

LÃslo G. Evers

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,713
citations

201575

27
h-index

189801

50
g-index

73
all docs

73
docs citations

73
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. <i>Science</i> , 2013, 342, 1069-1073.	6.0	487
2	A 500-kiloton airburst over Chelyabinsk and an enhanced hazard from small impactors. <i>Nature</i> , 2013, 503, 238-241.	13.7	348
3	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. <i>Science</i> , 2020, 369, 1338-1343.	6.0	202
4	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. <i>Science</i> , 2022, 377, 95-100.	6.0	170
5	Assessing the performance of the International Monitoring System's infrasound network: Geographical coverage and temporal variabilities. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	88
6	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
7	Listening to sounds from an exploding meteor and oceanic waves. <i>Geophysical Research Letters</i> , 2001, 28, 41-44.	1.5	74
8	The Characteristics of Infrasound, its Propagation and Some Early History. , 2010, , 3-27.		58
9	Long-range acoustic observations of the Eyjafjallajökull eruption, Iceland, April-May 2010. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	52
10	Infrasonic forerunners: Exceptionally fast acoustic phases. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	51
11	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
12	Infrasonic signature of the 2009 major sudden stratospheric warming. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	46
13	A Seismoacoustic Analysis of the Gas-Pipeline Explosion near Ghislenghien in Belgium. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 417-425.	1.1	44
14	Bidirectional infrasonic ducts associated with sudden stratospheric warming events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1140-1153.	1.2	43
15	Evidence for a meteoritic origin of the September 15, 2007, Carancas crater. <i>Meteoritics and Planetary Science</i> , 2008, 43, 1797-1809.	0.7	42
16	Characterization of infrasound from lightning. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	41
17	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
18	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

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19	The detectability of infrasound in The Netherlands from the Italian volcano Mt. Etna. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 259-268.	0.6	37
20	Seismo-acoustic analysis of the Buncefield oil depot explosion in the UK, 2005 December 11. <i>Geophysical Journal International</i> , 2008, 172, 1123-1134.	1.0	36
21	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
22	Probabilistic infrasound propagation using realistic atmospheric perturbations. <i>Geophysical Research Letters</i> , 2015, 42, 6510-6517.	1.5	35
23	The stratospheric arrival pair in infrasound propagation. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1846-1856.	0.5	35
24	Tracing a meteoric trajectory with infrasound. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	33
25	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
26	Evanescent wave coupling in a geophysical system: Airborne acoustic signals from the <i>M</i>_{<i>w</i>} 8.1 Macquarie Ridge earthquake. <i>Geophysical Research Letters</i> , 2014, 41, 1644-1650.	1.5	29
27	ECMWF SSW forecast evaluation using infrasound. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4637-4650.	1.2	29
28	CLEAN beamforming for the enhanced detection of multiple infrasonic sources. <i>Geophysical Journal International</i> , 2020, 221, 305-317.	1.0	29
29	Anomalous infrasound propagation in a hot stratosphere and the existence of extremely small shadow zones. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
30	Estimating tropospheric and stratospheric winds using infrasound from explosions. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 973-982.	0.5	28
31	A Seismoâ€Acoustic Analysis of the 2017 North Korean Nuclear Test. <i>Seismological Research Letters</i> , 2018, 89, 2025-2033.	0.8	26
32	Advances in Infrasonic Remote Sensing Methods. , 2019, , 605-632.		24
33	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
34	Long-range atmospheric infrasound propagation from subsurface sources. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1264-1274.	0.5	22
35	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
36	The impact and recovery of asteroid 2018 LA. <i>Meteoritics and Planetary Science</i> , 2021, 56, 844-893.	0.7	21

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37	Frequency response and design parameters for differential microbarometers. Journal of the Acoustical Society of America, 2011, 130, 33-41.	0.5	19
38	The European Infrasound Bulletin. Pure and Applied Geophysics, 2018, 175, 3619-3638.	0.8	19
39	Remote hydroacoustic sensing of large icebergs in the southern Indian Ocean: Implications for iceberg monitoring. Geophysical Research Letters, 2013, 40, 4694-4699.	1.5	15
40	Deep ocean sound speed characteristics passively derived from the ambient acoustic noise field. Geophysical Journal International, 2017, 210, 27-33.	1.0	15
41	The Study of Sudden Stratospheric Warmings Using Infrasound. , 2019, , 723-755.		14
42	DeepQuake " An application of CNN for seismo-acoustic event classification in The Netherlands. Computers and Geosciences, 2022, 159, 104980.	2.0	14
43	Ground Truth Events: Assessing the Capability of Infrasound Networks Using High Resolution Data Analyses. , 2010, , 599-625.		13
44	A Three-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
45	Extracting low signal-to-noise ratio events with the Hough transform from sparse array data. Geophysics, 2018, 83, WC43-WC51.	1.4	10
46	Infrasound from the 2009 and 2017 DPRK rocket launches. Geophysical Journal International, 2018, 213, 1785-1791.	1.0	10
47	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
48	Geophysical investigation across the Peel boundary fault (The Netherlands) for a paleoseismological study. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2001, 80, 119-127.	0.6	8
49	A climatology of infrasound detections in northern Norway at the experimental ARCI array. Journal of Seismology, 2011, 15, 473-486.	0.6	8
50	Passive probing of the sound fixing and ranging channel with hydro-acoustic observations from ridge earthquakes. Journal of the Acoustical Society of America, 2015, 137, 2124-2136.	0.5	8
51	Groningen explosion database. First Break, 2019, 37, 37-41.	0.2	8
52	Infrasonic interferometry of stratospherically refracted microbaroms "A numerical study. Journal of the Acoustical Society of America, 2013, 134, 2660-2668.	0.5	7
53	Infrasound as a Cue for Seabird Navigation. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	7
54	Long-range correlations of microseism-band pressure fluctuations in the ocean. Geophysical Journal International, 2016, 206, 825-834.	1.0	6

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55	The INFRA-EAR: a low-cost mobile multidisciplinary measurement platform for monitoring geophysical parameters. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3301-3317.	1.2	6
56	A Bird's-Eye View on Ambient Infrasonic Soundscapes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094555.	1.5	5
57	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
58	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
59	The Deelen Infrasound Array for Recording Sonic Booms and Events of CTBT Interest. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2000, 19, 123-133.	1.3	2
60	Performance Assessment of Geophysical Instrumentation Through the Automated Analysis of Power Spectral Density Estimates. <i>Earth and Space Science</i> , 2021, 8, e2021EA001675.	1.1	2
61	Long-Term Infrasonic Monitoring of Land and Marine-Terminating Glaciers in Greenland. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
62	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
63	A climatology of microbarom detections at the Kerguelen Islands: unravelling the ambient noise wavefield. <i>Geophysical Journal International</i> , 0, , .	1.0	1
64	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