

Tamer F Refaat

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Airborne Testing of 2- μ m Pulsed IPDA Lidar for Active Remote Sensing of Atmospheric Carbon Dioxide. Atmosphere, 2021, 12, 412.	2.3	10
2	High-Precision and High-Accuracy Column Dry-Air Mixing Ratio Measurement of Carbon Dioxide Using Pulsed 2- μ m IPDA Lidar. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5804-5819.	6.3	6
3	MCT APD Detection System for Atmospheric Profiling Applications Using Two-Micron Lidar. EPJ Web of Conferences, 2020, 237, 01013.	0.3	2
4	MCT Avalanche Photodiode Detector FOR Two-MICRON Active Remote Sensing Applications. , 2018, , .		2
5	An Airborne 2- μ m Double-Pulsed Direct-Detection Lidar Instrument for Atmospheric CO ₂ Column Measurements. Journal of Atmospheric and Oceanic Technology, 2017, 34, 385-400.	1.3	33
6	Feasibility study of a space-based high pulse energy 2- μ m CO ₂ IPDA lidar. Applied Optics, 2017, 56, 6588.		29
7	Development of Double-Pulsed Two-Micron Laser for Atmospheric Carbon Dioxide Measurements. , 2017, , .		1
8	Double-pulse 2- μ m integrated path differential absorption lidar airborne validation for atmospheric carbon dioxide measurement. Applied Optics, 2016, 55, 4232.	2.1	62
9	Evaluation of an airborne triple-pulsed 2- μ m IPDA lidar for simultaneous and independent atmospheric water vapor and carbon dioxide measurements. Applied Optics, 2015, 54, 1387.	1.8	79
10	Twenty years of Tm:Ho:YLF and LuLiF laser development for global wind and carbon dioxide active remote sensing. Optical Materials Express, 2015, 5, 827.	3.0	96
11	Self-calibration and laser energy monitor validations for a double-pulsed 2- μ m CO ₂ integrated path differential absorption lidar application. Applied Optics, 2015, 54, 7240.	2.1	44
12	Modeling of intensity-modulated continuous-wave laser absorption spectrometer systems for atmospheric CO ₂ column measurements. Applied Optics, 2013, 52, 7062.	1.8	19
13	Backscatter 2- μ m Lidar Validation for Atmospheric CO ₂ Differential Absorption Lidar Applications. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 572-580.	6.3	58
14	Lidar backscatter signal recovery from phototransistor systematic effect by deconvolution. Applied Optics, 2008, 47, 5281.	2.1	8