Adrien Oth

List of Publications by Year
in descending order

43 papers	1,383 citations	361296 20 h-index	345118 36 g-index
45 all docs	45 docs citations	45 times ranked	1365 citing authors

#	Article	IF	Citations
1	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343.	6.0	202
2	Spectral Analysis of K-NET and KiK-net Data in Japan, Part II: On Attenuation Characteristics, Source Spectra, and Site Response of Borehole and Surface Stations. Bulletin of the Seismological Society of America, 2011, 101, 667-687.	1.1	158
3	On the characteristics of earthquake stress release variations in Japan. Earth and Planetary Science Letters, 2013, 377-378, 132-141.	1.8	87
4	Earthquake scaling characteristics and the scale‐(in)dependence of seismic energy‐to‐moment ratio: Insights from KiK‐net data in Japan. Geophysical Research Letters, 2010, 37, .	1.5	86
5	Spectral models for ground motion prediction in the L'Aquila region (central Italy): evidence for stress-drop dependence on magnitude and depth. Geophysical Journal International, 2016, 204, 697-718.	1.0	70
6	S-Wave Attenuation Characteristics beneath the Vrancea Region in Romania: New Insights from the Inversion of Ground-Motion Spectra. Bulletin of the Seismological Society of America, 2008, 98, 2482-2497.	1.1	60
7	Source Spectra and Site Response from S Waves of Intermediate-Depth Vrancea, Romania, Earthquakes. Bulletin of the Seismological Society of America, 2009, 99, 235-254.	1.1	55
8	On the relation of earthquake stress drop and ground motion variability. Journal of Geophysical Research: Solid Earth, 2017, 122, 5474-5492.	1.4	55
9	Stress Release and Source Scaling of the 2010–2011 Canterbury, New Zealand Earthquake Sequence from Spectral Inversion of Ground Motion Data. Pure and Applied Geophysics, 2014, 171, 2767-2782.	0.8	42
10	Bed load transport monitoring using seismic observations in a low‐gradient rural gravel bed stream. Geophysical Research Letters, 2015, 42, 2294-2301.	1.5	42
11	Spectral Analysis of K-NET and KiK-net Data in Japan, Part I: Database Compilation and Peculiarities. Bulletin of the Seismological Society of America, 2011, 101, 652-666.	1.1	38
12	Separation of source and site effects by generalized inversion technique using the aftershock recordings of the 2009 L'Aquila earthquake. Bulletin of Earthquake Engineering, 2011, 9, 717-739.	2.3	38
13	An advanced signal processing technique for deriving grain size information of bedload transport from impact plate vibration measurements. Earth Surface Processes and Landforms, 2015, 40, 913-924.	1.2	37
14	Single-Station Sigma for Italian Strong-Motion Stations. Bulletin of the Seismological Society of America, 2014, 104, 467-483.	1.1	31
15	Accurate estimation of seismic source parameters of induced seismicity by a combined approach of generalized inversion and genetic algorithm: Application to The Geysers geothermal area, California. Journal of Geophysical Research: Solid Earth, 2017, 122, 3916-3933.	1.4	31
16	Source parameters of the 2008 Bukavu-Cyangugu earthquake estimated from InSAR and teleseismic data. Geophysical Journal International, 2011, 184, 934-948.	1.0	29
17	Intensity prediction equations for Central Asia. Geophysical Journal International, 2011, 187, 327-337.	1.0	29
18	Source parameters of intermediate-depth Vrancea (Romania) earthquakes from empirical Green's functions modeling. Tectonophysics, 2007, 438, 33-56.	0.9	25

