

Jean-Luc Chatelain

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,364
citations

361413

20
h-index

345221

36
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38
all docs

38
docs citations

38
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Stability and Non-Reproducibility of Ambient Vibration HVSr Peaks in Algiers (Algeria). Journal of Earthquake Engineering, 2021, 25, 853-871.	2.5	6
2	Geopsy: A User-Friendly Open-Source Tool Set for Ambient Vibration Processing. Seismological Research Letters, 2020, 91, 1878-1889.	1.9	203
3	Mediterranean Sea and anthropogenic influences on ambient vibration amplitudes in the low-frequency and high-frequency domains in the Algiers region. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	3
4	Building frequency fluctuations from continuous monitoring of ambient vibrations and their relationship to temperature variations. Bulletin of Earthquake Engineering, 2016, 14, 2213-2227.	4.1	13
5	Meteorological conditions influence on quantification of site effects at low frequency using the seismic ambient noise. , 2015, , .		0
6	Establishing Empirical Period Formula for RC Buildings in Lima, Peru: Evidence for the Impact of Both the 1974 Lima Earthquake and the Application of the Peruvian Seismic Code on High-Rise Buildings. Seismological Research Letters, 2014, 85, 1308-1315.	1.9	10
7	Reliable Fundamental Frequencies of Soils and Buildings Down to 0.1 Hz Obtained from Ambient Vibration Recordings with a 4.5-Hz Sensor. Seismological Research Letters, 2013, 84, 199-209.	1.9	14
8	Basement Mapping with Single-Station and Array Ambient Vibration Data: Delineating Faults under Boumerdes City, Algeria. Seismological Research Letters, 2012, 83, 798-805.	1.9	18
9	Experimental Relationship Between Ambient Vibration H/V Peak Amplitude and Shear-wave Velocity Contrast. Seismological Research Letters, 2012, 83, 1038-1046.	1.9	26
10	Ambient Vibration Recording for Single-Station, Array and Building Studies Made Simple: CityShark II. International Journal of Geosciences, 2012, 03, 1168-1175.	0.6	25
11	Failure of landslide stabilization measures: The Sidi Rached viaduct case (Constantine, Algeria). Journal of African Earth Sciences, 2011, 59, 349-358.	2.0	22
12	Seismic Empirical Relations for the Tellian Atlas, North Africa, and their Usefulness for Seismic Risk Assessment. Pure and Applied Geophysics, 2010, 167, 277-321.	1.9	9
13	Evidence for an underground runoff and soil permeability at the Ouled Fayet (Algiers, Algeria) subsurface landfill pilot project from geophysical investigations. Environmental Earth Sciences, 2010, 59, 1149-1158.	2.7	7
14	Ambient Vibration Techniques Applied to Explain Heavy Damages Caused in Corso (Algeria) by the 2003 Boumerdes Earthquake: Understanding Seismic Amplification Due to Gentle Slopes. Seismological Research Letters, 2010, 81, 928-940.	1.9	22
15	Heavier Damages without Site Effects and Site Effects with Lighter Damages: Boumerdes City (Algeria) after the May 2003 Earthquake. Seismological Research Letters, 2010, 81, 37-43.	1.9	26
16	Retrofitting and Strengthening Evaluation from Stiffness Variations of a Damaged Building from Ambient Vibration Recordings. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 227-238.	0.2	7
17	Examples of geomorphologic and geological hazards in Algeria. Natural Hazards, 2008, 45, 295-308.	3.4	42
18	Influence of instruments on the H/V spectral ratios of ambient vibrations. Bulletin of Earthquake Engineering, 2008, 6, 3-31.	4.1	82

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19	Evaluation of the influence of experimental conditions on H/V results from ambient noise recordings. Bulletin of Earthquake Engineering, 2008, 6, 33-74.	4.1	112
20	False Site Effects: The Anjar Case, following the 2001 Bhuj (India) Earthquake. Seismological Research Letters, 2008, 79, 816-819.	1.9	22
21	Modal analysis and ambient vibration measurements on Mila-Algeria cable stayed bridge. Structural Engineering and Mechanics, 2008, 29, 171-186.	1.0	12
22	Use of Ambient Noise: From Spectral Amplitude Variability to H/V Stability. Journal of Earthquake Engineering, 2007, 11, 925-942.	2.5	37
23	Evidence for a seismic activity mainly constituted of hybrid events at Cayambe volcano, Ecuador. Interpretation in a iced-domes volcano context. Comptes Rendus - Geoscience, 2006, 338, 499-506.	1.2	4
24	Evidence for fault-related directionality and localized site effects from strong motion recordings of the 2003 Boumerdes (Algeria) earthquake: Consequences on damage distribution and the Algerian seismic code. Soil Dynamics and Earthquake Engineering, 2006, 26, 991-1003.	3.8	36
25	Seismological evidence on the geometry of the Orogenic System in central-northern Ecuador (South) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	88
26	An indication of the soil topmost layer response in Quito (Ecuador) using noise H/V spectral ratio. Soil Dynamics and Earthquake Engineering, 2000, 19, 127-133.	3.8	45
27	Earthquake risk management pilot project in Quito, Ecuador. Geo Journal, 1999, 49, 185-196.	3.1	15
28	Site effect and damage distribution in Pujili (Ecuador) after the 28 March 1996 earthquake. Soil Dynamics and Earthquake Engineering, 1998, 17, 329-334.	3.8	53
29	Possible causes for the seismic activity observed in Cotopaxi Volcano, Ecuador. Geophysical Research Letters, 1998, 25, 2305-2308.	4.0	21
30	The Mw 6.8 Macas Earthquake in the Sub-Andean Zone of Ecuador, October 3, 1995. Seismological Research Letters, 1996, 67, 27-32.	1.9	14
31	Basement seismicity beneath the Andean precordillera thin-skinned thrust belt and implications for crustal and lithospheric behavior. Tectonics, 1993, 12, 63-76.	2.8	110
32	Unfolding the subducting plate in the central New Hebrides Island ARC: Geometrical argument for detachment of part of the downgoing slab. Geophysical Research Letters, 1993, 20, 655-658.	4.0	21
33	Value, aseismic deformation and brittle failure within an isolated geological object: Evidences from a dome structure loaded by fluid extraction. Geophysical Research Letters, 1992, 19, 1149-1152.	4.0	14
34	Attenuation of high-frequency seismic waves beneath the central Andean Plateau. Journal of Geophysical Research, 1992, 97, 19929-19947.	3.3	85
35	Seismicity and tectonics in Jujuy Province, northwestern Argentina. Tectonics, 1992, 11, 944-959.	2.8	52
36	Detachment of part of the downgoing slab and uplift of the New Hebrides (Vanuatu) Islands. Geophysical Research Letters, 1992, 19, 1507-1510.	4.0	54

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37	Locating a point on a spherical surface relative to a spherical polygon of arbitrary shape. <i>Mathematical Geosciences</i> , 1989, 21, 811-828.	0.9	17
38	Expansion of the aftershock zone following the Vanuatu (New Hebrides) Earthquake on 15 July 1981. <i>Geophysical Research Letters</i> , 1983, 10, 385-388.	4.0	17