Jonathan B Snively

List of Publications by Year
in descending order

44 papers	1,298 citations	361045 20 h-index	360668 35 g-index
45 all docs	45 docs citations	45 times ranked	851 citing authors

#	Article	IF	Citations
1	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. Science, 2022, 377, 95-100.	6.0	170
2	Ionospheric signatures of Tohokuâ€Oki tsunami of March 11, 2011: Model comparisons near the epicenter. Radio Science, 2012, 47, .	0.8	134
3	Breaking of thunderstorm-generated gravity waves as a source of short-period ducted waves at mesopause altitudes. Geophysical Research Letters, 2003, 30, .	1.5	90
4	Excitation of ducted gravity waves in the lower thermosphere by tropospheric sources. Journal of Geophysical Research, 2008, 113, .	3.3	75
5	Ionospheric response to infrasonicâ€acoustic waves generated by natural hazard events. Journal of Geophysical Research: Space Physics, 2015, 120, 8002-8024.	0.8	75
6	Thermospheric dissipation of upward propagating gravity wave packets. Journal of Geophysical Research: Space Physics, 2014, 119, 3857-3872.	0.8	55
7	Secondary gravity wave generation over New Zealand during the DEEPWAVE campaign. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7834-7850.	1.2	44
8	Ionospheric signatures of acoustic waves generated by transient tropospheric forcing. Geophysical Research Letters, 2013, 40, 5345-5349.	1.5	43
9	Secondary Gravity Waves Generated by Breaking Mountain Waves Over Europe. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031662.	1.2	43
10	Selfâ€acceleration and instability of gravity wave packets: 1. Effects of temporal localization. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8783-8803.	1.2	39
11	Analysis and modeling of ducted and evanescent gravity waves observed in the Hawaiian airglow. Annales Geophysicae, 2009, 27, 3213-3224.	0.6	36
12	Mesospheric hydroxyl airglow signatures of acoustic and gravity waves generated by transient tropospheric forcing. Geophysical Research Letters, 2013, 40, 4533-4537.	1.5	36
13	Gravity wave propagation through a vertically and horizontally inhomogeneous background wind. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5931-5950.	1.2	34
14	Numerical modeling of a multiscale gravity wave event and its airglow signatures over Mount Cook, New Zealand, during the DEEPWAVE campaign. Journal of Geophysical Research D: Atmospheres, 2017, 122, 846-860.	1.2	33
15	OH and OI airglow layer modulation by ducted shortâ€period gravity waves: Effects of trapping altitude. Journal of Geophysical Research, 2010, 115, .	3.3	32
16	Nonlinear ionospheric responses to largeâ€amplitude infrasonicâ€acoustic waves generated by undersea earthquakes. Journal of Geophysical Research: Space Physics, 2017, 122, 2272-2291.	0.8	32
17	Doppler ducting of short-period gravity waves by midlatitude tidal wind structure. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	29
18	Latitude and Longitude Dependence of Ionospheric TEC and Magnetic Perturbations From Infrasonicâ€Acoustic Waves Generated by Strong Seismic Events. Geophysical Research Letters, 2019, 46, 1132-1140.	1.5	29

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19	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. Journal of Geophysical Research D: Atmospheres, 2016, 121, 579-594.	1.2	26
20	Very low frequency subionospheric remote sensing of thunderstormâ€driven acoustic waves in the lower ionosphere. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5037-5045.	1.2	24
21	Antiphase OH and OI airglow emissions induced by a short-period ducted gravity wave. Geophysical Research Letters, 2005, 32, .	1.5	18
22	Nonlinear Gravity Wave Forcing as a Source of Acoustic Waves in the Mesosphere, Thermosphere, and Ionosphere. Geophysical Research Letters, 2017, 44, 12,020.	1.5	16
23	Numerical simulation of the longâ€range propagation of gravity wave packets at high latitudes. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,116.	1.2	15
24	Momentum Flux Spectra of a Mountain Wave Event Over New Zealand. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9980-9991.	1.2	15
25	Numerical and statistical evidence for longâ€range ducted gravity wave propagation over Halley, Antarctica. Geophysical Research Letters, 2013, 40, 4813-4817.	1.5	14
26	The Dynamics of Nonlinear Atmospheric Acousticâ€Gravity Waves Generated by Tsunamis Over Realistic Bathymetry. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028309.	0.8	14
27	Unexpected Occurrence of Mesospheric Frontal Gravity Wave Events Over South Pole (90Â°S). Journal of Geophysical Research D: Atmospheres, 2018, 123, 160-173.	1.2	13
28	Numerical Modeling of the Propagation of Infrasonic Acoustic Waves Through the Turbulent Field Generated by the Breaking of Mountain Gravity Waves. Geophysical Research Letters, 2019, 46, 5526-5534.	1.5	12
29	Multilayer Observations and Modeling of Thunderstormâ€Generated Gravity Waves Over the Midwestern United States. Geophysical Research Letters, 2019, 46, 14164-14174.	1.5	12
30	Modeling of Ionospheric Responses to Atmospheric Acoustic and Gravity Waves Driven by the 2015 Nepal 7.8 Gorkha Earthquake. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027200.	0.8	12
31	Observation and modeling of gravity wave propagation through reflection and critical layers above Andes Lidar Observatory at Cerro PachÃ³n, Chile. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,737.	1.2	11
32	Inferring the Evolution of a Large Earthquake From Its Acoustic Impacts on the Ionosphere. AGU Advances, 2021, 2, e2020AV000260.	2.3	11
33	Primary Versus Secondary Gravity Wave Responses at Fâ€Region Heights Generated by a Convective Source. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	10
34	Localization Effects on the Dissipation of Gravity Wave Packets in the Upper Mesosphere and Lower Thermosphere. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8915-8935.	1.2	8
35	Near-Infrared Spectroscopy of Hayabusa Sample Return Capsule Reentry. Journal of Spacecraft and Rockets, 2014, 51, 424-429.	1.3	6
36	Modulation of Lowâ€Altitude Ionospheric Upflow by Linear and Nonlinear Atmospheric Gravity Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 7650-7667.	0.8	6

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37	Mesopause Airglow Disturbances Driven by Nonlinear Infrasonic Acoustic Waves Generated by Large Earthquakes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027628.	0.8	6
38	Airborne imaging and NIR spectroscopy of the ESA ATV spacecraft re-entry: instrument design and preliminary data description. International Journal of Remote Sensing, 2011, 32, 3019-3027.	1.3	5
39	An analysis of the atmospheric propagation of underground-explosion-generated infrasonic waves based on the equations of fluid dynamics: Ground recordings. Journal of the Acoustical Society of America, 2019, 146, 4576-4591.	0.5	4
40	Evidence for Horizontal Blocking and Reflection of a Smallâ€Scale Gravity Wave in the Mesosphere. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031828.	1.2	4
41	Gravity Wave Ducting Observed in the Mesosphere Over Jicamarca, Peru. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5166-5177.	1.2	3
42	A Comparison of Smallâ€•and Mediumâ€Scale Gravity Wave Interactions in the Linear and Nonlinear Limits. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2454-2474.	1.2	2
43	Simulation of Infrasonic Acoustic Wave Imprints on Airglow Layers During the 2016 M7.8 Kaikoura Earthquake. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
44	Correction to â€œBreaking of thunderstorm-generated gravity waves as a source of short-period ducted waves at mesopause altitudesâ€• Geophysical Research Letters, 2004, 31, .	1.5	0