Ch Haberland

List of Publications by Year
in descending order

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59 papers	3,187 citations	172457 29 h-index	155660 55 g-index
63 all docs	63 docs citations	63 times ranked	2742 citing authors

#	Article	IF	Citations
1	Subduction and collision processes in the Central Andes constrained by converted seismic phases. Nature, 2000, 408, 958-961.	27.8	337
2	The Central Andean Altiplano-Puna magma body. Geophysical Research Letters, 1999, 26, 783-786.	4.0	175
3	Complex patterns of fluid and melt transport in the central Andean subduction zone revealed by attenuation tomography. Earth and Planetary Science Letters, 2003, 215, 105-119.	4.4	162
4	Seismic imaging of subducting continental lower crust beneath the Pamir. Earth and Planetary Science Letters, 2013, 375, 101-112.	4.4	158
5	Geometry of the Pamirâ€Hindu Kush intermediateâ€depth earthquake zone from local seismic data. Journal of Geophysical Research: Solid Earth, 2013, 118, 1438-1457.	3.4	156
6	Seismic imaging of a convergent continental margin and plateau in the central Andes (Andean) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	3.3	128
7	First seismic record for intra-arc strike-slip tectonics along the LiquiÃ±e-Ofqui fault zone at the obliquely convergent plate margin of the southern Andes. Tectonophysics, 2008, 455, 14-24.	2.2	124
8	Locking of the Chile subduction zone controlled by fluid pressure before the 2010 earthquake. Nature Geoscience, 2014, 7, 292-296.	12.9	122
9	Attenuation tomography in the western central Andes: A detailed insight into the structure of a magmatic arc. Journal of Geophysical Research, 2001, 106, 11151-11167.	3.3	115
10	The crustal structure of the Dead Sea Transform. Geophysical Journal International, 2004, 156, 655-681.	2.4	107
11	Deep burial of Asian continental crust beneath the Pamir imaged with local earthquake tomography. Earth and Planetary Science Letters, 2013, 384, 165-177.	4.4	91
12	Lake Toba volcano magma chamber imaged by ambient seismic noise tomography. Geophysical Research Letters, 2010, 37, .	4.0	90
13	Precise location of San Andreas Fault tremors near Cholame, California using seismometer clusters: Slip on the deep extension of the fault?. Geophysical Research Letters, 2009, 36, .	4.0	78
14	Title is missing!. Journal of Seismology, 2001, 5, 157-179.	1.3	72
15	Zooming into the Hindu Kush slab break-off: A rare glimpse on the terminal stage of subduction. Earth and Planetary Science Letters, 2017, 461, 127-140.	4.4	71
16	Structure of the seismogenic zone of the southcentral Chilean margin revealed by local earthquake traveltime tomography. Journal of Geophysical Research, 2009, 114, .	3.3	62
17	Aftershock seismicity of the 2010 Maule Mw=8.8, Chile, earthquake: Correlation between coâ€seismic slip models and aftershock distribution?. Geophysical Research Letters, 2012, 39, .	4.0	62
18	Hengill geothermal volcanic complex (Iceland) characterized by integrated geophysical observations. Geothermics, 2011, 40, 1-24.	3.4	61

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19	Interaction between forearc and oceanic plate at the south-central Chilean margin as seen in local seismic data. Geophysical Research Letters, 2006, 33, .	4.0	59
20	The crustal structure beneath the Central Andean forearc and magmatic arc as derived from seismic studies â€" the PISCO 94 experiment in northern Chile (21Â°â€"23Â°S). Journal of South American Earth Sciences, 1999, 12, 237-260.	1.4	58
21	Anatomy of the Dead Sea Transform from lithospheric to microscopic scale. Reviews of Geophysics, 2009, 47, .	23.0	56
22	Seismicity and geometry of the south Chilean subduction zone (41.5Â°Sâ€"43.5Â°S): Implications for controlling parameters. Geophysical Research Letters, 2007, 34, .	4.0	55
23	Seismic Vp and Vp/Vs structure of the geothermal area around Tarutung (North Sumatra, Indonesia) derived from local earthquake tomography. Journal of Volcanology and Geothermal Research, 2013, 260, 27-42.	2.1	51
24	Partial Melting in the Central Andean Crust: a Review of Geophysical, Petrophysical, and Petrologic Evidence. , 2006, , 459-474.		51
25	Modeling of seismic guided waves at the Dead Sea Transform. Journal of Geophysical Research, 2003, 108, .	3.3	47
26	Imaging fluid-related subduction processes beneath Central Java (Indonesia) using seismic attenuation tomography. Tectonophysics, 2013, 590, 175-188.	2.2	40
27	Guided waves propagating in subducted oceanic crust. Journal of Geophysical Research, 2003, 108, .	3.3	39
28	Coincident anomalies of seismic attenuation and electrical resistivity beneath the southern Bolivian Altiplano plateau. Geophysical Research Letters, 2003, 30, .	4.0	37
29	Shallow architecture of the Wadi Araba fault (Dead Sea Transform) from high-resolution seismic investigations. Tectonophysics, 2007, 432, 37-50.	2.2	30
30	Characterizing a large shear-zone with seismic and magnetotelluric methods: The case of the Dead Sea Transform. Geophysical Research Letters, 2005, 32, .	4.0	29
31	Submarine permafrost depth from ambient seismic noise. Geophysical Research Letters, 2015, 42, 7581-7588.	4.0	27
32	The 2010 M_w 8.8 Maule, Chile earthquake: Nucleation and rupture propagation controlled by a subducted topographic high. Geophysical Research Letters, 2012, 39, .	4.0	26
33	Neural network analysis of crosshole tomographic images: The seismic signature of gas hydrate bearing sediments in the Mackenzie Delta (NW Canada). Geophysical Research Letters, 2008, 35, .	4.0	25
34	Microseismicity distribution in the southern Dead Sea basin and its implications on the structure of the basin. Geophysical Journal International, 2012, 188, 873-878.	2.4	24
35	Seismological Studies of the Central and Southern Andes. , 2006, , 443-457.		24
36	Imaging the Dead Sea Transform with scattered seismic waves. Geophysical Journal International, 2004, 158, 179-186.	2.4	22

