Ivana Kolmasova

List of Publications by Year
in descending order

52	669	566801 15	610482 24
papers	citations	h-index	g-index

76	76	76	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cometary plasma science. Experimental Astronomy, 2022, 54, 1129-1167.	1.6	3
2	A Frontal Thunderstorm With Several Multiâ€Cell Lines Found to Produce Energetic Preliminary Breakdown. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1
3	Interferometric imaging of intensely radiating negative leaders. Physical Review D, 2022, 105, .	1.6	15
4	Lightning activity in northern Europe during a stormy winter: disruptions of weather patterns originating in global climate phenomena. Atmospheric Chemistry and Physics, 2022, 22, 3379-3389.	1.9	2
5	LOFAR Observations of Lightning Initial Breakdown Pulses. Geophysical Research Letters, 2022, 49, .	1.5	11
6	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	10
7	Continental thunderstorm ground enhancement observed at an exceptionally low altitude. Atmospheric Chemistry and Physics, 2022, 22, 7959-7973.	1.9	3
8	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	3.7	10
9	First Observations of Elves and Their Causative Very Strong Lightning Discharges in an Unusual Smallâ€Scale Continental Springâ€Time Thunderstorm. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	1.2	6
10	Signatures of large peak current lightning strokes during an unusually intense sprite-producing thunderstorm in southern England. Atmospheric Research, 2021, 249, 105357.	1.8	8
11	The Initial Stage of Cloud Lightning Imaged in Highâ€Resolution. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033126.	1.2	20
12	Influence of Solar Wind on Secondary Cosmic Rays and Atmospheric Electricity. Frontiers in Earth Science, 2021, 9, .	0.8	3
13	A distinct negative leader propagation mode. Scientific Reports, 2021, 11, 16256.	1.6	9
14	Measurability of the Nonlinear Response of Electron Distribution Function to Chorus Emissions in the Earth's Radiation Belt. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029624.	0.8	6
15	Interâ€Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029700.	0.8	6
16	First observations and performance of the RPW instrument on board the Solar Orbiter mission. Astronomy and Astrophysics, 2021, 656, A41.	2.1	9
17	Automatic detection of atmospherics and tweek atmospherics in radio spectrograms based on a deep learning approach. Earth and Space Science, 2021, 8, e2021EA002007.	1.1	1
18	Multiâ€Point Observation of Hiss Emerging From Lightning Whistlers. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029524.	0.8	3

#	Article	IF	Citations
19	A Model of the Subpacket Structure of Rising Tone Chorus Emissions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028094.	0.8	16
20	Highâ€Spatiotemporal Resolution Observations of Jupiter Lightningâ€Induced Radio Pulses Associated With Sferics and Thunderstorms. Geophysical Research Letters, 2020, 47, e2020GL088397.	1.5	3
21	Two Propagation Scenarios of Isolated Breakdown Lightning Processes in Failed Negative Cloudâ€toâ€Ground Flashes. Geophysical Research Letters, 2020, 47, e2020GL090593.	1.5	4
22	Ground and Space Signatures of VLF Noise Suppression by Whistlers. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027430.	0.8	3
23	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. Astronomy and Astrophysics, 2020, 642, A12.	2.1	80
24	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. Geophysical Research Letters, 2019, 46, 8607-8616.	1.5	17
25	Evidence for low density holes in Jupiterâ€™s ionosphere. Nature Communications, 2019, 10, 2751.	5.8	4
26	Initial Breakdown Pulses Accompanied by VHF Pulses During Negative Cloudâ€toâ€Ground Lightning Flashes. Geophysical Research Letters, 2019, 46, 5592-5600.	1.5	15
27	VLF Emissions With Banded Structure in the 16â€to 39â€kHz Frequency Range Measured by a Highâ€Latitude Groundâ€Based Receiver. Geophysical Research Letters, 2019, 46, 14214-14222.	1.5	2
28	RESPONSE OF THE CZECH RMN NETWORK TO THUNDERSTORM ACTIVITY. Radiation Protection Dosimetry, 2019, 186, 215-218.	0.4	3
29	A study of lightning flash initiation prior to the first initial breakdown pulse. Atmospheric Research, 2019, 217, 10-23.	1.8	37
30	Lightning initiation: Strong pulses of VHF radiation accompany preliminary breakdown. Scientific Reports, 2018, 8, 3650.	1.6	20
31	Selective Attenuation of Lightningâ€Generated Whistlers at Extralow Frequencies: DEMETER Spacecraft Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 8631-8640.	0.8	1
32	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 6562-6575.	0.8	13
33	Jupiter Lightningâ€Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. Geophysical Research Letters, 2018, 45, 7268-7276.	1.5	11
34	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. Nature Astronomy, 2018, 2, 544-548.	4.2	27
35	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	13.7	52
36	Whistler Influence on the Overall Very Low Frequency Wave Intensity in the Upper Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 5648-5660.	0.8	10

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37	Unusual Electromagnetic Signatures of European North Atlantic Winter Thunderstorms. Scientific Reports, 2017, 7, 13948.	1.6	7
38	A model of preliminary breakdown pulse peak currents and their relation to the observed electric field pulses. Geophysical Research Letters, 2017, 44, 596-603.	1.5	9
39	The Sun and heliosphere explorer â€“ the Interhelioprobe mission. Geomagnetism and Aeronomy, 2016, 56, 781-841.	0.2	23
40	Subionospheric propagation and peak currents of preliminary breakdown pulses before negative cloudâ€toâ€ground lightning discharges. Geophysical Research Letters, 2016, 43, 1382-1391.	1.5	20
41	Very low frequency radio events with a reduced intensity observed by the lowâ€altitude DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2015, 120, 9781-9794.	0.8	2
42	Identifying the source region of plasmaspheric hiss. Geophysical Research Letters, 2015, 42, 3141-3149.	1.5	25
43	Unipolar and bipolar pulses emitted during the development of lightning flashes. Geophysical Research Letters, 2015, 42, 7206-7213.	1.5	6
44	Propagation of preliminary breakdown pulses preceding cloud-to-ground lightning discharges. , 2015, , .		0
45	Observation of lightning-induced signals on the summit of La Grande Montagne: HF measurements. E3S Web of Conferences, 2014, 4, 02001.	0.2	0
46	Submicrosecond structure of magnetic-field waveforms of different types of return strokes. , 2014, , .		0
47	Properties of the unusually short pulse sequences occurring prior to the first strokes of negative cloudâ€toâ€ground lightning flashes. Geophysical Research Letters, 2014, 41, 5316-5324.	1.5	18
48	Propagation of lowerâ€band whistlerâ€mode waves in the outer Van Allen belt: Systematic analysis of 11â€‰years of multiâ€component data from the Cluster spacecraft. Geophysical Research Letters, 2014, 41, 2729-2737.	1.5	73
49	Properties of unipolar magnetic field pulse trains generated by lightning discharges. Geophysical Research Letters, 2013, 40, 1637-1641.	1.5	13
50	Electron acceleration above thunderclouds. Environmental Research Letters, 2013, 8, 035027.	2.2	22
51	First results of the ground-based measurements of the IME-HF analyser. , 2011, , .		0
52	Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. Astronomy and Astrophysics, 0, , .	2.1	6