

Lucile Rutkowski

List of Publications by Year in descending order

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55
papers

585
citations

687363

13
h-index

794594

19
g-index

55
all docs

55
docs citations

55
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Surpassing the path-limited resolution of Fourier-transform spectrometry with frequency combs. Physical Review A, 2016, 93, .	2.5	129
2	Optical frequency comb Fourier transform spectroscopy with sub-nominal resolution and precision beyond the Voigt profile. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 63-73.	2.3	79
3	Fourier transform and Vernier spectroscopy using an optical frequency comb at 3â€“54â€‰%â€‰%â€‰%1/4m. Optics Letters, 2016, 41, 2541.	3.3	67
4	High-power frequency comb source tunable from 27 to 42â€‰%â€‰%â€‰%1/4m based on difference frequency generation pumped by an Yb-doped fiber laser. Optics Letters, 2017, 42, 1748.	3.3	61
5	Sensitive and broadband measurement of dispersion in a cavity using a Fourier transform spectrometer with kHz resolution. Optics Express, 2017, 25, 21711.	3.4	39
6	Broadband cavity-enhanced molecular spectra from Vernier filtering of a complete frequency comb. Optics Letters, 2014, 39, 6664.	3.3	31
7	All-fiber mid-infrared source tunable from 6 to 9 1/4m based on difference frequency generation in OP-GaP crystal. Optics Express, 2018, 26, 11756.	3.4	31
8	Mid-infrared continuous-filtering Vernier spectroscopy using a doubly resonant optical parametric oscillator. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	20
9	Continuous Vernier filtering of an optical frequency comb for broadband cavity-enhanced molecular spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 204-214.	2.3	20
10	Sub-Doppler Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. Physical Review Letters, 2021, 126, 063001.	7.8	20
11	Broadband calibration-free cavity-enhanced complex refractive index spectroscopy using a frequency comb. Optics Express, 2018, 26, 20633.	3.4	16
12	Measurement and assignment of double-resonance transitions to the 8900â€“9100- cm^{-1} levels of methane. Physical Review A, 2021, 103, 013501.	2.5	16
13	An experimental water line list at 1950 K in the 6250â€“6670 cm^{-1} region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 212-218.	2.3	14
14	Detection of OH in an atmospheric flame at 1.5 μm using optical frequency comb spectroscopy. Photonics Letters of Poland, 2016, 8, 110.	0.4	12
15	A new instrument for kinetics and branching ratio studies of gas phase collisional processes at very low temperatures. Review of Scientific Instruments, 2021, 92, 014102.	1.3	9
16	Optical frequency comb Fourier transform cavity ring-down spectroscopy. Optics Express, 2022, 30, 13594.	3.4	8
17	Signal line shapes of Fourier-transform cavity-enhanced frequency modulation spectroscopy with optical frequency combs. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 358.	2.1	3
18	Cavity-Enhanced Frequency Comb Vernier Spectroscopy. Photonics, 2022, 9, 222.	2.0	3

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19	Optical-Optical Double-Resonance Spectroscopy of Methane Using a Cavity-Enhanced Comb Probe. , 2021, , .		2
20	Cavity-enhanced continuous-filtering vernier spectroscopy at 3.3 μm using a femtosecond optical parametric oscillator. , 2017, , .		1
21	Cavity ring-down Fourier transform spectroscopy based on a near infrared optical frequency comb. , 2021, , .		1
22	Optical Frequency Comb Spectroscopy at 3.3 and 5.2 μm by a Tm: fiber-Laser-Pumped Optical Parametric Oscillator. , 2016, , .		1
23	Mechanical Fourier Transform Spectrometer with kHz Resolution. , 2017, , .		1
24	Sensitive and broadband measurement of dispersion in a cavity using a Fourier transform spectrometer with kHz resolution: erratum. Optics Express, 2020, 28, 13290.	3.4	1
25	Cavity-Enhanced Optical Frequency Comb Spectroscopy of High-Temperature Water in a Flame. , 2015, , .		0
26	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2015, , .		0
27	Detection of OH and H ₂ O in an atmospheric flame by near-infrared optical frequency comb spectroscopy. , 2017, , .		0
28	Faraday rotation spectroscopy using an optical frequency comb. , 2017, , .		0
29	Broadband and high resolution direct measurement of cavity resonances. , 2017, , .		0
30	Optical Frequency Comb Spectroscopy for Gas Metrology and Trace Gas Detection. , 2017, , .		0
31	Broadband Complex Refractive Index Spectroscopy via Measurement of Cavity Modes. , 2018, , .		0
32	Precise Comb-Based Fourier Transform Spectroscopy for Line Parameter Retrieval. , 2019, , .		0
33	Comb-calibrated Stimulated-Raman Spectroscopy of H ₂ . , 2021, , .		0
34	Double-Resonance Spectroscopy of Methane Using a Comb Probe. , 2021, , .		0
35	A NEW BROADBAND CAVITY ENHANCED FREQUENCY COMB SPECTROSCOPY TECHNIQUE USING GHz VERNIER FILTERING.. , 2015, , .		0
36	OPTICAL FREQUENCY COMB FOURIER TRANSFORM SPECTROSCOPY WITH RESOLUTION EXCEEDING THE LIMIT SET BY THE OPTICAL PATH DIFFERENCE. , 2015, , .		0

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37	NOISE-IMMUNE CAVITY-ENHANCED OPTICAL FREQUENCY COMB SPECTROSCOPY. , 2015, , .		0
38	Near-Infrared Fourier Transform Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
39	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
40	Fourier Transform and Vernier Spectroscopy with a Mid-Infrared Optical Frequency Comb. , 2016, , .		0
41	Optical Frequency Comb Fourier Transform Spectroscopy with Resolution beyond the Path Difference Limit. , 2016, , .		0
42	Cavity-Enhanced Optical Frequency Combs Spectroscopy in the Near- and Mid-Infrared. , 2016, , .		0
43	Cavity-Enhanced Fourier Transform and Vernier Spectroscopy with Optical Frequency Combs. , 2016, , .		0
44	Measurement of H ₂ O and OH in a Flame by Optical Frequency Comb Spectroscopy. , 2016, , .		0
45	Continuous-Filtering Vernier Spectroscopy at 3.3 μ m Using a Femtosecond Optical Parametric Oscillator. , 2017, , .		0
46	Cavity-Enhanced Complex Refractive Index Spectroscopy of Entire Molecular Bands Using a Frequency Comb. , 2018, , .		0
47	Precision beyond the Voigt profile using optical frequency comb Fourier transform spectroscopy. , 2018, , .		0
48	Experimental 1.5-1.6 μ m Water Line List at 1950 K. , 2018, , .		0
49	CO ₂ Line Parameter Retrieval Beyond the Voigt Profile Using Comb-Based Fourier Transform Spectroscopy. , 2018, , .		0
50	CO ₂ LINE PARAMETER RETRIEVAL BEYOND THE VOIGT PROFILE USING COMB-BASED FOURIER TRANSFORM SPECTROSCOPY. , 2018, , .		0
51	SUB-DOPPLER DOUBLE-RESONANCE SPECTROSCOPY OF METHANE USING A FREQUENCY COMB PROBE. , 2020, , .		0
52	Optical frequency comb cavity ring-down spectroscopy using a time-resolved Fourier transform spectrometer. , 2021, , .		0
53	Sub-Doppler Optical-Optical Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. , 2021, , .		0
54	Recent Advances in Near Infrared Precision Spectroscopy for Laboratory Astrophysics. , 2020, , .		0

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55	Sub-Doppler Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. , 2020, , .		0