

# Benjamin P Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6644754/publications.pdf>

Version: 2024-02-01

22  
papers

354  
citations

932766

10  
h-index

996533

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineral dust photochemistry induces nucleation events in the presence of SO <sub>2</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20842-20847.	3.3	113
2	Optical remote sensing for monitoring flying mosquitoes, gender identification and discussion on species identification. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	45
3	Atmospheric non-spherical particles optical properties from UV-polarization lidar and scattering matrix. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	33
4	A comparison of supervised machine learning algorithms for mosquito identification from backscattered optical signals. Ecological Informatics, 2020, 58, 101090.	2.3	25
5	Identification of gravid mosquitoes from changes in spectral and polarimetric backscatter cross sections. Journal of Biophotonics, 2019, 12, e201900123.	1.1	24
6	Remote sensing of atmospheric gases with optical correlation spectroscopy and lidar: first experimental results on water vapor profile measurements. Applied Physics B: Lasers and Optics, 2013, 113, 265-275.	1.1	22
7	Active standoff detection of CH <sub>4</sub> and N <sub>2</sub> O leaks using hard-target backscattered light using an open-path quantum cascade laser sensor. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	21
8	UV polarization lidar for remote sensing new particles formation in the atmosphere. Optics Express, 2014, 22, A1009.	1.7	17
9	Polarization-resolved exact light backscattering by an ensemble of particles in air. Optics Express, 2013, 21, 18624.	1.7	13
10	Remote sensing of methane with broadband laser and optical correlation spectroscopy on the Q-branch of the 2 $\nu_2$ band. Journal of Molecular Spectroscopy, 2013, 291, 3-8.	0.4	12
11	Entomological photonic sensors: Estimating insect population density, its uncertainty and temporal resolution from transit data. Ecological Informatics, 2021, 61, 101186.	2.3	9
12	Backscattering properties of topographic targets in the visible, shortwave infrared, and mid-infrared spectral ranges for hard-target lidars. Applied Optics, 2018, 57, 6990.	0.9	7
13	Continuous monitoring of aerial density and circadian rhythms of flying insects in a semi-urban environment. PLoS ONE, 2021, 16, e0260167.	1.1	7
14	Characterization of Iceland volcanic aerosols by UV-polarization lidar at Lyon, SW Europe. Proceedings of SPIE, 2010, , .	0.8	2
15	Active Stand-off Detection of Gas Leaks Using a Short Range Hard-target Backscatter Differential Optical Absorption System Based on a Quantum Cascade Laser Transmitter. EPJ Web of Conferences, 2016, 119, 05013.	0.1	2
16	Analysis of predictor variables for mosquito species identification from dual-wavelength polarization-sensitive lidar measurements. , 2018, 10779, .		2
17	Active stand-off detection of gas leaks using an open-path quantum cascade laser sensor in a backscatter configuration. Proceedings of SPIE, 2015, , .	0.8	0
18	Open-path quantum cascade laser-based system for simultaneous remote sensing of methane, nitrous oxide, and water vapor using chirped-pulse differential optical absorption spectroscopy. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Implementation Of Micropulse Lidar at 4.5 $\mu$ m and 1.5 $\mu$ m for Aerosol and Cloud Study. EPJ Web of Conferences, 2016, 119, 06001.	0.1	0
20	Remote Sensing of Atmospheric Compounds Using Backscattered Light from Nanosecond and Femtosecond Laser Light. , 2012, , .		0
21	Remote Sensing of Atmospheric Compounds Using Backscattered Light from Nanosecond and Femtosecond Laser Light. , 2012, , .		0
22	Active standoff mixing-ratio measurements of N <sub>2</sub> O from topographic targets using an open-path quantum cascade laser system. , 2018, , .		0