Lucile Rutkowski

List of Publications by Year
in descending order

55	585	687363 13	794594 19
papers	citations	h-index	g-index

55	55	55	478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cavity-Enhanced Frequency Comb Vernier Spectroscopy. Photonics, 2022, 9, 222.	2.0	3
2	Optical frequency comb Fourier transform cavity ring-down spectroscopy. Optics Express, 2022, 30, 13594.	3.4	8
3	Optical-Optical Double-Resonance Spectroscopy of Methane Using a Cavity-Enhanced Comb Probe. , 2021, , .		2
4	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
5	Measurement and assignment of double-resonance transitions to the 8900â€“9100- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="normal">cm</mml:mi><mml:mrow><mml:mo>â^’</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml levels of methane. Physical Review A, 2021, 103, .	2.5	16
6	Sub-Doppler Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. Physical Review Letters, 2021, 126, 063001.	7.8	20
7	Cavity ring-down Fourier transform spectroscopy based on a near infrared optical frequency comb. , 2021, , .		1
8	Comb-calibrated Stimulated-Raman Spectroscopy of H2. , 2021, , .		0
9	Double-Resonance Spectroscopy of Methane Using a Comb Probe. , 2021, , .		0
10	Optical frequency comb cavity ring-down spectroscopy using a time-resolved Fourier transform spectrometer. , 2021, , .		0
11	Sub-Doppler Optical-Optical Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. , 2021, , .		0
12	SUB-DOPPLER DOUBLE-RESONANCE SPECTROSCOPY OF METHANE USING A FREQUENCY COMB PROBE. , 2020, , .		0
13	Recent Advances in Near Infrared Precision Spectroscopy for Laboratory Astrophysics. , 2020, , .		0
14	Sub-Doppler Double-Resonance Spectroscopy of Methane Using a Frequency Comb Probe. , 2020, , .		0
15	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
16	Precise Comb-Based Fourier Transform Spectroscopy for Line Parameter Retrieval. , 2019, , .		0
17	An experimental water line list at 1950 K in the 6250–6670 cm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow /><mml:mrow><mml:mo>â^’</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:math> region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 213-219.	2.3	14
18	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

#	Article	IF	Citations
19	All-fiber mid-infrared source tunable from 6 to 9 Î¼m based on difference frequency generation in OP-GaP crystal. Optics Express, 2018, 26, 11756.	3.4	31
20	Broadband Complex Refractive Index Spectroscopy via Measurement of Cavity Modes. , 2018, , .		0
21	Broadband calibration-free cavity-enhanced complex refractive index spectroscopy using a frequency comb. Optics Express, 2018, 26, 20633.	3.4	16
22	Cavity-Enhanced Complex Refractive Index Spectroscopy of Entire Molecular Bands Using a Frequency Comb. , 2018, , .		0
23	Precision beyond the Voigt profile using optical frequency comb Fourier transform spectroscopy. , 2018, , .		0
24	Experimental 1.5-1.6 Î¼m Water Line List at 1950 K. , 2018, , .		0
25	CO2 Line Parameter Retrieval Beyond the Voigt Profile Using Comb-Based Fourier Transform Spectroscopy. , 2018, , .		0
26	CO2 LINE PARAMETER RETRIEVAL BEYOND THE VOIGT PROFILE USING COMB-BASED FOURIER TRANSFORM SPECTROSCOPY. , 2018, , .		0
27	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
28	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
29	Detection of OH and H<inf>2</inf>O in an atmospheric flame by near-infrared optical frequency comb spectroscopy. , 2017, , .		0
30	Cavity-enhanced continuous-filtering vernier spectroscopy at 3.3 Î¼m using a femtosecond optical parametric oscillator. , 2017, , .		1
31	Faraday rotation spectroscopy using an optical frequency comb. , 2017, , .		0
32	Broadband and high resolution direct measurement of cavity resonances. , 2017, , .		0
33	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
34	High-power frequency comb source tunable from 27 to 42â€‰â€‰Î¼m based on difference frequency generation pumped by an Yb-doped fiber laser. Optics Letters, 2017, 42, 1748.	3.3	61
35	Optical Frequency Comb Spectroscopy for Gas Metrology and Trace Gas Detection. , 2017, , .		0
36	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

#	Article	IF	Citations
37	Mechanical Fourier Transform Spectrometer with kHz Resolution. , 2017, , .		1
38	Continuous-Filtering Vernier Spectroscopy at 3.3 Î¼m Using a Femtosecond Optical Parametric Oscillator. , 2017, , .		0
39	Fourier transform and Vernier spectroscopy using an optical frequency comb at 3â€“5â€‰â€‰Î¼m. Optics Letters, 2016, 41, 2541.	3.3	67
40	Surpassing the path-limited resolution of Fourier-transform spectrometry with frequency combs. Physical Review A, 2016, 93, .	2.5	129
41	Optical Frequency Comb Spectroscopy at 3.3 and 5.2 Âµm by a Tm:fiber-Laser-Pumped Optical Parametric Oscillator. , 2016, , .		1
42	Detection of OH in an atmospheric flame at 1.5 um using optical frequency comb spectroscopy. Photonics Letters of Poland, 2016, 8, 110.	0.4	12
43	Near-Infrared Fourier Transform Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
44	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
45	Fourier Transform and Vernier Spectroscopy with a Mid-Infrared Optical Frequency Comb. , 2016, , .		0
46	Optical Frequency Comb Fourier Transform Spectroscopy with Resolution beyond the Path Difference Limit. , 2016, , .		0
47	Cavity-Enhanced Optical Frequency Combs Spectroscopy in the Near- and Mid-Infrared. , 2016, , .		0
48	Cavity-Enhanced Fourier Transform and Vernier Spectroscopy with Optical Frequency Combs. , 2016, , .		0
49	Measurement of H2O and OH in a Flame by Optical Frequency Comb Spectroscopy. , 2016, , .		0
50	Cavity-Enhanced Optical Frequency Comb Spectroscopy of High-Temperature Water in a Flame. , 2015, , .		0
51	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2015, , .		0
52	A NEW BROADBAND CAVITY ENHANCED FREQUENCY COMB SPECTROSCOPY TECHNIQUE USING GHz VERNIER FILTERING.. , 2015, , .		0
53	OPTICAL FREQUENCY COMB FOURIER TRANSFORM SPECTROSCOPY WITH RESOLUTION EXCEEDING THE LIMIT SET BY THE OPTICAL PATH DIFFERENCE. , 2015, , .		0
54	NOISE-IMMUNE CAVITY-ENHANCED OPTICAL FREQUENCY COMB SPECTROSCOPY. , 2015, , .		0

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55	Broadband cavity-enhanced molecular spectra from Vernier filtering of a complete frequency comb. Optics Letters, 2014, 39, 6664.	3.3	31