

# 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	A 500-kiloton airburst over Chelyabinsk and an enhanced hazard from small impactors. <i>Nature</i> , 2013, 503, 238-241.	13.7	348
2	Comparison of co-located 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
3	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
4	Bidirectional infrasonic ducts associated with sudden stratospheric warming events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1140-1153.	1.2	43
5	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
6	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
7	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
8	Probabilistic infrasound propagation using realistic atmospheric perturbations. <i>Geophysical Research Letters</i> , 2015, 42, 6510-6517.	1.5	35
9	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
10	Evanescent wave coupling in a geophysical system: Airborne acoustic signals from the 8.1 Macquarie Ridge earthquake. <i>Geophysical Research Letters</i> , 2014, 41, 1644-1650.	1.5	29
11	ECMWF SSW forecast evaluation using infrasound. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4637-4650.	1.2	29
12	CLEAN beamforming for the enhanced detection of multiple infrasonic sources. <i>Geophysical Journal International</i> , 2020, 221, 305-317.	1.0	29
13	A Seismoacoustic Analysis of the 2017 North Korean Nuclear Test. <i>Seismological Research Letters</i> , 2018, 89, 2025-2033.	0.8	26
14	Advances in Infrasonic Remote Sensing Methods. , 2019, , 605-632.		24
15	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
16	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
17	The European Infrasound Bulletin. <i>Pure and Applied Geophysics</i> , 2018, 175, 3619-3638.	0.8	19
18	Middle Atmosphere Variability and Model Uncertainties as Investigated in the Framework of the ARISE Project. , 2019, , 845-887.		17

#	ARTICLE	IF	CITATIONS
19	The Study of Sudden Stratospheric Warmings Using Infrasound. , 2019, , 723-755.		14
20	The Potential Impact of Upper Stratospheric Measurements on Sub-seasonal Forecasts in the Extra-Tropics. , 2019, , 889-907.		13
21	A Threeâ€Dimensional Array for the Study of Infrasound Propagation Through the Atmospheric Boundary Layer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9299-9313.	1.2	12
22	Extracting low signal-to-noise ratio events with the Hough transform from sparse array data. Geophysics, 2018, 83, WC43-WC51.	1.4	10
23	Infrasound from the 2009 and 2017 DPRK rocket launches. Geophysical Journal International, 2018, 213, 1785-1791.	1.0	10
24	Probabilistic inversion for submerged source depth and strength from infrasound observations. Journal of the Acoustical Society of America, 2020, 147, 1066-1077.	0.5	9
25	Infrasound as a Cue for Seabird Navigation. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	7
26	Systematic recovery of instrumental timing and phase errors using interferometric surface-waves retrieved from large-N seismic arrays. Geophysical Journal International, 2020, 224, 1028-1055.	1.0	5
27	A Birdâ€™sâ€Eye View on Ambient Infrasonic Soundscapes. Geophysical Research Letters, 2021, 48, e2021GL094555.	1.5	5
28	The Mount Meron infrasound array: an infrasound array without a noise reduction system. Geophysical Journal International, 2019, 219, 1109-1117.	1.0	3
29	A study on the ambient noise field at a hydroacoustic array near Robinson Crusoe Island. Geophysical Journal International, 2019, 218, 88-99.	1.0	3
30	Longâ€Term Infrasonic Monitoring of Land and Marineâ€Terminating Glaciers in Greenland. Geophysical Research Letters, 2022, 49, .	1.5	2
31	Meteorological Source Variability in Atmospheric Gravity Wave Parameters Derived From a Tropical Infrasound Station. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4352-4364.	1.2	1
32	A climatology of microbarom detections at the Kerguelen Islands: unravelling the ambient noise wavefield. Geophysical Journal International, 0, , .	1.0	1
33	Hydroacoustic travel time variations as a proxy for passive deepâ€ocean thermometry â€ a cookbook. Journal of Geophysical Research: Oceans, 0, , .	1.0	0