

Adrien Oth

List of Publications by Year in descending order

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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	GITEC: A Generalized Inversion Technique Benchmark. Bulletin of the Seismological Society of America, 2022, 112, 850-877.	1.1	12
2	Intra-Crater Eruption Dynamics at Nyiragongo (D.R. Congo), 2002-2021. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	13
3	Global Monitoring of Volcanic SO ₂ Degassing Using Sentinel-5 Precursor Tropomi. , 2021, , .		2
4	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343.	6.0	202
5	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
6	Non-parametric spectral modelling of source parameters, path attenuation and site effects from broad-band waveforms of the Alborz earthquakes (2005-2017). Geophysical Journal International, 2019, 219, 1514-1531.	1.0	4
7	Seismicity and outgassing dynamics of Nyiragongo volcano. Earth and Planetary Science Letters, 2019, 528, 115821.	1.8	15
8	Moment and energy magnitudes: diversity of views on earthquake shaking potential and earthquake statistics. Geophysical Journal International, 2019, 216, 1245-1259.	1.0	15
9	Single-Station Seismo-Acoustic Monitoring of Nyiragongo's Lava Lake Activity (D.R. Congo). Frontiers in Earth Science, 2018, 6, .	0.8	20
10	KivuSNet: The First Dense Broadband Seismic Network for the Kivu Rift Region (Western Branch of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	25
11	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
12	Performance of the GFZ Decentralized On-Site Earthquake Early Warning Software (GFZ-Sentry): Application to KINET and KiNET Recordings, Japan. Seismological Research Letters, 2017, 88, 1480-1490.	0.8	9
13	On the relation of earthquake stress drop and ground motion variability. Journal of Geophysical Research: Solid Earth, 2017, 122, 5474-5492.	1.4	55
14	Long-term monitoring of long-period seismicity and space-based SO ₂ observations at African lava lake volcanoes Nyiragongo and Nyamulagira (DR Congo). Geophysical Research Letters, 2017, 44, 6020-6029.	1.5	14
15	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
16	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
17	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
18	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

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19	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
20	Toward a cross-border early-warning system for Central Asia. Annals of Geophysics, 2015, 58, .	0.5	3
21	Single-Station Sigma for Italian Strong-Motion Stations. Bulletin of the Seismological Society of America, 2014, 104, 467-483.	1.1	31
22	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
23	Preface to the Topical Volume Earthquake Source Physics on Various Scales. Pure and Applied Geophysics, 2014, 171, 2533-2536.	0.8	0
24	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
25	Designing efficient earthquake early warning systems: case study of Almaty, Kazakhstan. Journal of Seismology, 2013, 17, 1125-1137.	0.6	13
26	Preface to the special issue "Triggered and induced seismicity: probabilities and discrimination" Journal of Seismology, 2013, 17, 1-4.	0.6	13
27	On the characteristics of earthquake stress release variations in Japan. Earth and Planetary Science Letters, 2013, 377-378, 132-141.	1.8	87
28	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
29	Reply to "Comment on "Attenuation, source parameters and site effects in the Irpinia-Basilicata region (southern Apennines, Italy)" by I.B. Morozov" Journal of Seismology, 2012, 16, 91-93.	0.6	1
30	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
31	Source parameters of the 2008 Bukavu-Cyangugu earthquake estimated from InSAR and teleseismic data. Geophysical Journal International, 2011, 184, 934-948.	1.0	29
32	Residual analysis of teleseismic P-wave energy magnitude estimates: inter- and intrastation variability. Geophysical Journal International, 2011, 185, 1444-1454.	1.0	0
33	Intensity prediction equations for Central Asia. Geophysical Journal International, 2011, 187, 327-337.	1.0	29
34	Attenuation, source parameters and site effects in the Irpinia-Basilicata region (southern Apennines,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	14
35	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
36	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

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37	Earthquake scaling characteristics and the scaleâ€(in)dependence of seismic energyâ€toâ€moment ratio: Insights from Kikâ€net data in Japan. Geophysical Research Letters, 2010, 37, .	1.5	86
38	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
39	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
40	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
41	Source parameters of intermediate-depth Vrancea (Romania) earthquakes from empirical Green's functions modeling. Tectonophysics, 2007, 438, 33-56.	0.9	25
42	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
43	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