

Xuguang Cai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9398953/publications.pdf>

Version: 2024-02-01

23
papers

681
citations

471371

17
h-index

642610

23
g-index

26
all docs

26
docs citations

26
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite In Situ Electron Density Observations of the Midlatitude Storm Enhanced Density on the Noon Meridional Plane in the F Region During the 20 November 2003 Magnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	8
2	The Effects of IMF B_y on the Middle Thermosphere During a Geomagnetically Quiet-Period at Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	13
3	Pronounced Suppression and Pattern Merging of Equatorial Ionization Anomalies After the 2022 Tonga Volcano Eruption. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	42
4	Seasonal Variation of Thermospheric Composition Observed by NASA GOLD. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	22
5	Observation of Postsunset OI 135.6Ånm Radiance Enhancement Over South America by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028108.	0.8	28
6	Investigation of a Neutral Tongue-Observed by GOLD During the Geomagnetic Storm on May 11, 2019. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028817.	0.8	46
7	Variations in Thermosphere Composition and Ionosphere Total Electron Content Under Geomagnetically Quiet-Conditions at Solar Minimum. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093300.	1.5	40
8	Response of GOLD Retrieved Thermospheric Temperatures to Geomagnetic Activities of Varying Magnitudes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093905.	1.5	18
9	The Response of Middle Thermosphere (~ 160 km) Composition to the November 20 and 21, 2003 Superstorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029449.	0.8	16
10	The Two-Dimensional Evolution of Thermospheric O/N_2 Response to Weak Geomagnetic Activity During Solar Minimum Observed by GOLD. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088838.	1.5	59
11	Seasonal Variation of O/N_2 on Different Pressure Levels From GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027844.	0.8	11
12	Comparison of GOLD Nighttime Measurements With Total Electron Content: Preliminary Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027767.	0.8	35
13	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027823.	0.8	80
14	A Numerical Investigation on the Variation of Sodium Ion and Observed Thermospheric Sodium Layer at Cerro Pachón, Chile During Equinox. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10395-10414.	0.8	16
15	On the Long Lasting C-Type Structures in the Sodium Lidogram: The Lifetime of Kelvin-Helmholtz Billows in the Mesosphere and Lower Thermosphere Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3110-3124.	0.8	8
16	Investigation on the Distinct Nocturnal Secondary Sodium Layer Behavior Above 95 km in Winter and Summer Over Logan, UT (41.7°N, 112°W) and Arecibo Observatory, PR (18.3°N, 67°W). <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9610-9625.	0.8	18
17	A Numerical Investigation on Tidal and Gravity Wave Contributions to the Summer Time Na Variations in the Midlatitude E Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,577.	0.8	28
18	Large-scale gravity wave perturbations in the mesopause region above Northern Hemisphere midlatitudes during autumnal equinox: a joint study by the USU Na lidar and Whole Atmosphere Community Climate Model. <i>Annales Geophysicae</i> , 2017, 35, 181-188.	0.6	22

#	ARTICLE	IF	CITATIONS
19	Evidence of dispersion and refraction of a spectrally broad gravity wave packet in the mesopause region observed by the Na lidar and Mesospheric Temperature Mapper above Logan, Utah. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 579-594.	1.2	26
20	Impacts of CME-induced geomagnetic storms on the midlatitude mesosphere and lower thermosphere observed by a sodium lidar and TIMED/GUVI. <i>Geophysical Research Letters</i> , 2015, 42, 7295-7302.	1.5	31
21	Coordinated investigation of midlatitude upper mesospheric temperature inversion layers and the associated gravity wave forcing by Na lidar and Advanced Mesospheric Temperature Mapper in Logan, Utah. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3756-3769.	1.2	27
22	Investigation of the seasonal and local time variations of the high-altitude sporadic Na layer (Na_s) formation and the associated midlatitude descending E_s layer (E_s) in lower E region. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5985-5999.	0.8	44
23	A coordinated investigation of the gravity wave breaking and the associated dynamical instability by a Na lidar and an Advanced Mesosphere Temperature Mapper over Logan, UT (41.7°N, 111.8°W). <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6852-6864.	0.8	41