

Anton Lopatin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10402778/publications.pdf>

Version: 2024-02-01

22
papers

1,082
citations

623734

14
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarimetric remote sensing of atmospheric aerosols: Instruments, methodologies, results, and perspectives. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 224, 474-511.	2.3	224
2	GRASP: a versatile algorithm for characterizing the atmosphere. <i>SPIE Newsroom</i> , 0, , .	0.1	134
3	Lidar-Radiometer Inversion Code (LIRIC) for the retrieval of vertical aerosol properties from combined lidar/radiometer data: development and distribution in EARLINET. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1181-1205.	3.1	92
4	Validation of GRASP algorithm product from POLDER/PARASOL data and assessment of multi-angular polarimetry potential for aerosol monitoring. <i>Earth System Science Data</i> , 2020, 12, 3573-3620.	9.9	90
5	Long-range-transported Canadian smoke plumes in the lower stratosphere over northern France. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1173-1193.	4.9	86
6	Retrieval of aerosol components directly from satellite and ground-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13409-13443.	4.9	82
7	A Comprehensive Description of Multi-Term LSM for Applying Multiple a Priori Constraints in Problems of Atmospheric Remote Sensing: GRASP Algorithm, Concept, and Applications. <i>Frontiers in Remote Sensing</i> , 2021, 2, .	3.5	54
8	Comparative assessment of GRASP algorithm for a dust event over Granada (Spain) during ChArMEx-ADRIMED 2013 campaign. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4439-4457.	3.1	46
9	GARRLIC and LIRIC: strengths and limitations for the characterization of dust and marine particles along with their mixtures. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4995-5016.	3.1	42
10	Constraining global aerosol emissions using POLDER/PARASOL satellite remote sensing observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14585-14606.	4.9	42
11	Synergy processing of diverse ground-based remote sensing and in situ data using the GRASP algorithm: applications to radiometer, lidar and radiosonde observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2575-2614.	3.1	38
12	Comparison of aerosol properties retrieved using GARRLiC, LIRIC, and Raman algorithms applied to multi-wavelength lidar and sun/sky-photometer data. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3391-3405.	3.1	37
13	Different strategies to retrieve aerosol properties at night-time with the GRASP algorithm. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14149-14171.	4.9	29
14	Aerosol vertical distribution and interactions with land/sea breezes over the eastern coast of the Red Sea from lidar data and high-resolution WRF-Chem simulations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 16089-16116.	4.9	24
15	Combined use of Mie and Raman and fluorescence lidar observations for improving aerosol characterization: feasibility experiment. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6691-6701.	3.1	20
16	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements. <i>Science of the Total Environment</i> , 2022, 812, 152553.	8.0	11
17	Properties of aerosol and surface derived from OLCI/Sentinel-3A using GRASP approach: Retrieval development and preliminary validation. <i>Remote Sensing of Environment</i> , 2022, 280, 113142.	11.0	9
18	The Potential of GRASP/GARRLiC Retrievals for Dust Aerosol Model Evaluation: Case Study during the PreTECT Campaign. <i>Remote Sensing</i> , 2021, 13, 873.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Vertical assessment of the mineral dust optical and microphysical properties as retrieved from the synergy between polarized micro-pulse lidar and sun/sky photometer observations using GRASP code. Atmospheric Research, 2021, 264, 105818.	4.1	5
20	Spatio-Temporal Variability of Aerosol Components, Their Optical and Microphysical Properties over North China during Winter Haze in 2012, as Derived from POLDER/PARASOL Satellite Observations. Remote Sensing, 2021, 13, 2682.	4.0	4
21	Application of the Garrlic Algorithm for the Characterization of Dust and Marine Particles Utilizing the Lidar-Sunphotometer Synergy. EPJ Web of Conferences, 2016, 119, 23021.	0.3	2
22	Synergetic Observations by Ground-Based and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes. EPJ Web of Conferences, 2020, 237, 02035.	0.3	1