Tamer F Refaat

List of Publications by Year
in descending order

14	449	1040056 9	1199594 12
papers	citations	h-index	g-index

14	14	14	297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Evaluation of an airborne triple-pulsed 2â€‰â€‰Î¼m IPDA lidar for simultaneous and independent atmospheric water vapor and carbon dioxide measurements. Applied Optics, 2015, 54, 1387.	1.8	79
3	Double-pulse 2-Î¼m integrated path differential absorption lidar airborne validation for atmospheric carbon dioxide measurement. Applied Optics, 2016, 55, 4232.	2.1	62
4	Backscatter 2-$muhbox{m}$ Lidar Validation for Atmospheric $hbox{CO}_{2}$ Differential Absorption Lidar Applications. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 572-580.	6.3	58
5	Self-calibration and laser energy monitor validations for a double-pulsed 2-Î¼m CO_2 integrated path differential absorption lidar application. Applied Optics, 2015, 54, 7240.	2.1	44
6	An Airborne 2-Î¼m Double-Pulsed Direct-Detection Lidar Instrument for Atmospheric CO2 Column Measurements. Journal of Atmospheric and Oceanic Technology, 2017, 34, 385-400.	1.3	33
7	Feasibility study of a space-based high pulse energy 2â€‰â€‰Î¼m CO_2 IPDA lidar. Applied Optics, 2017, 56, 6538.	1.8	29
8	Modeling of intensity-modulated continuous-wave laser absorption spectrometer systems for atmospheric CO₂ column measurements. Applied Optics, 2013, 52, 7062.	1.8	19
9	Airborne Testing of 2-Î¼m Pulsed IPDA Lidar for Active Remote Sensing of Atmospheric Carbon Dioxide. Atmosphere, 2021, 12, 412.	2.3	10
10	Lidar backscatter signal recovery from phototransistor systematic effect by deconvolution. Applied Optics, 2008, 47, 5281.	2.1	8
11	High-Precision and High-Accuracy Column Dry-Air Mixing Ratio Measurement of Carbon Dioxide Using Pulsed 2-mu m IPDA Lidar. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5804-5819.	6.3	6
12	MCT Avalanche Photodiode Detector FOR Two-MICRON Active Remote Sensing Applications. , 2018, , .		2
13	MCT APD Detection System for Atmospheric Profiling Applications Using Two-Micron Lidar. EPJ Web of Conferences, 2020, 237, 01013.	0.3	2
14	Development of Double-Pulsed Two-Micron Laser for Atmospheric Carbon Dioxide Measurements. , 2017, , .		1