

# Alexander M Zadorozhny

## List of Publications by Citations

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26

papers

329

citations

12

h-index

17

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ext. papers

382

ext. citations

2.6

avg, IF

2.86

L-index

#	Paper	IF	Citations
26	Nitric oxide and lower ionosphere quantities during solar particle events of October 1989 after rocket and ground-based measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>1992</b> , 54, 183-192		35
25	Experimental Study of LoRa Modulation Immunity to Doppler Effect in CubeSat Radio Communications. <i>IEEE Access</i> , <b>2019</b> , 7, 75721-75731	3.5	34
24	Middle atmosphere response to the solar proton events of October 1989 using the results of rocket measurements. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 21059		25
23	Effects of charged dust on mesospheric electrical structure. <i>Advances in Space Research</i> , <b>2001</b> , 28, 1059-1064		24
22	Electric field measurements in the vicinity of noctilucent clouds and PMSE. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2299-2302	4.9	24
21	Laboratory and in situ evidence for the presence of ice particles in a PMSE region. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 841-844	4.9	23
20	Ground-based observations of noctilucent clouds with a northern hemisphere network of automatic digital cameras. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2008</b> , 70, 1460-1472	2	19
19	Noctilucent clouds: modern ground-based photographic observations by a digital camera network. <i>Applied Optics</i> , <b>2011</b> , 50, F72-9	0.2	17
18	A comparison between ground-based observations of noctilucent clouds and Aura satellite data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2011</b> , 73, 2097-2109	2	16
17	Greenhouse gases and recovery of the Earth's ozone layer. <i>Advances in Space Research</i> , <b>2005</b> , 35, 1369-1374		15
16	First common volume ground-based and space measurements of the mesospheric front in noctilucent clouds. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6399-6404	4.9	14
15	A case study of long gravity wave crests in noctilucent clouds and their origin in the upper tropospheric jet stream. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,102-14,116	4.4	12
14	Recent measurements of middle atmospheric electric fields and related parameters. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>1994</b> , 56, 321-335		11
13	Evidence of the formation of noctilucent clouds due to propagation of an isolated gravity wave caused by a tropospheric occluded front. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2037-2046	4.9	10
12	On the role of charged dust in mesospheric electric fields. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 493-496		9
11	Universal diurnal variation of mesospheric electric fields. <i>Advances in Space Research</i> , <b>1997</b> , 20, 2177-2180		7
10	Optical studies of rocket exhaust trails and artificial noctilucent clouds produced by Soyuz rocket launches. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 7850-7863	4.4	6

9	Laboratory testing of LoRa modulation for CubeSat radio communications. <i>MATEC Web of Conferences</i> , <b>2018</b> , 158, 01008	0.3	5
8	Greenhouse gases and future long-term changes in the stratospheric temperature and the ozone layer. <i>International Journal of Remote Sensing</i> , <b>2008</b> , 29, 2749-2774	3.1	5
7	Response of noctilucent cloud brightness to daily solar variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 169, 83-90	2	3
6	Contribution of solar UV radiation to the observed ozone variations during the 21st and 22nd solar cycles. <i>Advances in Space Research</i> , <b>2001</b> , 27, 1949-1954	2.4	3
5	Nitric oxide density measurements at middle latitudes. <i>Studia Geophysica Et Geodaetica</i> , <b>1990</b> , 34, 261-268	0.7	3
4	High-precision CubeSat sun sensor coupled with infrared Earth horizon detector. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 734, 012012	0.4	3
3	Thermal deformation of 3U CubeSat in low Earth orbit. <i>MATEC Web of Conferences</i> , <b>2018</b> , 158, 01013	0.3	3
2	Seasonal variations of water and odd nitrogen concentrations at stratopause altitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>1982</b> , 44, 471-477		2
1	Wide dynamic range 500 fA sensitivity current measurement instrument. <i>MATEC Web of Conferences</i> , <b>2017</b> , 102, 01031	0.3	1