

Jonathan B Snively

List of Publications by Year in descending order

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44
papers

1,298
citations

361045

20
h-index

360668

35
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docs citations

45
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Infrasonic Acoustic Wave Imprints on Airglow Layers During the 2016 M7.8 Kaikoura Earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
2	Primary Versus Secondary Gravity Wave Responses at Fâ€Region Heights Generated by a Convective Source. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	10
3	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. <i>Science</i> , 2022, 377, 95-100.	6.0	170
4	Inferring the Evolution of a Large Earthquake From Its Acoustic Impacts on the Ionosphere. <i>AGU Advances</i> , 2021, 2, e2020AV000260.	2.3	11
5	The Dynamics of Nonlinear Atmospheric Acousticâ€Gravity Waves Generated by Tsunamis Over Realistic Bathymetry. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028309.	0.8	14
6	Mesopause Airglow Disturbances Driven by Nonlinear Infrasonic Acoustic Waves Generated by Large Earthquakes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027628.	0.8	6
7	Secondary Gravity Waves Generated by Breaking Mountain Waves Over Europe. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031662.	1.2	43
8	Modeling of Ionospheric Responses to Atmospheric Acoustic and Gravity Waves Driven by the 2015 Nepal 7.8 Gorkha Earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027200.	0.8	12
9	Evidence for Horizontal Blocking and Reflection of a Smallâ€Scale Gravity Wave in the Mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031828.	1.2	4
10	Latitude and Longitude Dependence of Ionospheric TEC and Magnetic Perturbations From Infrasonicâ€Acoustic Waves Generated by Strong Seismic Events. <i>Geophysical Research Letters</i> , 2019, 46, 1132-1140.	1.5	29
11	Numerical Modeling of the Propagation of Infrasonic Acoustic Waves Through the Turbulent Field Generated by the Breaking of Mountain Gravity Waves. <i>Geophysical Research Letters</i> , 2019, 46, 5526-5534.	1.5	12
12	Gravity Wave Ducting Observed in the Mesosphere Over Jicamarca, Peru. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5166-5177.	1.2	3
13	An analysis of the atmospheric propagation of underground-explosion-generated infrasonic waves based on the equations of fluid dynamics: Ground recordings. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 4576-4591.	0.5	4
14	Multilayer Observations and Modeling of Thunderstormâ€Generated Gravity Waves Over the Midwestern United States. <i>Geophysical Research Letters</i> , 2019, 46, 14164-14174.	1.5	12
15	Unexpected Occurrence of Mesospheric Frontal Gravity Wave Events Over South Pole (90Â°S). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 160-173.	1.2	13
16	A Comparison of Smallâ€and Mediumâ€Scale Gravity Wave Interactions in the Linear and Nonlinear Limits. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2454-2474.	1.2	2
17	Modulation of Lowâ€Altitude Ionospheric Upflow by Linear and Nonlinear Atmospheric Gravity Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7650-7667.	0.8	6
18	Momentum Flux Spectra of a Mountain Wave Event Over New Zealand. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9980-9991.	1.2	15

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19	Localization Effects on the Dissipation of Gravity Wave Packets in the Upper Mesosphere and Lower Thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8915-8935.	1.2	8
20	Nonlinear ionospheric responses to large-amplitude infrasonic-acoustic waves generated by undersea earthquakes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2272-2291.	0.8	32
21	Numerical modeling of a multiscale gravity wave event and its airglow signatures over Mount Cook, New Zealand, during the DEEPWAVE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 846-860.	1.2	33
22	Secondary gravity wave generation over New Zealand during the DEEPWAVE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7834-7850.	1.2	44
23	Nonlinear Gravity Wave Forcing as a Source of Acoustic Waves in the Mesosphere, Thermosphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 12,020.	1.5	16
24	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
25	Observation and modeling of gravity wave propagation through reflection and critical layers above Andes Lidar Observatory at Cerro Pachón, Chile. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,737.	1.2	11
26	Self-acceleration and instability of gravity wave packets: 1. Effects of temporal localization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8783-8803.	1.2	39
27	Gravity wave propagation through a vertically and horizontally inhomogeneous background wind. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5931-5950.	1.2	34
28	Ionospheric response to infrasonic-acoustic waves generated by natural hazard events. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8002-8024.	0.8	75
29	Near-Infrared Spectroscopy of Hayabusa Sample Return Capsule Reentry. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 424-429.	1.3	6
30	Thermospheric dissipation of upward propagating gravity wave packets. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3857-3872.	0.8	55
31	Numerical simulation of the long-range propagation of gravity wave packets at high latitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,116.	1.2	15
32	Very low frequency subionospheric remote sensing of thunderstorm-driven acoustic waves in the lower ionosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5037-5045.	1.2	24
33	Mesospheric hydroxyl airglow signatures of acoustic and gravity waves generated by transient tropospheric forcing. <i>Geophysical Research Letters</i> , 2013, 40, 4533-4537.	1.5	36
34	Ionospheric signatures of acoustic waves generated by transient tropospheric forcing. <i>Geophysical Research Letters</i> , 2013, 40, 5345-5349.	1.5	43
35	Numerical and statistical evidence for long-range ducted gravity wave propagation over Halley, Antarctica. <i>Geophysical Research Letters</i> , 2013, 40, 4813-4817.	1.5	14
36	Ionospheric signatures of Tohoku-Oki tsunami of March 11, 2011: Model comparisons near the epicenter. <i>Radio Science</i> , 2012, 47, .	0.8	134

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37	Airborne imaging and NIR spectroscopy of the ESA ATV spacecraft re-entry: instrument design and preliminary data description. <i>International Journal of Remote Sensing</i> , 2011, 32, 3019-3027.	1.3	5
38	OH and OI airglow layer modulation by ducted short-period gravity waves: Effects of trapping altitude. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	32
39	Analysis and modeling of ducted and evanescent gravity waves observed in the Hawaiian airglow. <i>Annales Geophysicae</i> , 2009, 27, 3213-3224.	0.6	36
40	Excitation of ducted gravity waves in the lower thermosphere by tropospheric sources. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	75
41	Doppler ducting of short-period gravity waves by midlatitude tidal wind structure. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	29
42	Antiphase OH and OI airglow emissions induced by a short-period ducted gravity wave. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	18
43	Correction to "Breaking of thunderstorm-generated gravity waves as a source of short-period ducted waves at mesopause altitudes". <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	0
44	Breaking of thunderstorm-generated gravity waves as a source of short-period ducted waves at mesopause altitudes. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	90