#	Article	IF	Citations
19	KivuSNet: The First Dense Broadband Seismic Network for the Kivu Rift Region (Western Branch of) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	25
20	Evaluation and optimization of seismic networks and algorithms for earthquake early warning â€" the case of Istanbul (Turkey). Journal of Geophysical Research, 2010, 115, .	3.3	22
21	Single-Station Seismo-Acoustic Monitoring of Nyiragongo's Lava Lake Activity (D.R. Congo). Frontiers in Earth Science, 2018, 6, .	0.8	20
22	Toward a Loss-Driven Earthquake Early Warning and Rapid Response System for Kyrgyzstan (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	19
23	Seismicity and outgassing dynamics of Nyiragongo volcano. Earth and Planetary Science Letters, 2019, 528, 115821.	1.8	15
24	Moment and energy magnitudes: diversity of views on earthquake shaking potential and earthquake statistics. Geophysical Journal International, 2019, 216, 1245-1259.	1.0	15
25	Attenuation, source parameters and site effects in the Irpiniaâ€"Basilicata region (southern Apennines,) Tj ETQq1 1 0.784314 rgBT /O	0.6	14
26	Longâ€term monitoring of longâ€period seismicity and spaceâ€based SO_2 observations at African lava lake volcanoes Nyiragongo and Nyamulagira (DR Congo). Geophysical Research Letters, 2017, 44, 6020-6029.	1.5	14
27	Designing efficient earthquake early warning systems: case study of Almaty, Kazakhstan. Journal of Seismology, 2013, 17, 1125-1137.	0.6	13
28	Preface to the special issue â€œTriggered and induced seismicity: probabilities and discriminationâ€•. Journal of Seismology, 2013, 17, 1-4.	0.6	13
29	Intraâ€Crater Eruption Dynamics at Nyiragongo (D.R. Congo), 2002â€"2021. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	13
30	Ground-Motion Attenuation, Stress Drop, and Directivity of Induced Events in the Groningen Gas Field by Spectral Inversion of Borehole Records. Bulletin of the Seismological Society of America, 2020, 110, 2077-2094.	1.1	12
31	GITEC: A Generalized Inversion Technique Benchmark. Bulletin of the Seismological Society of America, 2022, 112, 850-877.	1.1	12
32	Stress Drop Derived from Spectral Analysis Considering the Hypocentral Depth in the Attenuation Model: Application to the Ridgecrest Region, California. Bulletin of the Seismological Society of America, 0, , .	1.1	11
33	Parameterization of a Composite Attenuation Relation for the Dead Sea Area Based on 3-D Modeling of Elastic Wave Propagation. Pure and Applied Geophysics, 2007, 164, 23-37.	0.8	10
34	Structural Health Monitoring Using Wireless Technologies: An Ambient Vibration Test on the Adolphe Bridge, Luxembourg City. Advances in Civil Engineering, 2012, 2012, 1-17.	0.4	10
35	Performance of the GFZ Decentralized Onâ€Site Earthquake Early Warning Software (GFZâ€Sentry): Application to Kâ€NET and KiKâ€Net Recordings, Japan. Seismological Research Letters, 2017, 88, 1480-1490.	0.8	9
36	Attenuation characteristics, source parameters and site effects from inversion of S waves of the March 31, 2006 Silakhor aftershocks. Annals of Geophysics, 2017, 60, .	0.5	6

#	Article	IF	Citations
37	The Use of Spectral Content to Improve Earthquake Early Warning Systems in Central Asia: Case Study of Bishkek, Kyrgyzstan. Bulletin of the Seismological Society of America, 2015, 105, 2764-2773.	1.1	4
38	Non-parametric spectral modelling of source parameters, path attenuation and site effects from broad-band waveforms of the Alborz earthquakes (2005â€"2017). Geophysical Journal International, 2019, 219, 1514-1531.	1.0	4
39	Toward a cross-border early-warning system for Central Asia. Annals of Geophysics, 2015, 58, .	0.5	3
40	Global Monitoring of Volcanic SO2 Degassing Using Sentinel-5 Precursor Tropomi. , 2021, , .		2
41	Reply to â€œComment on â€˜Attenuation, source parameters and site effects in the Irpiniaâ€"Basilicata region (southern Apennines, Italy)â€™™ by I.B. Morozovâ€. Journal of Seismology, 2012, 16, 91-93.	0.6	1
42	Residual analysis of teleseismic P-wave energy magnitude estimates: inter- and intrastation variability. Geophysical Journal International, 2011, 185, 1444-1454.	1.0	0
43	Preface to the Topical Volume Earthquake Source Physics on Various Scales. Pure and Applied Geophysics, 2014, 171, 2533-2536.	0.8	0