng, J. Xu, and G. J. Zhao, Vol. 19, No. 7, *OPTICS EXPRESS* 6513

“Broadly tunable femtosecond Tm:Lu₂O₃ ceramic laser operating around 2070 nm”, Alexander A. Lagatsky, Oleg L. Antipov, and Wilson Sibbet, Vol. 20, No. 17, *OPTICS EXPRESS* 19349

“Diode-pumped continuous wave tunable and graphene Q-switched Tm:LSO lasers”, T.L. Feng, S.Z. Zhao, K.J. Yang, G.Q. Li, D.C. Li, J. Zhao, W.C. Qiao, J. Hou, Y. Yang, J.L. He, L.H. Zheng, Q.G. Wang, X.D. Xu, L.B. Su, J. Xu, Vol. 21, No. 21, DOI:10.1364/OE.21.024665, *OPTICS EXPRESS* 24665

“Diode-pumped continuous wave and passively Q-switched Tm, Mg: LiTaO₃ lasers”, T. Feng, T. Li, S. Zhao, Q. Li, K. Yang, J. Zhao, W. Qiao, Y. Hang, P. Zhang, Y. Wang, and J. Xu, Vol. 22, No. 4, DOI:10.1364/OE.22.003818, *OPTICS EXPRESS* 3818

“Efficient diode-pumped Tm:KYW 1.9- μ m microchip laser with 1 W cw output power”, Maxim Gaponenko, Nikolay Kuleshov, and Thomas Südmeyer, Vol. 22, No. 10, DOI:10.1364/OE.22.011578, *OPTICS EXPRESS* 11578

“Supercontinuum generation in highly nonlinear fibers using amplified noise-like optical pulses”, Shih-Shian Lin, Sheng-Kwang Hwang, and Jia-Ming Liu, Vol. 22, No. 4, DOI:10.1364/OE.22.004152, *OPTICS EXPRESS* 4152

“Tunable continuous wave and passively Q-switched Nd:LuLiF₄ laser with monolayer graphene as saturable absorber”, Feng Wang, Shixia Li, Tao Li, Jianjun Luo and Ming Li, *Laser Phys.* 25 (2015) 015805, doi:10.1088/1054-660X/25/1/015805

“Passively Q-Switched Thulium Microchip Laser”, Maxim Gaponenko, Nikolay Kuleshov, and Thomas Südmeyer, *IEEE PHOTONICS TECHNOLOGY LETTERS*, VOL. 28, NO. 2, JANUARY 15, 2016, p. 147

“Streaking of 43-attosecond soft-X-ray pulses generated by a passively CEP-stable mid-infrared driver”, THOMAS GAUMNITZ, AROHI JAIN, YOANN PERTOT, MARTIN HUPPERT, INGA JORDAN, FERNANDO ARDANA-LAMAS, AND HANS JAKOB WÖRNER, Vol. 25, No. 22, 30 Oct 2017, *OPTICS EXPRESS* 27506

“Diode-pumped continuous wave Tm:Lu₂SiO₅ laser with narrow linewidth output”, Haijun Guan, Yunqing Liu, *Optik - International Journal for Light and Electron Optics*, <http://dx.doi.org/10.1016/j.ijleo.2017.08.098>

“High-power passively Q-switched 2 μm all-solid-state laser based on a Bi₂Te₃ saturable absorber”, X. LIU, K. YANG, S. ZHAO, T. LI, W. QIAO, H. ZHANG, B. ZHANG, J. HE, J. BIAN, L. ZHENG, L. SU, AND J. XU, Vol. 5, No. 5, October 2017, *Photonics Research*, p. 461

“Tunable single-longitudinal-mode Ho:YAG laser pumped by a 1.13 μm diode laser”, WENJING LI, QING WANG, YALONG WANG, YALAN WANG, AND CHUNQING GAO, Vol. 56, No. 35, December 10 2017, *Applied Optics*, p. 9809

“Diode-pumped SESAM mode-locked low-repetition-rate Tm:CALGO picosecond laser at 1968 nm”, Lei Guo, Yaling Yang, Shengzhi Zhao, Tao Li, Wenchao Qiao, Ruihua Wang, Baitao Zhang, Kejian Yang, Jingliang He, Xun Li, *Optics & Laser Technology* 142 (2021) 107195, <https://doi.org/10.1016/j.optlastec.2021.107195>

“Scalable graphene electro-optical modulators for all-fibre pulsed lasers”, Kuen Yao Lau, Alexander Pyymaki Perros, Diao Li, Maria Kim and Zhipei Sun, *Nanoscale*, 2021, 13, 9873, DOI: 10.1039/d0nr08784j

“Generation of even and odd high harmonics in resonant metasurfaces using single and multiple ultra-intense laser pulses”, Maxim R. Shcherbakov, Haizhong Zhang, Michael Tripepi, Giovanni Sartorello, Noah Talisa, Abdallah AlShafey, Zhiyuan Fan, Justin Twardowski, Leonid A. Krivitsky, Arseniy I. Kuznetsov, Enam Chowdhury & Gennady Shvets, *NATURE COMMUNICATIONS*, (2021)12:4185, <https://doi.org/10.1038/s41467-021-24450-9>

“Enhanced Nonlinear Spectral Broadening in Multi-Pass Cells Using Molecular Gases”, Moinuddin Kadiwala, Nazar Kovalenko, Kilian Fritsch, Semyon Goncharov, Oleg Pronin, *EUROPHOTON 2022 EPJ Web of Conferences* 267, 02032 (2022), <https://doi.org/10.1051/epjconf/202226702032>

“A route to high peak power and energy scaling in the mid-IR chirped-pulse oscillator-amplifier laser systems”, ALEXANDER RUDENKOV, VLADIMIR L. KALASHNIKOV, EVGENI SOROKIN, MAKSIM DEMESH, IRINA T. SOROKINA, 2022 Optica Publishing Group

“Short mid-infrared watt-level all-fiber nonlinear pulse compressor above 100-MHz pulse repetition rate”, Jingcheng Shang, Chao Mei, Shengzhi Zhao, Yizhou Liu, Kejian Yang, Chun Wang, Tao Li, Tianli Feng, *High Power Laser Science and Engineering*, (2023), Vol. 11, e14, 7 pages, doi:10.1017/hpl.2022.45

“Phonon engineering in Yb:La₂CaB₁₀O₁₉ crystal for extended lasing beyond the fluorescence Spectrum”, Yanling Cheng, Fei Liang, Dazhi Lu, Jingcheng Feng, Guochun Zhang, Haohai Yu, Huaijin Zhang and Yicheng Wu, Cheng et al. *Light: Science & Applications* (2023), 12:203 <https://doi.org/10.1038/s41377-023-01243-x>

“Q-switched Er³⁺/Dy³⁺ codoped ZrF₄ fiber laser: continuously tunable pulse generation from 3.06 to 3.62 μm”, Yongzhi Wang, Hongyu Luo, Biao Wang, Jianfeng Li, and Yong Liu, *Chinese Optics Letters* 21(4), 041402 (2023), DOI: 10.3788/COL202321.041402