

Amir Khodabakhsh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2496546/publications.pdf>

Version: 2024-02-01

47
papers

831
citations

567281

15
h-index

610901

24
g-index

47
all docs

47
docs citations

47
times ranked

722
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier transform and grating-based spectroscopy with a mid-infrared supercontinuum source for trace gas detection in fruit quality monitoring. Optics Express, 2021, 29, 12381.	3.4	13
2	Ultra-broadband infrared gas sensor for pollution detection: the TRIAGE project. JPhys Photonics, 2021, 3, 031003.	4.6	8
3	Fourier transform spectrometer based on high-repetition-rate mid-infrared supercontinuum sources for trace gas detection. Optics Express, 2021, 29, 22315.	3.4	31
4	Broadband Time-Resolved Absorption and Dispersion Spectroscopy of Methane and Ethane in a Plasma Using a Mid-Infrared Dual-Comb Spectrometer. Sensors, 2020, 20, 6831.	3.8	12
5	Sensitive multi-species trace gas sensor based on a high repetition rate mid-infrared supercontinuum source. Optics Express, 2020, 28, 26091.	3.4	24
6	Broadband Mid-infrared Trace Gas Sensor Based on a Supercontinuum Source and Lock-in Detection. , 2020, , .		0
7	A Sensitive and Transportable Multi-Species Trace Gas Sensor Based on a Mid-Infrared Supercontinuum Source. , 2020, , .		0
8	Multi-Species Trace Gas Sensor Based on a Mid-Infrared Supercontinuum Source for Monitoring of Fruit Storage. , 2020, , .		0
9	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
10	A Broadband Mid-Infrared Trace Gas Sensor Using Supercontinuum Light Source: Applications for Real-Time Quality Control for Fruit Storage. Sensors, 2019, 19, 2334.	3.8	27
11	Broadband Multi-Species Trace Gas Detection by Up-Converting Mid-Infrared Supercontinuum Light into the Near-Infrared. , 2019, , .		0
12	Time-resolved mid-infrared dual-comb spectroscopy. Scientific Reports, 2019, 9, 17247.	3.3	42
13	Mid-infrared dual-comb spectroscopy with absolute frequency calibration using a passive optical reference. Optics Express, 2019, 27, 19282.	3.4	7
14	Mid-infrared supercontinuum-based upconversion detection for trace gas sensing. Optics Express, 2019, 27, 24469.	3.4	48
15	Experimental-based comparison between off-axis integrated cavity output spectroscopy and multipass-assisted wavelength modulation spectroscopy at 77â€¦Åµm. OSA Continuum, 2019, 2, 2667.	1.8	3
16	An experimental water line list at 1950 K in the 6250â€¦6670 cm<math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow /><mml:mrow><mml:mo>âˆ²</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
17	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
18	Laser spectroscopy for breath analysis: towards clinical implementation. Applied Physics B: Lasers and Optics, 2018, 124, 161.	2.2	124

#	ARTICLE	IF	CITATIONS
19	Sensitive Spectroscopy of Acetone Using a Widely Tunable External-Cavity Quantum Cascade Laser. Sensors, 2018, 18, 2050.	3.8	25
20	Experimental 1.5-1.6 μm Water Line List at 1950 K. , 2018, , .		0
21	Detection of N ₂ O Using An External-Cavity Quantum Cascade Laser. , 2018, , .		0
22	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
23	Detection of OH and H ₂ O in an atmospheric flame by near-infrared optical frequency comb spectroscopy. , 2017, , .		0
24	Cavity-enhanced continuous-filtering vernier spectroscopy at 3.3 μm using a femtosecond optical parametric oscillator. , 2017, , .		1
25	Faraday rotation spectroscopy using an optical frequency comb. , 2017, , .		0
26	Broadband and high resolution direct measurement of cavity resonances. , 2017, , .		0
27	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
28	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
29	Mechanical Fourier Transform Spectrometer with kHz Resolution. , 2017, , .		1
30	Continuous-Filtering Vernier Spectroscopy at 3.3 μm Using a Femtosecond Optical Parametric Oscillator. , 2017, , .		0
31	Fourier transform and Vernier spectroscopy using an optical frequency comb at 3 μm . Optics Letters, 2016, 41, 2541.	3.3	67
32	Surpassing the path-limited resolution of Fourier-transform spectrometry with frequency combs. Physical Review A, 2016, 93, .	2.5	129
33	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
34	Near-Infrared Fourier Transform Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
35	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .		0
36	Fourier Transform and Vernier Spectroscopy with a Mid-Infrared Optical Frequency Comb. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Optical Frequency Comb Fourier Transform Spectroscopy with Resolution beyond the Path Difference Limit. , 2016, , .		0
38	Cavity-Enhanced Optical Frequency Combs Spectroscopy in the Near- and Mid-Infrared. , 2016, , .		0
39	Cavity-Enhanced Fourier Transform and Vernier Spectroscopy with Optical Frequency Combs. , 2016, , .		0
40	Measurement of H ₂ O and OH in a Flame by Optical Frequency Comb Spectroscopy. , 2016, , .		0
41	Cavity-Enhanced Optical Frequency Comb Spectroscopy of High-Temperature Water in a Flame. , 2015, , .		0
42	Noise-immune cavity-enhanced optical frequency comb spectroscopy: a sensitive technique for high-resolution broadband molecular detection. Applied Physics B: Lasers and Optics, 2015, 119, 87-96.	2.2	20
43	Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2015, , .		0
44	Cavity-enhanced optical frequency comb spectroscopy of high-temperature H ₂ O in a flame. Optics Express, 2014, 22, 13889.	3.4	39
45	Noise-immune cavity-enhanced optical frequency comb spectroscopy. Optics Letters, 2014, 39, 5034.	3.3	23
46	Broadband Molecular Detection with Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2014, , .		0
47	Low-power high-tuning range CMOS ring oscillator VCOs. , 2008, , .		19