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37	Simultaneous inversion of shear wave splitting observations from seismic arrays. Journal of Geophysical Research, 2005, 110, .	3.3	22
38	Locating non-volcanic tremor along the San Andreas Fault using a multiple array source imaging technique. Geophysical Journal International, 2010, 183, 1485-1500.	2.4	22
39	Detailed fault structure of the Tarutung Pull-Apart Basin in Sumatra, Indonesia, derived from local earthquake data. Journal of Asian Earth Sciences, 2014, 96, 123-131.	2.3	22
40	Architecture and tectono-stratigraphic evolution of the intramontane Baza Basin (BÃ©tics, SE-Spain): Constraints from seismic imaging. Tectonophysics, 2017, 709, 69-84.	2.2	19
41	Combining satellite and seismic images to analyse the shallow structure of the Dead Sea Transform near the DESERT transect. International Journal of Earth Sciences, 2008, 97, 153-169.	1.8	18
42	Seismotectonic study of the Fergana Region (Southern Kyrgyzstan): distribution and kinematics of local seismicity. Earth, Planets and Space, 2015, 67, .	2.5	17
43	Bayesian inversion of refraction seismic traveltime data. Geophysical Journal International, 2018, 212, 1645-1656.	2.4	17
44	Accretionary nature of the crust of Central and East Java (Indonesia) revealed by local earthquake travel-time tomography. Journal of Asian Earth Sciences, 2014, 96, 287-295.	2.3	16
45	DEPAS (Deutscher GerÃte-Pool fÃ¼r amphibische Seismologie): German Instrument Pool for Amphibian Seismology. Journal of Large-scale Research Facilities JLSRF, 0, 3, A122.	0.0	16
46	Landslides in southern Kyrgyzstan: Understanding tectonic controls. Eos, 2011, 92, 169-170.	0.1	15
47	High-resolution local earthquake tomography of the southern Dead Sea area. Geophysical Journal International, 2012, , no-no.	2.4	13
48	Three-dimensional upper crustal structure of the geothermal system in Tarutung (North Sumatra,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2037-2049.	2.4	13
49	Attenuation tomography in West Bohemia/Vogtland. Tectonophysics, 2017, 695, 64-75.	2.2	12
50	Studying the seismogenic coupling zone with a passive seismic array. Eos, 2005, 86, 293.	0.1	11
51	Detailed seismicity analysis revealing the dynamics of the southern Dead Sea area. Journal of Seismology, 2014, 18, 731-748.	1.3	11
52	Bayesian simultaneous inversion for local earthquake hypocentres and 1-D velocity structure using minimum prior knowledge. Geophysical Journal International, 2019, 218, 840-854.	2.4	10
53	Forearc decoupling of guided waves in the Chile-Peru subduction zone. Geophysical Research Letters, 2005, 32, .	4.0	9
54	Local Earthquake Tomography at Los Humeros Geothermal Field (Mexico). Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020390.	3.4	9

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55	Relocation of earthquakes in the southern and eastern Alps (Austria, Italy) recorded by the dense, temporary SWATH-D network using a Markov chain Monte Carlo inversion. Solid Earth, 2021, 12, 1087-1109.	2.8	9
56	Constraints on Crustal Structure in the Vicinity of the Adriatic Indenter (European Alps) From Vp and Vp/Vs Local Earthquake Tomography. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	6
57	GIPP: Geophysical Instrument Pool Potsdam. Journal of Large-scale Research Facilities JLSRF, 0, 2, A64.	0.0	5
58	Nearâ€surface properties of an active fault derived by joint interpretation of different geophysical methods â€the Arava/Araba Fault in the Middle East. Near Surface Geophysics, 2012, 10, 381-390.	1.2	3
59	A Fast GUI-Based Tool for Group-Velocity Analysis of Surface Waves. Seismological Research Letters, 2021, 92, 2640-2646.	1.9	1