The seismic traffic footprint: Tracking trains, aircraft, a

Citation Report

#	ARTICLE	IF	CITATIONS
1	Locating sources in a dense array through network-based clustering. , 2016, , .		2
2	On the origin of the signals observed across the seismic spectrum. Earth-Science Reviews, 2016, 161, 224-232.	9.1	29
3	Realâ€time detection, location, and characterization of rockslides using broadband regional seismic networks. Geophysical Research Letters, 2016, 43, 6960-6967.	4.0	56
4	Analysis and models of pre-injection surface seismic array noise recorded at the Aquistore carbon storage site. Geophysical Journal International, 2016, 206, 1246-1260.	2.4	23
5	High-frequency Rayleigh-wave tomography using traffic noise from Long Beach, California. Geophysics, 2016, 81, B43-B53.	2.6	37
6	Acoustic and seismic ambient noise measurements in urban and rural areas. Applied Acoustics, 2017, 119, 135-143.	3.3	19
7	Urban Seismology: on the origin of earth vibrations within a city. Scientific Reports, 2017, 7, 15296.	3.3	82
8	Characterizing Broadband Seismic Noise in Central London. Seismological Research Letters, 2017, 88, 113-124.	1.9	38
9	Using graph clustering to locate sources within a dense sensor array. Signal Processing, 2017, 132, 110-120.	3.7	19
10	Graph clustering for localization within a sensor array. , 2017, , .		0
11	High-resolution microseismic detection and location using Large-N arrays. , 2017, , .		1
12	High-resolution seismic event detection using local similarity for Large-N arrays. Scientific Reports, 2018, 8, 1646.	3.3	56
13	Preface to the Focus Section on Geophone Array Seismology. Seismological Research Letters, 2018, 89, 1597-1600.	1.9	32
14	Longâ€Period Longâ€Duration Events Detected by the IRIS Community Wavefield Demonstration Experiment in Oklahoma: Tremor or Train Signals?. Seismological Research Letters, 2018, 89, 1652-1659.	1.9	12
15	Sources of Longâ€Range Anthropogenic Noise in Southern California and Implications for Tectonic Tremor Detection. Bulletin of the Seismological Society of America, 0, , .	2.3	25
16	Doa Estimation in Heteroscedastic Noise with Sparse Bayesian Learning. , 2018, , .		0
17	Traffic Flow Detection Using Distributed Fiber Optic Acoustic Sensing. IEEE Access, 2018, 6, 68968-68980.	4.2	50
18	Pushing the limit of earthquake detection with distributed acoustic sensing and template matching: a case study at the Brady geothermal field. Geophysical Journal International, 2018, 215, 1583-1593.	2.4	72

#	ARTICLE	IF	CITATIONS
19	Investigating microearthquake finite source attributes with IRIS Community Wavefield Demonstration Experiment in Oklahoma. Geophysical Journal International, 2018, 214, 1072-1087.	2.4	31
20	Passive processing of active nodal seismic data: estimation of &lt;i&gt;V&lt;/i&gt;&lt;sub&gt;P&lt;/sub&gt;â•&lt;i&gt;V&lt;/i&gt;&lt;ratios to characterize structure and hydrology of an alpine valley infill. Solid Earth, 2019, 10, 1337-1354.	2.8	8
21	Characteristics of Ground Motion Generated by Wind Interaction With Trees, Structures, and Other Surface Obstacles. Journal of Geophysical Research: Solid Earth, 2019, 124, 8519-8539.	3.4	46
22	High-resolution seismic tomography of Long Beach, CA using machine learning. Scientific Reports, 2019, 9, 14987.	3.3	27
23	Analysis of surface and seismic sources in dense array data with match field processing and Markov chain Monte Carlo sampling. Geophysical Journal International, 2019, 218, 1044-1056.	2.4	15
24	Do Lowâ€Cost Seismographs Perform Well Enough for Your Network? An Overview of Laboratory Tests and Field Observations of the OSOP Raspberry Shake 4D. Seismological Research Letters, 2019, 90, 219-228.	1.9	53
25	DOA Estimation in heteroscedastic noise. Signal Processing, 2019, 161, 63-73.	3.7	27
26	Vehicle Detection and Classification Using Distributed Fiber Optic Acoustic Sensing. IEEE Transactions on Vehicular Technology, 2020, 69, 1363-1374.	6.3	69
27	Separating the scattered wavefield from teleseismic P using curvelets on the long beach array data set. Geophysical Journal International, 2020, 220, 1112-1127.	2.4	8
28	Establishing High-Frequency Noise Baselines to 100ÂHz Based on Millions of Power Spectra from IRIS MUSTANG. Bulletin of the Seismological Society of America, 2020, 110, 270-278.	2.3	11
29	COVID-19 lockdown and its latency in Northern Italy: seismic evidence and socio-economic interpretation. Scientific Reports, 2020, 10, 16487.	3.3	26
30	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343.	12.6	202
31	COVID-19 Societal Response Captured by Seismic Noise in China and Italy. Seismological Research Letters, 2020, 91, 2757-2768.	1.9	35
32	Characteristics of the Ambient Seismic Field on a Large-N Seismic Array in the Vienna Basin. Seismological Research Letters, 2020, 91, 2803-2816.	1.9	14
33	Connecting beamforming and kernel-based noise source inversion. Geophysical Journal International, 2020, 224, 1607-1620.	2.4	13
34	Campus Vibration in Nanwangshan Campus, China University of Geosciences at Wuhan Monitored by Short-Period Seismometers. Journal of Earth Science (Wuhan, China), 2020, 31, 950-956.	3.2	5
35	A case study of mapping igneous sill distribution in coal measures using borehole and 3D seismic data. International Journal of Coal Geology, 2020, 227, 103531.	5.0	3
36	Detection Limits and Nearâ€Field Ground Motions of Fast and Slow Earthquakes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018935.	3.4	4

