

Zoltan Wäber

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

419
citations

933264

10
h-index

794469

19
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29
all docs

29
docs citations

29
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. <i>Surveys in Geophysics</i> , 2018, 39, 1009-1033.	2.1	138
2	Probabilistic local waveform inversion for moment tensor and hypocentral location. <i>Geophysical Journal International</i> , 2006, 165, 607-621.	1.0	46
3	Seismic traveltime tomography: a simulated annealing approach. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 119, 149-159.	0.7	21
4	Imaging Pn velocities beneath the Pannonian basin. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 129, 283-300.	0.7	21
5	Swiss-AlpArray temporary broadband seismic stations deployment and noise characterization. <i>Advances in Geosciences</i> , 0, 43, 15-29.	12.0	21
6	AlpArray in Hungary: temporary and permanent seismological networks in the transition zone between the Eastern Alps and the Pannonian basin. <i>Acta Geodaetica Et Geophysica</i> , 2018, 53, 221-245.	0.7	20
7	Estimating source time function and moment tensor from moment tensor rate functions by constrained L1 norm minimization. <i>Geophysical Journal International</i> , 2009, 178, 889-900.	1.0	15
8	One-dimensional P-wave velocity model for the territory of Hungary from local earthquake data. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2012, 47, 344-357.	0.4	15
9	Probabilistic waveform inversion for 22 earthquake moment tensors in Hungary: new constraints on the tectonic stress pattern inside the Pannonian basin. <i>Geophysical Journal International</i> , 2016, 204, 236-249.	1.0	15
10	Optimizing model parameterization in 2D linearized seismic traveltime tomography. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 124, 33-43.	0.7	12
11	Source Properties of the 29 January 2011 ML 4.5 Oroszlany (Hungary) Mainshock and Its Aftershocks. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 113-127.	1.1	12
12	Shear wave splitting in the Alpine region. <i>Geophysical Journal International</i> , 2021, 227, 1996-2015.	1.0	12
13	Probabilistic joint inversion of waveforms and polarity data for double-couple focal mechanisms of local earthquakes. <i>Geophysical Journal International</i> , 2018, 213, 1586-1598.	1.0	11
14	Relocation of Seismicity in the Pannonian Basin Using a Global 3D Velocity Model. <i>Seismological Research Letters</i> , 0, , .	0.8	11
15	First report of long term measurements of the MGGL laboratory in the Mátra mountain range. <i>Classical and Quantum Gravity</i> , 2017, 34, 114001.	1.5	10
16	Earthquake source parameters and scaling relationships in Hungary (central Pannonian basin). <i>Journal of Seismology</i> , 2013, 17, 507-521.	0.6	9
17	3D P-wave velocity image beneath the Pannonian Basin using traveltime tomography. <i>Acta Geodaetica Et Geophysica</i> , 2019, 54, 373-386.	0.7	7
18	Probabilistic waveform inversion for focal parameters of local earthquakes. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2005, 40, 229-239.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Source parameters for the 2013â€“2015 earthquake sequence in NÃ¡grÃ¡d county, Hungary. Journal of Seismology, 2016, 20, 987-999.	0.6	5
20	Long term measurements from the MÃ¡tra Gravitational and Geophysical Laboratory. European Physical Journal: Special Topics, 2019, 228, 1693-1743.	1.2	5
21	Seismic noise measures for underground gravitational wave detectors. Acta Geodaetica Et Geophysica, 2019, 54, 301-313.	0.7	2
22	Source analysis of the March 7, 2019 $M_L=4.0$ Somogyszob, Hungary earthquake sequence. Acta Geodaetica Et Geophysica, 2020, 55, 371-387.	0.7	2
23	Some Improvement of the Shortest Path Ray Tracing Algorithm. Modern Approaches in Geophysics, 1995, , 51-56.	0.1	2
24	Research in theoretical seismology. Acta Geodaetica Et Geophysica Hungarica, 2005, 40, 349-360.	0.4	1
25	Hungarian national report on IASPEI 2003â€“2006. Acta Geodaetica Et Geophysica Hungarica, 2007, 42, 253-265.	0.4	0
26	Hungarian national report on IASPEI 2007â€“2010. Acta Geodaetica Et Geophysica Hungarica, 2011, 46, 234-263.	0.4	0