

Michael A H Hedlin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

1,589
citations

25
h-index

38
g-index

61
ext. papers

1,784
ext. citations

5.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
54	Stormquakes. <i>Geophysical Research Letters</i> , 2019 , 46, 12909-12918	4.9	15
53	Detection of Infrasound Signals and Sources Using a Dense Seismic Network 2019 , 669-700		9
52	Using surface waves recorded by a large mesh of three-element arrays to detect and locate disparate seismic sources. <i>Geophysical Journal International</i> , 2018 , 215, 942-958	2.6	9
51	A New Automated Approach to Detecting and Locating Seismic Events Using Data from a Large Network. <i>Bulletin of the Seismological Society of America</i> , 2018 , 108, 2032-2045	2.3	9
50	A Multidisciplinary Study of the 17 January 2018 Bolide Terminal Burst over Southeast Michigan. <i>Seismological Research Letters</i> , 2018 , 89, 2183-2192	3	5
49	Solar Terminator Waves in Surface Pressure Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 5213-5219	4.9	6
48	Relationships Between Gravity Waves Observed at Earth's Surface and in the Stratosphere Over the Central and Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11,482-11,492	4.4	8
47	The USArray Transportable Array as a Platform for Weather Observation and Research. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 603-619	6.1	16
46	A Case Study on the Far-Field Properties of Propagating Tropospheric Gravity Waves. <i>Monthly Weather Review</i> , 2016 , 144, 2947-2961	2.4	14
45	Statistical characterization of atmospheric gravity waves by seismoacoustic observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 5345-5363	4.4	25
44	Forensic Investigation of a Probable Meteor Sighting Using USArray Acoustic Data. <i>Seismological Research Letters</i> , 2014 , 85, 1012-1018	3	4
43	A study of infrasonic anisotropy and multipathing in the atmosphere using seismic networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20110542	3	24
42	A Study of Infrasound Propagation Using Dense Seismic Network Recordings of Surface Explosions. <i>Bulletin of the Seismological Society of America</i> , 2012 , 102, 1927-1937	2.3	20
41	Western U.S. Infrasonic Catalog: Illuminating infrasonic hot spots with the USArray. <i>Journal of Geophysical Research</i> , 2011 , 116,		36
40	Finite difference synthesis of infrasound propagation through a windy, viscous atmosphere: application to a bolide explosion detected by seismic networks. <i>Geophysical Journal International</i> , 2011 , 185, 305-320	2.6	27
39	A study of acoustic propagation from a large bolide in the atmosphere with a dense seismic network. <i>Journal of Geophysical Research</i> , 2010 , 115,		37
38	Source location of the 19 February 2008 Oregon bolide using seismic networks and infrasound arrays. <i>Journal of Geophysical Research</i> , 2010 , 115,		27

37	Infrasound observations of the 2008 explosive eruptions of Okmok and Kasatochi volcanoes, Alaska. <i>Journal of Geophysical Research</i> , 2010 , 115,		18
36	THE SEISMOACOUSTIC WAVEFIELD: A NEW PARADIGM IN STUDYING GEOPHYSICAL PHENOMENA. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	62
35	The Temporal Morphology of Infrasound Propagation. <i>Pure and Applied Geophysics</i> , 2010 , 167, 437-453	2.2	46
34	Atmospheric Variability and Infrasound Monitoring 2010 , 475-507		27
33	The source of infrasound associated with long-period events at Mount St. Helens. <i>Journal of Geophysical Research</i> , 2009 , 114,		60
32	Infrasonic jet noise from volcanic eruptions. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	78
31	Regional monitoring of infrasound events using multiple arrays: application to Utah and Washington State. <i>Geophysical Journal International</i> , 2008 , 175, 291-300	2.6	38
30	High-Altitude Infrasound Calibration Experiments. <i>Acoustics Today</i> , 2008 , 4, 9	0	15
29	Seismic and acoustic recordings of an unusually large rockfall at Mount St. Helens, Washington. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	39
28	Evaluation of infrasound signals from the shuttle Atlantis using a large seismic network. <i>Journal of the Acoustical Society of America</i> , 2008 , 124, 1442-51	2.2	33
27	Methods for determining infrasound phase velocity direction with an array of line sensors. <i>Journal of the Acoustical Society of America</i> , 2008 , 124, 2090-9	2.2	9
26	Infrasonic Signals from Large Mining Explosions. <i>Bulletin of the Seismological Society of America</i> , 2008 , 98, 768-777	2.3	8
25	A joint seismic and acoustic study of the Washington State bolide: Observations and modeling. <i>Journal of Geophysical Research</i> , 2007 , 112,		35
24	Identification of Delay-Fired Mining Explosions Using Seismic Arrays: Application to the PDAR Array in Wyoming, USA. <i>Bulletin of the Seismological Society of America</i> , 2007 , 97, 989-1001	2.3	3
23	Infrasound. <i>Acoustics Today</i> , 2006 , 2, 9	0	18
22	Discrimination of Delay-Fired Mine Blasts in Wyoming Using an Automatic Time-Frequency Discriminant. <i>Bulletin of the Seismological Society of America</i> , 2006 , 96, 2368-2382	2.3	17
21	Observations of infrasound from surf in southern California. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	34
20	The use of impedance matching capillaries for reducing resonance in rosette infrasonic spatial filters. <i>Journal of the Acoustical Society of America</i> , 2005 , 117, 1880-8	2.2	20

