

Benjamin P Thomas

List of Publications by Year in descending order

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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	Entomological photonic sensors: Estimating insect population density, its uncertainty and temporal resolution from transit data. <i>Ecological Informatics</i> , 2021, 61, 101186.	2.3	9
2	Continuous monitoring of aerial density and circadian rhythms of flying insects in a semi-urban environment. <i>PLoS ONE</i> , 2021, 16, e0260167.	1.1	7
3	A comparison of supervised machine learning algorithms for mosquito identification from backscattered optical signals. <i>Ecological Informatics</i> , 2020, 58, 101090.	2.3	25
4	Identification of gravid mosquitoes from changes in spectral and polarimetric backscatter cross sections. <i>Journal of Biophotonics</i> , 2019, 12, e201900123.	1.1	24
5	Optical remote sensing for monitoring flying mosquitoes, gender identification and discussion on species identification. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	45
6	Backscattering properties of topographic targets in the visible, shortwave infrared, and mid-infrared spectral ranges for hard-target lidars. <i>Applied Optics</i> , 2018, 57, 6990.	0.9	7
7	Active standoff mixing-ratio measurements of N ₂ O from topographic targets using an open-path quantum cascade laser system. , 2018, , .		0
8	Analysis of predictor variables for mosquito species identification from dual-wavelength polarization-sensitive lidar measurements. , 2018, 10779, .		2
9	Implementation Of Micropulse Lidar at 4.5 μ m and 1.5 μ m for Aerosol and Cloud Study. <i>EPJ Web of Conferences</i> , 2016, 119, 06001.	0.1	0
10	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. <i>EPJ Web of Conferences</i> , 2016, 119, 05013.	0.1	2
11	Active standoff detection of CH ₄ and N ₂ O leaks using hard-target backscattered light using an open-path quantum cascade laser sensor. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	21
12	Active stand-off detection of gas leaks using an open-path quantum cascade laser sensor in a backscatter configuration. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
13	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. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
14	UV polarization lidar for remote sensing new particles formation in the atmosphere. <i>Optics Express</i> , 2014, 22, A1009.	1.7	17
15	Remote sensing of atmospheric gases with optical correlation spectroscopy and lidar: first experimental results on water vapor profile measurements. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 265-275.	1.1	22
16	Remote sensing of methane with broadband laser and optical correlation spectroscopy on the Q-branch of the 2 ν_3 band. <i>Journal of Molecular Spectroscopy</i> , 2013, 291, 3-8.	0.4	12
17	Polarization-resolved exact light backscattering by an ensemble of particles in air. <i>Optics Express</i> , 2013, 21, 18624.	1.7	13
18	Mineral dust photochemistry induces nucleation events in the presence of SO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20842-20847.	3.3	113

#	ARTICLE	IF	CITATIONS
19	Remote Sensing of Atmospheric Compounds Using Backscattered Light from Nanosecond and Femtosecond Laser Light. , 2012, , .		0
20	Remote Sensing of Atmospheric Compounds Using Backscattered Light from Nanosecond and Femtosecond Laser Light. , 2012, , .		0
21	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
22	Characterization of Iceland volcanic aerosols by UV-polarization lidar at Lyon, SW Europe. Proceedings of SPIE, 2010, , .	0.8	2