

Nathalie Picqué

List of publications in peer-reviewed journals

Submitted for publication:

72. N. Picqué, T.W. Hänsch, Single-photon interferometry and spectroscopy with two laser frequency combs, arXiv:1906.03706 (2019).

Published:

71. A. Shams-Ansari, P. Latawiec, Y. Okawachi, V. Venkataraman, M. Yu, B. Desiatov, H. Atikian, G.L. Harris, N. Picqué, A.L. Gaeta, M. Loncar, Supercontinuum generation in angle-etched diamond waveguides, *Optics Letters* **44**, 4056-4059 (2019).

70. N. Picqué, T.W. Hänsch, Frequency comb spectroscopy, *Nature Photonics* **13**, 146-157 (2019).

69. N. Picqué, T.W. Hänsch, Mid-infrared spectroscopic sensing, *Optics & Photonics News* **19**, 26-33, issue of June (2019).

68. G. Scalari, J. Faist, N. Picqué, On-chip mid-infrared and THz frequency combs for spectroscopy, *Applied Physics Letters* **114**, 150401 (2019).

67. Z. Chen, T.W. Hänsch, N. Picqué, Mid-infrared feed-forward dual-comb spectroscopy, *Proceedings of the National Academy of Sciences of the United States of America* **116**, 3454-3459 (2019).

66. J. Nürnberg, C. G. E. Alfieri, Z. Chen, D. Waldburger, N. Picqué, U. Keller, An unstabilized femtosecond semiconductor disk laser for dual-comb spectroscopy of acetylene, *Optics Express* **27**, 3190-3199 (2019).

65. M.L. Weichmann, P.B. Changala, J. Ye, Z. Chen, M. Yan, N. Picqué, Broadband molecular spectroscopy with optical frequency combs, *Journal of Molecular Spectroscopy* **355**, 66-78 (2019).

64. Z. Chen, M. Yan, T.W. Hänsch, N. Picqué, A phase-stable dual-comb interferometer, *Nature Communications* **9**, 3035 (2018).

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62. S.A. Meek, A. Hipke, G. Guelachvili, T.W. Hänsch, N. Picqué, Doppler-free Fourier transform spectroscopy, *Optics Letters* **43**, 162-165 (2018).

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58. K.J. Mohler, B.J. Bohn, M. Yan, G. Mélen, T.W. Hänsch, N. Picqué, Dual-Comb Coherent Raman Spectroscopy with Lasers of 1-GHz Pulse Repetition Frequency, *Optics Letters* **42**, 318-321 (2017).
57. G. Millot, S. Pitois, M. Yan, T. Hovannysyan, A. Bendahmane, T.W. Hänsch, N. Picqué, Frequency-agile dual-comb spectroscopy, *Nature Photonics* **10**, 27-30, (2016).
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55. A. Hipke, S.A. Meek, T. Ideguchi, T.W. Hänsch, N. Picqué, Broadband Doppler-limited two-photon and stepwise excitation spectroscopy with laser frequency combs, *Phys. Rev. A* **90**, 011805(R) (2014).
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