

Pieter S M Smets

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,019
citations

516561

16
h-index

526166

27
g-index

40
all docs

40
docs citations

40
times ranked

1127
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Infrasonic Monitoring of Land and Marine-Terminating Glaciers in Greenland. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
2	The 2010 Haiti earthquake revisited: An acoustic intensity map from remote atmospheric infrasound observations. <i>Earth and Planetary Science Letters</i> , 2021, 560, 116795.	1.8	23
3	A Bird's-Eye View on Ambient Infrasonic Soundscapes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094555.	1.5	5
4	Infrasound as a Cue for Seabird Navigation. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	7
5	Systematic recovery of instrumental timing and phase errors using interferometric surface-waves retrieved from large-N seismic arrays. <i>Geophysical Journal International</i> , 2020, 224, 1028-1055.	1.0	5
6	CLEAN beamforming for the enhanced detection of multiple infrasonic sources. <i>Geophysical Journal International</i> , 2020, 221, 305-317.	1.0	29
7	Probabilistic inversion for submerged source depth and strength from infrasound observations. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1066-1077.	0.5	9
8	A Three-Dimensional Array for the Study of Infrasound Propagation Through the Atmospheric Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9299-9313.	1.2	12
9	The Mount Meron infrasound array: an infrasound array without a noise reduction system. <i>Geophysical Journal International</i> , 2019, 219, 1109-1117.	1.0	3
10	Meteorological Source Variability in Atmospheric Gravity Wave Parameters Derived From a Tropical Infrasound Station. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4352-4364.	1.2	1
11	A study on the ambient noise field at a hydroacoustic array near Robinson Crusoe Island. <i>Geophysical Journal International</i> , 2019, 218, 88-99.	1.0	3
12	Middle Atmosphere Variability and Model Uncertainties as Investigated in the Framework of the ARISE Project. , 2019, , 845-887.		17
13	Advances in Infrasonic Remote Sensing Methods. , 2019, , 605-632.		24
14	The Study of Sudden Stratospheric Warmings Using Infrasound. , 2019, , 723-755.		14
15	The Potential Impact of Upper Stratospheric Measurements on Sub-seasonal Forecasts in the Extra-Tropics. , 2019, , 889-907.		13
16	Extracting low signal-to-noise ratio events with the Hough transform from sparse array data. <i>Geophysics</i> , 2018, 83, WC43-WC51.	1.4	10
17	Infrasound from the 2009 and 2017 DPRK rocket launches. <i>Geophysical Journal International</i> , 2018, 213, 1785-1791.	1.0	10
18	Seismoacoustic Coupled Signals From Earthquakes in Central Italy: Epicentral and Secondary Sources of Infrasound. <i>Geophysical Research Letters</i> , 2018, 45, 427-435.	1.5	32

#	ARTICLE	IF	CITATIONS
19	Toward an Improved Representation of Middle Atmospheric Dynamics Thanks to the ARISE Project. <i>Surveys in Geophysics</i> , 2018, 39, 171-225.	2.1	47
20	A Seismo-acoustic Analysis of the 2017 North Korean Nuclear Test. <i>Seismological Research Letters</i> , 2018, 89, 2025-2033.	0.8	26
21	The European Infrasound Bulletin. <i>Pure and Applied Geophysics</i> , 2018, 175, 3619-3638.	0.8	19
22	ECMWF SSW forecast evaluation using infrasound. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4637-4650.	1.2	29
23	On the infrasound detected from the 2013 and 2016 DPRK's underground nuclear tests. <i>Geophysical Research Letters</i> , 2016, 43, 3526-3533.	1.5	41
24	Probabilistic infrasound propagation using realistic atmospheric perturbations. <i>Geophysical Research Letters</i> , 2015, 42, 6510-6517.	1.5	35
25	Comparison of colocated independent ground-based middle atmospheric wind and temperature measurements with numerical weather prediction models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8318-8331.	1.2	85
26	The life cycle of a sudden stratospheric warming from infrasonic ambient noise observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,084.	1.2	35
27	Evanescent wave coupling in a geophysical system: Airborne acoustic signals from the Mw 8.1 Macquarie Ridge earthquake. <i>Geophysical Research Letters</i> , 2014, 41, 1644-1650.	1.5	29
28	Infrasonic interferometry applied to microbaroms observed at the Large Aperture Infrasound Array in the Netherlands. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9654-9665.	1.2	21
29	Bidirectional infrasonic ducts associated with sudden stratospheric warming events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1140-1153.	1.2	43
30	A 500-kiloton airburst over Chelyabinsk and an enhanced hazard from small impactors. <i>Nature</i> , 2013, 503, 238-241.	13.7	348
31	Hydroacoustic, infrasonic and seismic monitoring of the submarine eruptive activity and sub-aerial plume generation at South Sarigan, May 2010. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 257, 31-43.	0.8	41
32	A climatology of microbarom detections at the Kerguelen Islands: unravelling the ambient noise wavefield. <i>Geophysical Journal International</i> , 0, , .	1.0	1
33	Hydroacoustic travel time variations as a proxy for passive deep-ocean thermometry – a cookbook. <i>Journal of Geophysical Research: Oceans</i> , 0, , .	1.0	0