

Jean-Luc Chatelain

List of Publications by Year in descending order

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38
papers

1,364
citations

361413

20
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Geopsy: A User-Friendly Open-Source Tool Set for Ambient Vibration Processing. <i>Seismological Research Letters</i> , 2020, 91, 1878-1889.	1.9	203
2	Evaluation of the influence of experimental conditions on H/V results from ambient noise recordings. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 33-74.	4.1	112
3	Basement seismicity beneath the Andean precordillera thin-skinned thrust belt and implications for crustal and lithospheric behavior. <i>Tectonics</i> , 1993, 12, 63-76.	2.8	110
4	Seismological evidence on the geometry of the Orogenic System in central-northern Ecuador (South Tj ETQq0 0 0 rgeBT /Overlock 10 Tf	4.0	88
5	Attenuation of high-frequency seismic waves beneath the central Andean Plateau. <i>Journal of Geophysical Research</i> , 1992, 97, 19929-19947.	3.3	85
6	Influence of instruments on the H/V spectral ratios of ambient vibrations. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 3-31.	4.1	82
7	Detachment of part of the downgoing slab and uplift of the New Hebrides (Vanuatu) Islands. <i>Geophysical Research Letters</i> , 1992, 19, 1507-1510.	4.0	54
8	Site effect and damage distribution in Pujili (Ecuador) after the 28 March 1996 earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 1998, 17, 329-334.	3.8	53
9	Seismicity and tectonics in Jujuy Province, northwestern Argentina. <i>Tectonics</i> , 1992, 11, 944-959.	2.8	52
10	An indication of the soil topmost layer response in Quito (Ecuador) using noise H/V spectral ratio. <i>Soil Dynamics and Earthquake Engineering</i> , 2000, 19, 127-133.	3.8	45
11	Examples of geomorphologic and geological hazards in Algeria. <i>Natural Hazards</i> , 2008, 45, 295-308.	3.4	42
12	Use of Ambient Noise: From Spectral Amplitude Variability to H/V Stability. <i>Journal of Earthquake Engineering</i> , 2007, 11, 925-942.	2.5	37
13	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. <i>Soil Dynamics and Earthquake Engineering</i> , 2006, 26, 991-1003.	3.8	36
14	Heavier Damages without Site Effects and Site Effects with Lighter Damages: Boumerdes City (Algeria) after the May 2003 Earthquake. <i>Seismological Research Letters</i> , 2010, 81, 37-43.	1.9	26
15	Experimental Relationship Between Ambient Vibration H/V Peak Amplitude and Shear-wave Velocity Contrast. <i>Seismological Research Letters</i> , 2012, 83, 1038-1046.	1.9	26
16	Ambient Vibration Recording for Single-Station, Array and Building Studies Made Simple: CityShark II. <i>International Journal of Geosciences</i> , 2012, 03, 1168-1175.	0.6	25
17	False Site Effects: The Anjar Case, following the 2001 Bhuj (India) Earthquake. <i>Seismological Research Letters</i> , 2008, 79, 816-819.	1.9	22
18	Ambient Vibration Techniques Applied to Explain Heavy Damages Caused in Corso (Algeria) by the 2003 Boumerdes Earthquake: Understanding Seismic Amplification Due to Gentle Slopes. <i>Seismological Research Letters</i> , 2010, 81, 928-940.	1.9	22

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19	Failure of landslide stabilization measures: The Sidi Rached viaduct case (Constantine, Algeria). <i>Journal of African Earth Sciences</i> , 2011, 59, 349-358.	2.0	22
20	Unfolding the subducting plate in the central New Hebrides Island ARC: Geometrical argument for detachment of part of the downgoing slab. <i>Geophysical Research Letters</i> , 1993, 20, 655-658.	4.0	21
21	Possible causes for the seismic activity observed in Cotopaxi Volcano, Ecuador. <i>Geophysical Research Letters</i> , 1998, 25, 2305-2308.	4.0	21
22	Basement Mapping with Single-Station and Array Ambient Vibration Data: Delineating Faults under Boumerdes City, Algeria. <i>Seismological Research Letters</i> , 2012, 83, 798-805.	1.9	18
23	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
24	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
25	Earthquake risk management pilot project in Quito, Ecuador. <i>Geo Journal</i> , 1999, 49, 185-196.	3.1	15
26	Value, aseismic deformation and brittle failure within an isolated geological object: Evidences from a dome structure loaded by fluid extraction. <i>Geophysical Research Letters</i> , 1992, 19, 1149-1152.	4.0	14
27	The Mw 6.8 Macas Earthquake in the Sub-Andean Zone of Ecuador, October 3, 1995. <i>Seismological Research Letters</i> , 1996, 67, 27-32.	1.9	14
28	Reliable Fundamental Frequencies of Soils and Buildings Down to 0.1 Hz Obtained from Ambient Vibration Recordings with a 4.5-Hz Sensor. <i>Seismological Research Letters</i> , 2013, 84, 199-209.	1.9	14
29	Building frequency fluctuations from continuous monitoring of ambient vibrations and their relationship to temperature variations. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 2213-2227.	4.1	13
30	Modal analysis and ambient vibration measurements on Mila-Algeria cable stayed bridge. <i>Structural Engineering and Mechanics</i> , 2008, 29, 171-186.	1.0	12
31	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. <i>Seismological Research Letters</i> , 2014, 85, 1308-1315.	1.9	10
32	Seismic Empirical Relations for the Tellian Atlas, North Africa, and their Usefulness for Seismic Risk Assessment. <i>Pure and Applied Geophysics</i> , 2010, 167, 277-321.	1.9	9
33	Evidence for an underground runoff and soil permeability at the Ouled Fayet (Algiers, Algeria) subsurface landfill pilot project from geophysical investigations. <i>Environmental Earth Sciences</i> , 2010, 59, 1149-1158.	2.7	7
34	Retrofitting and Strengthening Evaluation from Stiffness Variations of a Damaged Building from Ambient Vibration Recordings. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 227-238.	0.2	7
35	Non-Stability and Non-Reproducibility of Ambient Vibration HVSr Peaks in Algiers (Algeria). <i>Journal of Earthquake Engineering</i> , 2021, 25, 853-871.	2.5	6
36	Evidence for a seismic activity mainly constituted of hybrid events at Cayambe volcano, Ecuador. Interpretation in a iced-domes volcano context. <i>Comptes Rendus - Geoscience</i> , 2006, 338, 499-506.	1.2	4

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37	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
38	Meteorological conditions influence on quantification of site effects at low frequency using the seismic ambient noise. , 2015, , .		0