#	ARTICLE	IF	CITATIONS
37	Correlation between Ambient Seismic Noises and Economic Growth. Seismological Research Letters, 2020, 91, 2343-2354.	1.9	25
38	Installation and Performance of the Albuquerque Seismological Laboratory Small-Aperture Posthole Array. Seismological Research Letters, 2020, 91, 2425-2437.	1.9	8
39	A method to fuse multiphysics waveforms and improve predictive explosion detection: theory, experiment and performance. Geophysical Journal International, 2020, 222, 1195-1212.	2.4	7
40	Seismometers Within Cities: A Tool to Connect Earth Sciences and Society. Frontiers in Earth Science, 2020, 8, .	1.8	24
41	Analysis of Local Seismic Events near a Large-N Array for Moho Reflections. Seismological Research Letters, 2021, 92, 408-420.	1.9	1
42	Humming Trains in Seismology: An Opportune Source for Probing the Shallow Crust. Seismological Research Letters, 2021, 92, 623-635.	1.9	19
43	Recent advances in earthquake monitoring I: Ongoing revolution of seismic instrumentation. Earthquake Science, 2021, 34, 177-188.	0.9	5
44	Analysis of Seismic Signals Generated by Vehicle Traffic with Application to Derivation of Subsurface Q-Values. Seismological Research Letters, 2021, 92, 2354-2363.	1.9	14
45	Seismic signature of the COVID-19 lockdown at the city scale: a case study with low-cost seismometers in the city of Querétaro, Mexico. Solid Earth, 2021, 12, 713-724.	2.8	5
46	Seismic event detection in urban Singapore using a nodal array and frequency domain array detector: earthquakes, blasts and thunderquakes. Geophysical Journal International, 2021, 226, 1542-1557.	2.4	8
47	A pitfall of applying one-bit normalization in passive surface-wave imaging from ultra-short roadside noise. Journal of Applied Geophysics, 2021, 187, 104285.	2.1	11
48	Ambient Noise Level in Eastern North China from ChinArray and Its Response to COVID-19. Seismological Research Letters, 2021, 92, 3586-3601.	1.9	4
50	Vibration Threshold Exceedances in the Groningen Building Vibration Monitoring Network. Frontiers in Built Environment, 2021, 7, .	2.3	2
51	Moving target recognition with seismic sensing: A review. Measurement: Journal of the International Measurement Confederation, 2021, 181, 109584.	5.0	13
52	COVID-19 and environment: a poignant reminder of sustainability in the new normal. Environmental Sustainability, 2021, 4, 649-670.	2.8	3
53	Anonymous vehicle identification on seismic spectrograms. , 2021, , .		4
54	COVID-19 lockdown effects on the seismic recordings in Central America. Solid Earth, 2021, 12, 2127-2144.	2.8	2
55	Lockdowns and their influence on Earth's hum. Scientific Reports, 2021, 11, 17838.	3.3	1

