

Alexander M Zadorozhny

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

430
citations

687220

13
h-index

713332

21
g-index

27
all docs

27
docs citations

27
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study of LoRa Modulation Immunity to Doppler Effect in CubeSat Radio Communications. IEEE Access, 2019, 7, 75721-75731.	2.6	67
2	Nitric oxide and lower ionosphere quantities during solar particle events of October 1989 after rocket and ground-based measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 1992, 54, 183-192.	0.9	40
3	Middle atmosphere response to the solar proton events of October 1989 using the results of rocket measurements. Journal of Geophysical Research, 1994, 99, 21059.	3.3	32
4	Electric field measurements in the vicinity of noctilucent clouds and PMSE. Geophysical Research Letters, 1993, 20, 2299-2302.	1.5	31
5	Effects of charged dust on mesospheric electrical structure. Advances in Space Research, 2001, 28, 1059-1064.	1.2	29
6	Ground-based observations of noctilucent clouds with a northern hemisphere network of automatic digital cameras. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1460-1472.	0.6	26
7	Laboratory and in situ evidence for the presence of ice particles in a PMSE region. Geophysical Research Letters, 1997, 24, 841-844.	1.5	24
8	Noctilucent clouds: modern ground-based photographic observations by a digital camera network. Applied Optics, 2011, 50, F72.	2.1	22
9	Greenhouse gases and recovery of the Earth's ozone layer. Advances in Space Research, 2005, 35, 1369-1374.	1.2	17
10	A comparison between ground-based observations of noctilucent clouds and Aura satellite data. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 2097-2109.	0.6	17
11	First common volume ground-based and space measurements of the mesospheric front in noctilucent clouds. Geophysical Research Letters, 2013, 40, 6399-6404.	1.5	17
12	A case study of long gravity wave crests in noctilucent clouds and their origin in the upper tropospheric jet stream. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,102.	1.2	16
13	Evidence of the formation of noctilucent clouds due to propagation of an isolated gravity wave caused by a tropospheric occluded front. Geophysical Research Letters, 2015, 42, 2037-2046.	1.5	15
14	Recent measurements of middle atmospheric electric fields and related parameters. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 321-335.	0.9	12
15	On the role of charged dust in mesospheric electric fields. Geophysical Research Letters, 2000, 27, 493-496.	1.5	9
16	Optical studies of rocket exhaust trails and artificial noctilucent clouds produced by Soyuz rocket launches. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7850-7863.	1.2	9
17	Universal diurnal variation of mesospheric electric fields. Advances in Space Research, 1997, 20, 2177-2180.	1.2	8
18	Laboratory testing of LoRa modulation for CubeSat radio communications. MATEC Web of Conferences, 2018, 158, 01008.	0.1	8

#	ARTICLE	IF	CITATIONS
19	Response of noctilucent cloud brightness to daily solar variations. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 169, 83-90.	0.6	7
20	Greenhouse gases and future long-term changes in the stratospheric temperature and the ozone layer. International Journal of Remote Sensing, 2008, 29, 2749-2774.	1.3	6
21	High-precision CubeSat sun sensor coupled with infrared Earth horizon detector. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012012.	0.3	5
22	Thermal deformation of 3U CubeSat in low Earth orbit. MATEC Web of Conferences, 2018, 158, 01013.	0.1	4
23	Nitric oxide density measurements at middle latitudes. Studia Geophysica Et Geodaetica, 1990, 34, 261-268.	0.3	3
24	Contribution of solar UV radiation to the observed ozone variations during the 21st and 22nd solar cycles. Advances in Space Research, 2001, 27, 1949-1954.	1.2	3
25	Seasonal variations of water and odd nitrogen concentrations at stratopause altitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 1982, 44, 471-477.	0.9	2
26	Wide dynamic range 500 fA sensitivity current measurement instrument. MATEC Web of Conferences, 2017, 102, 01031.	0.1	1