

Upendra N Singh

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

580
citations

1039880

9
h-index

1199470

12
g-index

22
all docs

22
docs citations

22
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	1 J/pulse Q-switched 2 μm solid-state laser. Optics Letters, 2006, 31, 462.	1.7	149
2	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.	1.6	96
3	Evaluation of an airborne triple-pulsed 2 μm IPDA lidar for simultaneous and independent atmospheric water vapor and carbon dioxide measurements. Applied Optics, 2015, 54, 1387.	0.9	79
4	Double-pulse 2 μm integrated path differential absorption lidar airborne validation for atmospheric carbon dioxide measurement. Applied Optics, 2016, 55, 4232.	2.1	62
5	Backscatter 2- μm Lidar Validation for Atmospheric CO_2 Differential Absorption Lidar Applications. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 572-580.	2.7	58
6	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
7	An Airborne 2 μm Double-Pulsed Direct-Detection Lidar Instrument for Atmospheric CO_2 Column Measurements. Journal of Atmospheric and Oceanic Technology, 2017, 34, 385-400.	0.5	33
8	Feasibility study of a space-based high pulse energy 2 μm CO_2 IPDA lidar. Applied Optics, 2017, 56, 6531.	0.1	29
9	Airborne Testing of 2 μm Pulsed IPDA Lidar for Active Remote Sensing of Atmospheric Carbon Dioxide. Atmosphere, 2021, 12, 412.	1.0	10
10	High-Precision and High-Accuracy Column Dry-Air Mixing Ratio Measurement of Carbon Dioxide Using Pulsed 2- μm IPDA Lidar. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5804-5819.	2.7	6
11	Evaluation of 2 μm Pulsed Integrated Path Differential Absorption Lidar for Carbon Dioxide Measurement Technology Developments, Measurements, and Path to Space. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2059-2067.	2.3	4
12	An overview of NASA's laser risk reduction program. , 0, , .		2
13	Progress on high-energy 2-micron solid state laser for NASA space-based wind and carbon dioxide measurements. , 2011, , .		2
14	First International Workshop on Space-Based Lidar Remote Sensing Techniques and Emerging Technologies [Conference Reports]. IEEE Geoscience and Remote Sensing Magazine, 2014, 2, 91-93.	4.9	2
15	MCT Avalanche Photodiode Detector FOR Two-MICRON Active Remote Sensing Applications. , 2018, , .		2
16	Triple-pulse integrated path differential absorption lidar for carbon dioxide measurement Novel lidar technologies and techniques with path to space. , 2017, , .		1
17	Development of Double-Pulsed Two-Micron Laser for Atmospheric Carbon Dioxide Measurements. , 2017, , .		1
18	2.4- μm -Cutoff AlGaAsSb/InGaAsSb Phototransistors for Shortwave-IR Applications. IEEE Transactions on Electron Devices, 2007, 54, 2837-2842.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Water Vapor Column Measurements With Infrared Active Optical IPDA Lidar. , 2018, , .		0
20	Active Optical Remote Sensing Sensors and Instrumentation for NASA's Future Earth and Space Science Measurements/Missions. , 2019, , .		0
21	Frequency Control of Multi-Pulse 2-micron Laser Transmitter for Atmospheric Carbon Dioxide Measurement. , 2019, , .		0
22	RECENT DEVELOPMENT OF SB-BASED PHOTOTRANSISTORS IN THE 0.9- TO 2.2- μ M WAVELENGTH RANGE FOR APPLICATIONS TO LASER REMOTE SENSING. , 2006, , .		0