#	ARTICLE	IF	CITATIONS
56	Urban activity monitoring using wireless geophones in Singapore. , 2021, , .		2
57	Gridless Variational Direction-of-Arrival Estimation in Heteroscedastic Noise Environment. IEEE Journal of Oceanic Engineering, 2021, 46, 1313-1329.	3.8	7
58	High-frequency Rayleigh-wave tomography using traffic noise from Long Beach, California. Geophysics, 2016, 81, B1-B11.	2.6	6
59	The seismic aircraft footprint: Probing near surface and tracking aircraft. , 2020, , .		5
60	Deep Clustering to Identify Sources of Urban Seismic Noise in Long Beach, California. Seismological Research Letters, 2021, 92, 1011-1022.	1.9	17
61	Longâ€Period Longâ€Duration Events Detected by the IRIS Community Wavefield Demonstration Experiment in Oklahoma: Tremor or Train Signals?. Seismological Research Letters, 0, , .	1.9	0
62	Automatic Classification of Road Traffic with Fiber Based Sensors in Smart Cities Applications. Lecture Notes in Computer Science, 2020, , 31-46.	1.3	0
63	Temporal changes in anthropogenic seismic noise levels associated with economic and leisure activities during the COVID-19 pandemic. Scientific Reports, 2021, 11, 20439.	3.3	6
64	Vibration of natural rock arches and towers excited by helicopter-sourced infrasound. Earth Surface Dynamics, 2021, 9, 1459-1479.	2.4	5
65	Seismic Advances in Process Geomorphology. Annual Review of Earth and Planetary Sciences, 2022, 50, 183-204.	11.0	9
66	Hierarchical Exploration of Continuous Seismograms With Unsupervised Learning. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	15
67	Characteristics and impact of environmental shaking in the Taipei metropolitan area. Scientific Reports, 2022, 12, 743.	3.3	4
68	Near-surface imaging from traffic-induced surface waves with dense linear arrays: An application in the urban area of Hangzhou, China. Geophysics, 2022, 87, B145-B158.	2.6	33
69	Using unsupervised machine learning for clustering seismic noise. , 2022, , .		0
70	Human migration-induced impacts on noise in GNSS position time series. All Earth, 2022, 34, 1-7.	2.1	1
71	Seismic Waveformâ€Coherence Controlled by Earthquake Source Dimensions. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
72	Big Data Seismology. Reviews of Geophysics, 2022, 60, .	23.0	24
73	Roles of subway speed and configuration on subway-induced seismic noises in an urban region. Journal of Applied Geophysics, 2022, , 104668.	2.1	1

#	ARTICLE	IF	CITATIONS
74	Exploring the Economic Effects of COVID-19 in the United States through the Seismograph*. Contributions To Economic Analysis, 2022, 296, 85-93.	0.1	0
75	Matched Field Processing accounting for complex Earth structure: method and review. Geophysical Journal International, 0, , .	2.4	3
76	Railway Line Occupancy Control Based on Distance Determination Sound Method. Sensors, 2022, 22, 5003.	3.8	1
77	Natural and Anthropogenic Sources of Seismic, Hydroacoustic, and Infrasonic Waves: Waveforms and Spectral Characteristics (and Their Applicability for Sensor Calibration). Surveys in Geophysics, 2022, 43, 1265-1361.	4.6	7
78	Determination of Borehole Seismic Sensor Orientation Using Microseisms. Bulletin of the Seismological Society of America, 2022, 112, 2327-2343.	2.3	2
79	Subsurface characterization using passive seismic in the urban area of Dublin City, Ireland. Geophysical Prospecting, 2022, 70, 1432-1454.	1.9	1
80	Seismonomics: Listening to the heartbeat of the economy. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	1.1	0
81	Urban Fiber Based Laser Interferometry for Traffic Monitoring and Analysis. Journal of Lightwave Technology, 2023, 41, 347-354.	4.6	2
82	Seismic Interferometry Applied to Wind Farm and Other Anthropogenic Noise Sources. Seismological Research Letters, 0, , .	1.9	0
83	Seismic Signature of Rain and Wind Inferred From Seismic Data. Earth and Space Science, 2022, 9, .	2.6	6
84	Application of an Innovative Monolithic Mechanical Seismometer for Urban Vibroscape Monitoring. Lecture Notes in Networks and Systems, 2023, , 644-655.	0.7	0
85	The Seismic Signature of California's Earthquakes, Droughts, and Floods. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	4
86	The Seismic Signature of a High-Energy Density Physics Laboratory and Its Potential for Measuring Time-Dependent Velocity Structure. Seismological Research Letters, 0, , .	1.9	0
87	Seeking Repeating Anthropogenic Seismic Sources: Implications for Seismic Velocity Monitoring at Fault Zones. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	4
88	Quantifying Urban Activities Using Nodal Seismometers in a Heterogeneous Urban Space. Sensors, 2023, 23, 1322.	3.8	0
89	Characterizing Ambient Seismic Noise in an Urban Park Environment. Sensors, 2023, 23, 2446.	3.8	2
90	Monitoring induced microseismicity in an urban context using very small seismic arrays: The case study of the Vendenheim EGS project. Geophysics, 2023, 88, WB71-WB87.	2.6	0
91	Tracking the Effect of Human Activity on MeSO-net Noise Using Seismic Data Traffic—Did Seismic Noise in Tokyo Truly Decrease during the COVID-19 State of Emergency?. Seismological Research Letters, 0, , .	1.9	0

#	Article	IF	Citations
92	Unsupervised clustering of ambient seismic noise in an urban environment. Computers and Geosciences, 2023, 179, 105432.	4.2	1
93	Elephant DOA Estimation using a Geophone Network. , 2023, , .		0
94	Seismic Footprints Monitoring and Trajectory Tracking of Moving Aircrafts. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-10.	6.3	1
95	Sensing Human Activity of the Guangdongâ€"Hong Kongâ€"Macao Greater Bay Area by Ambient Seismic Noise. Remote Sensing, 2023, 15, 5340.	4.0	0
96	Distributed Acoustic Sensing for Crowd Motion and Firecracker Explosions in the Fireworks Show. Seismological Research Letters, 0, , .	1.9	0