

# Amir Khodabakhsh

## List of Publications by Year in descending order

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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 |
|----|--|-----|-----------|
| 19 | Broadband Time-Resolved Absorption and Dispersion Spectroscopy of Methane and Ethane in a Plasma Using a Mid-Infrared Dual-Comb Spectrometer. <i>Sensors</i> , 2020, 20, 6831.                               | 3.8 | 12        |
| 20 | Detection of OH in an atmospheric flame at 1.5 $\mu\text{m}$ using optical frequency comb spectroscopy. <i>Photonics Letters of Poland</i> , 2016, 8, 110.   | 0.4 | 12        |
| 21 | Ultra-broadband infrared gas sensor for pollution detection: the TRIAGE project. <i>JPhys Photonics</i> , 2021, 3, 031003.   | 4.6 | 8         |
| 22 | Mid-infrared dual-comb spectroscopy with absolute frequency calibration using a passive optical reference. <i>Optics Express</i> , 2019, 27, 19282.  | 3.4 | 7         |
| 23 | Signal line shapes of Fourier-transform cavity-enhanced frequency modulation spectroscopy with optical frequency combs. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 358. | 2.1 | 3         |
| 24 | Experimental-based comparison between off-axis integrated cavity output spectroscopy and multipass-assisted wavelength modulation spectroscopy at 77 $\mu\text{m}$ . <i>OSA Continuum</i> , 2019, 2, 2667.   | 1.8 | 3         |
| 25 | Cavity-enhanced continuous-filtering vernier spectroscopy at 3.3 $\mu\text{m}$ using a femtosecond optical parametric oscillator. , 2017, , .  |     | 1         |
| 26 | Mechanical Fourier Transform Spectrometer with kHz Resolution. , 2017, , .   |     | 1         |
| 27 | Sensitive and broadband measurement of dispersion in a cavity using a Fourier transform spectrometer with kHz resolution: erratum. <i>Optics Express</i> , 2020, 28, 13290.                                  | 3.4 | 1         |
| 28 | Cavity-Enhanced Optical Frequency Comb Spectroscopy of High-Temperature Water in a Flame. , 2015, , .  |     | 0         |
| 29 | Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2015, , .  |     | 0         |
| 30 | Detection of OH and H <sub>2</sub> O in an atmospheric flame by near-infrared optical frequency comb spectroscopy. , 2017, , .   |     | 0         |
| 31 | Faraday rotation spectroscopy using an optical frequency comb. , 2017, , .   |     | 0         |
| 32 | Broadband and high resolution direct measurement of cavity resonances. , 2017, , .   |     | 0         |
| 33 | Broadband Multi-Species Trace Gas Detection by Up-Converting Mid-Infrared Supercontinuum Light into the Near-Infrared. , 2019, , .   |     | 0         |
| 34 | Broadband Molecular Detection with Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2014, , .  |     | 0         |
| 35 | Near-Infrared Fourier Transform Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .   |     | 0         |
| 36 | Fourier-Transform-Based Noise-Immune Cavity-Enhanced Optical Frequency Comb Spectroscopy. , 2016, , .  |     | 0         |

| #  | ARTICLE   | IF | CITATIONS |
|----|---|----|-----------|
| 37 | Fourier Transform and Vernier Spectroscopy with a Mid-Infrared Optical Frequency Comb. , 2016, , .                        |    | 0         |
| 38 | Optical Frequency Comb Fourier Transform Spectroscopy with Resolution beyond the Path Difference Limit. , 2016, , .       |    | 0         |
| 39 | Cavity-Enhanced Optical Frequency Combs Spectroscopy in the Near- and Mid-Infrared. , 2016, , .                           |    | 0         |
| 40 | Cavity-Enhanced Fourier Transform and Vernier Spectroscopy with Optical Frequency Combs. , 2016, , .                      |    | 0         |
| 41 | Measurement of H <sub>2</sub> O and OH in a Flame by Optical Frequency Comb Spectroscopy. , 2016, , .                     |    | 0         |
| 42 | Continuous-Filtering Vernier Spectroscopy at 3.3 $\mu$ m Using a Femtosecond Optical Parametric Oscillator. , 2017, , .   |    | 0         |
| 43 | Experimental 1.5-1.6 $\mu$ m Water Line List at 1950 K. , 2018, , .   |    | 0         |
| 44 | Detection of N <sub>2</sub> O Using An External-Cavity Quantum Cascade Laser. , 2018, , .                                 |    | 0         |
| 45 | Broadband Mid-infrared Trace Gas Sensor Based on a Supercontinuum Source and Lock-in Detection. , 2020, , .               |    | 0         |
| 46 | A Sensitive and Transportable Multi-Species Trace Gas Sensor Based on a Mid-Infrared Supercontinuum Source. , 2020, , .   |    | 0         |
| 47 | Multi-Species Trace Gas Sensor Based on a Mid-Infrared Supercontinuum Source for Monitoring of Fruit Storage. , 2020, , . |    | 0         |