

Craig Hickey

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

308
citations

1040056

9
h-index

888059

17
g-index

33
all docs

33
docs citations

33
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic measurements of pore-scale displacements. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	45
2	The effect of evaporation-condensation on sound propagation in cylindrical tubes using the low reduced frequency approximation. <i>Journal of the Acoustical Society of America</i> , 1999, 105, 65-73.	1.1	35
3	Effects of Compaction on the Acoustic Velocity in Soils. <i>Soil Science Society of America Journal</i> , 2004, 68, 7-16.	2.2	31
4	Choosing Biot parameters for modeling water-saturated sand. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 1480-1484.	1.1	27
5	Wind-induced ground motion. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 917-930.	3.4	26
6	Measurements of two types of dilatational waves in an air-filled unconsolidated sand. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 128-136.	1.1	25
7	Effects of thermal diffusion on sound attenuation in evaporating and condensing gas-vapor mixtures in tubes. <i>Journal of the Acoustical Society of America</i> , 2000, 107, 1126-1130.	1.1	18
8	The effect of the physical properties of the tube wall on the attenuation of sound in evaporating and condensing gas-vapor mixtures. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 2120-2124.	1.1	11
9	Acoustic end corrections for micro-perforated plates. <i>Journal of the Acoustical Society of America</i> , 2019, 146, EL399-EL404.	1.1	11
10	Subsurface Tunnel Detection Using Electrical Resistivity Tomography and Seismic Refraction Tomography: A Case Study., 2010, , .		11
11	Thermo-viscous acoustic modeling of perforated micro-electro-mechanical systems (MEMS). <i>Journal of the Acoustical Society of America</i> , 2020, 148, 2376-2385.	1.1	9
12	Effects of Compaction on the Acoustic Velocity in Soils. <i>Soil Science Society of America Journal</i> , 2004, 68, 7.	2.2	9
13	Acoustic techniques for studying soil-surface seals and crusts. <i>Ecohydrology</i> , 2009, 2, 257-262.	2.4	8
14	Investigation of the near subsurface using acoustic to seismic coupling. <i>Ecohydrology</i> , 2009, 2, 263-269.	2.4	7
15	Seismic Measurements for Detecting Underground High-Contrast Voids. , 2009, , .		7
16	Seismic diffraction separation in the near surface: Detection of high-contrast voids in unconsolidated soils. <i>Geophysics</i> , 2021, 86, WA13-WA23.	2.6	7
17	Wind-induced Ground Motion: Dynamic Model and Nonuniform Structure for Ground. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8478-8490.	3.4	5
18	Corrected Tilt Calculation for Atmospheric Pressure-Induced Seismic Noise. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1247.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Time-lapse Seismic Measurements on a Small Earthen Embankment During an Internal Erosion Experiment. , 2009, , .		3
20	Improving near-surface anomaly detection via a full-waveform inversion scheme integrated with seismic diffraction tomography. , 2020, , .		3
21	Analytical, computational, and experimental study of thermoviscous acoustic damping in perforated micro-electro-mechanical systems with flexible diaphragm. Journal of the Acoustical Society of America, 2021, 150, 2749-2756.	1.1	2
22	Seismic and acoustic excitation for shallow void detection: Experiments over a known buried pipe. , 2021, , .		1
23	Improving optimum-offset data for near-surface reflection surveying using a multi-parameter stacking scheme. , 2019, , .		1
24	Using common-reflection-surface stack for enhanced near-surface seismic reflection imaging: Examples from consolidated and unconsolidated environments. Geophysics, 2022, 87, EN45-EN56.	2.6	1
25	Detection of buried landmines using Bayesian model selection. AIP Conference Proceedings, 2001, , .	0.4	0
26	TIME-LAPSE SEISMIC TOMOGRAPHY AND ELECTRICAL RESISTIVITY MAPPING OF A SMALL EMBANKMENT DAM WITH POSSIBLE ZONES OF WEAKNESS.. , 2013, , .		0
27	Time-lapse streaming-potential measurement in a sand-box and calculation of streaming potential coupling coefficient. , 2021, , .		0
28	Imaging of near-surface seismic reflections using kinematic wavefront attributes. , 2021, , .		0
29	Mapping internal erosion soil pipes using geophysical methods. , 2021, , .		0
30	Seasonal influences on Seismic Signatures of Compromised Zones within Earthen Embankments. , 2015, , .		0
31	GEOPHYSICAL SURVEYS ON CARROLL COUNTY DAM. , 2018, , .		0
32	INFLUENCE OF GROUND INHOMOGENEITY ON WIND INDUCED GROUND VIBRATIONS. , 2018, , .		0
33	ELASTODYNAMIC RESPONSE OF THE GROUND SURFACE CAUSED BY WIND. , 2018, , .		0