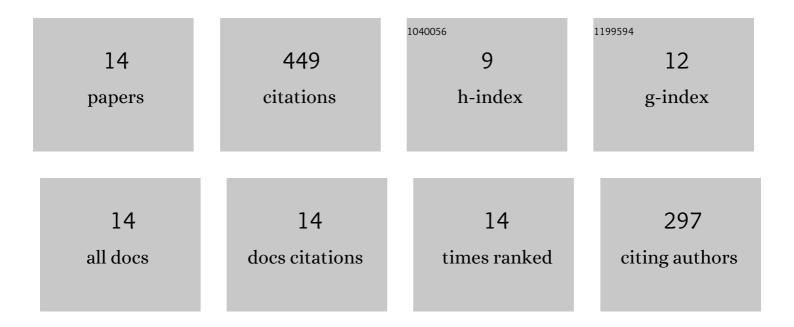
Tamer F Refaat

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Airborne Testing of 2-μm 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-\$mu\$ 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-μm Double-Pulsed Direct-Detection Lidar Instrument for Atmospheric CO2 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  μm CO_2 IPDA lidar. Applied Optics, 2017, 56, 6 | 588. | 29 |
| 7 | Development of Double-Pulsed Two-Micron Laser for Atmospheric Carbon Dioxide Measurements. , 2017, , . | | 1 |
| 8 | Double-pulse 2-μm 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  î¼m 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-μm 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-\$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 |
| 14 | Lidar backscatter signal recovery from phototransistor systematic effect by deconvolution. Applied Optics, 2008, 47, 5281. | 2.1 | 8 |