19	Infrasonic wind-noise reduction by barriers and spatial filters. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 1379-86	2.2	30
18	Evaluation of rosette infrasonic noise-reducing spatial filters. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 1807-20	2.2	39
17	An optical fiber infrasound sensor: a new lower limit on atmospheric pressure noise between 1 and 10 Hz. <i>Journal of the Acoustical Society of America</i> , 2003 , 113, 2474-9	2.2	27
16	Surveying Infrasonic Noise on Oceanic Islands. <i>Pure and Applied Geophysics</i> , 2002 , 159, 1127-1152	2.2	10
15	Ionospheric signature of surface mine blasts from Global Positioning System measurements. <i>Geophysical Journal International</i> , 2002 , 132, 191-202	2.6	92
14	CHARACTERIZATION OF MINING EXPLOSIONS AT REGIONAL DISTANCES: IMPLICATIONS WITH THE INTERNATIONAL MONITORING SYSTEM. <i>Reviews of Geophysics</i> , 2002 , 40, 2-1	23.1	29
13	Probing mid-mantle heterogeneity using PKP coda waves. <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 130, 195-208	2.3	20
12	Old seismic data yield new insights. <i>Eos</i> , 2000 , 81, 469	1.5	4
11	Evidence for partial melt at the core-mantle boundary north of Tonga from the strong scattering of seismic waves. <i>Nature</i> , 1998 , 391, 682-685	50.4	146
10	SEISMOLOGY:Monitoring Nuclear Tests 1998 , 281, 1967-1968		25
9	Migration of backscatter data from the Mid-Atlantic Ridge. <i>Journal of the Acoustical Society of America</i> , 1998 , 103, 1787-1803	2.2	4
8	A global test of a time-frequency small-event discriminant. <i>Bulletin of the Seismological Society of America</i> , 1998 , 88, 973-988	2.3	8
7	Seismic evidence for small-scale heterogeneity throughout the Earth's mantle. <i>Nature</i> , 1997 , 387, 145-150	50.4	156
6	Resolution of prominent crustal scatterers near the Noress small-aperture array. <i>Geophysical Journal International</i> , 1994 , 119, 101-115	2.6	16
5	Beam-Stack Imaging using a small aperture array. <i>Geophysical Research Letters</i> , 1991 , 18, 1771-1774	4.9	20
4	An automatic means to discriminate between earthquakes and quarry blasts. <i>Bulletin of the Seismological Society of America</i> , 1990 , 80, 2143-2160	2.3	40
3	The time-frequency characteristics of quarry blasts and calibration explosions recorded in Kazakhstan, USSR. <i>Geophysical Journal International</i> , 1989 , 99, 109-122	2.6	51
2	A comparative study of island, seafloor, and subseafloor ambient noise levels. <i>Bulletin of the Seismological Society of America</i> , 1989 , 79, 172-179	2.3	14

- 1 A palaeomagnetic study of some Pleistocene sediments in northern Canada and its bearing on the secular variation of the geomagnetic field. *Geophysical Journal International*, **1987**, 90, 693-703 2.6 6