

Alexander M Zadorozhny

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

329

citations

12

h-index

17

g-index

27

ext. papers

382

ext. citations

2.6

avg, IF

2.86

L-index

#	Paper	IF	Citations
26	High-precision CubeSat sun sensor coupled with infrared Earth horizon detector. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 734, 012012	0.4	3
25	Experimental Study of LoRa Modulation Immunity to Doppler Effect in CubeSat Radio Communications. <i>IEEE Access</i> , 2019 , 7, 75721-75731	3.5	34
24	Response of noctilucent cloud brightness to daily solar variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 169, 83-90	2	3
23	Laboratory testing of LoRa modulation for CubeSat radio communications. <i>MATEC Web of Conferences</i> , 2018 , 158, 01008	0.3	5
22	Thermal deformation of 3U CubeSat in low Earth orbit. <i>MATEC Web of Conferences</i> , 2018 , 158, 01013	0.3	3
21	Wide dynamic range 500 fA sensitivity current measurement instrument. <i>MATEC Web of Conferences</i> , 2017 , 102, 01031	0.3	1
20	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> , 2016 , 121, 14,102-14,116	4.4	12
19	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> , 2015 , 42, 2037-2046	4.9	10
18	Optical studies of rocket exhaust trails and artificial noctilucent clouds produced by Soyuz rocket launches. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 7850-7863	4.4	6
17	First common volume ground-based and space measurements of the mesospheric front in noctilucent clouds. <i>Geophysical Research Letters</i> , 2013 , 40, 6399-6404	4.9	14
16	Noctilucent clouds: modern ground-based photographic observations by a digital camera network. <i>Applied Optics</i> , 2011 , 50, F72-9	0.2	17
15	A comparison between ground-based observations of noctilucent clouds and Aura satellite data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011 , 73, 2097-2109	2	16
14	Greenhouse gases and future long-term changes in the stratospheric temperature and the ozone layer. <i>International Journal of Remote Sensing</i> , 2008 , 29, 2749-2774	3.1	5
13	Ground-based observations of noctilucent clouds with a northern hemisphere network of automatic digital cameras. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 1460-1472	2	19
12	Greenhouse gases and recovery of the Earth's ozone layer. <i>Advances in Space Research</i> , 2005 , 35, 1369-1374	3.4	15
11	Contribution of solar UV radiation to the observed ozone variations during the 21st and 22nd solar cycles. <i>Advances in Space Research</i> , 2001 , 27, 1949-1954	2.4	3
10	Effects of charged dust on mesospheric electrical structure. <i>Advances in Space Research</i> , 2001 , 28, 1059-1064	2.4	24

- 9 On the role of charged dust in mesospheric electric fields. *Geophysical Research Letters*, **2000**, 27, 493-496 9
- 8 Laboratory and in situ evidence for the presence of ice particles in a PMSE region. *Geophysical Research Letters*, **1997**, 24, 841-844 4-9 23
- 7 Universal diurnal variation of mesospheric electric fields. *Advances in Space Research*, **1997**, 20, 2177-2184 7
- 6 Recent measurements of middle atmospheric electric fields and related parameters. *Journal of Atmospheric and Solar-Terrestrial Physics*, **1994**, 56, 321-335 11
- 5 Middle atmosphere response to the solar proton events of October 1989 using the results of rocket measurements. *Journal of Geophysical Research*, **1994**, 99, 21059 25
- 4 Electric field measurements in the vicinity of noctilucent clouds and PMSE. *Geophysical Research Letters*, **1993**, 20, 2299-2302 4-9 24
- 3 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 35
- 2 Nitric oxide density measurements at middle latitudes. *Studia Geophysica Et Geodaetica*, **1990**, 34, 261-268 3
- 1 Seasonal variations of water and odd nitrogen concentrations at stratopause altitudes. *Journal of Atmospheric and Solar-Terrestrial Physics*, **1982**, 44, 471-477 2