

G Hr Bokelmann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

1,398
citations

20
h-index

36
g-index

60
ext. papers

1,622
ext. citations

3.3
avg, IF

4.71
L-index

#	Paper	IF	Citations
54	Constraints on Olivine Deformation From SKS Shear-Wave Splitting Beneath the Southern Cascadia Subduction Zone Back-Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC010091	3.6	1
53	Shear wave splitting in the Alpine region. <i>Geophysical Journal International</i> , 2021 , 227, 1996-2015	2.6	3
52	Flow plane orientation in the upper mantle under the Western/Central United States from SKS shear-wave splitting observations. <i>Geophysical Journal International</i> , 2020 , 221, 1125-1137	2.6	3
51	Azimuthal anisotropy in the wider Vienna basin region: a proxy for the present-day stress field and deformation. <i>Geophysical Journal International</i> , 2020 , 220, 2056-2067	2.6	2
50	Crustal structures beneath the Eastern and Southern Alps from ambient noise tomography. <i>Solid Earth</i> , 2020 , 11, 1947-1968	3.3	5
49	Surface Wave Diffraction Pattern Recorded on AlpArray: Cameroon Volcanic Line Case Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB019102	3.6	4
48	On the wobbles of phase-velocity dispersion curves. <i>Geophysical Journal International</i> , 2020 , 224, 1477-1504	3.4	2
47	Characteristics of the Ambient Seismic Field on a Large-N Seismic Array in the Vienna Basin. <i>Seismological Research Letters</i> , 2020 , 91, 2803-2816	3	5
46	Rich observations of local and regional infrasound phases made by the AlpArray seismic network after refinery explosion. <i>Scientific Reports</i> , 2019 , 9, 13027	4.9	10
45	Arrival angles of teleseismic fundamental mode Rayleigh waves across the AlpArray. <i>Geophysical Journal International</i> , 2019 , 218, 115-144	2.6	7
44	Probing crustal anisotropy by receiver functions at the deep continental drilling site KTB in Southern Germany. <i>Geophysical Prospecting</i> , 2019 , 67, 2450-2464	1.9	2
43	The Alland earthquake sequence in Eastern Austria: Shedding light on tectonic stress geometry in a key area of seismic hazard. <i>Austrian Journal of Earth Sciences</i> , 2019 , 112, 182-194	0.9	1
42	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. <i>Surveys in Geophysics</i> , 2018 , 39, 1009-1033	7.6	79
41	Imaging the Variscan suture at the KTB deep drilling site, Germany. <i>Geophysical Journal International</i> , 2018 , 213, 2138-2146	2.6	2
40	Equidistant Spectral Lines in Train Vibrations. <i>Seismological Research Letters</i> , 2018 , 89, 56-66	3	23
39	Seismo-acoustic signals of the Baumgarten (Austria) gas explosion detected by the AlpArray seismic network. <i>Earth and Planetary Science Letters</i> , 2018 , 502, 104-114	5.3	16
38	Numerical Modeling of Stalagmite Vibrations. <i>Pure and Applied Geophysics</i> , 2018 , 175, 4501-4514	2.2	9

37	From mountain summits to roots: Crustal structure of the Eastern Alps and Bohemian Massif along longitude 13.3°E. <i>Tectonophysics</i> , 2018 , 744, 239-255	3.1	29
36	Ambient-noise tomography of the wider Vienna Basin region. <i>Geophysical Journal International</i> , 2018 , 215, 102-117	2.6	12
35	Seismic resonances of spherical acoustic cavities. <i>Geophysical Prospecting</i> , 2017 , 65, 1-24	1.9	7
34	Estimating the upper limit of prehistoric peak ground acceleration using an in situ, intact and vulnerable stalagmite from Plavecký priepasť cave (Detrekčianskobyly), Little Carpathians, Slovakia-first results. <i>Journal of Seismology</i> , 2017 , 21, 1111-1130	1.5	17
33	Lateral variation of crustal properties from aerogeophysical data in northern Brazil. <i>Geophysics</i> , 2017 , 82, J39-J60	3.1	
32	Regional Ambient Noise Tomography in the Eastern Alps of Europe. <i>Pure and Applied Geophysics</i> , 2016 , 173, 2813-2840	2.2	12
31	Deformation in the asthenospheric mantle beneath the Carpathian-Pannonian Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 6644-6657	3.6	17
30	Seismic anisotropy of northeastern Algeria from shear-wave splitting analysis. <i>Physics of the Earth and Planetary Interiors</i> , 2015 , 248, 73-82	2.3	4
29	Crustal anisotropy across northern Japan from receiver functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 4998-5012	3.6	14
28	A New Seismic Data Set on the Depth of the Moho in the Alps. <i>Pure and Applied Geophysics</i> , 2015 , 172, 295-308	2.2	8
27	Slab detachment under the Eastern Alps seen by seismic anisotropy. <i>Earth and Planetary Science Letters</i> , 2015 , 409, 96-108	5.3	39
26	Correlated crustal and mantle deformation in the Tauern Window, Eastern Alps. <i>Austrian Journal of Earth Sciences</i> , 2015 , 108, 159-171	0.9	2
25	Seismic signature of the Alpine indentation, evidence from the Eastern Alps. <i>Journal of Geodynamics</i> , 2014 , 82, 69-77	2.2	10
24	Insights on the upper mantle beneath the Eastern Alps. <i>Earth and Planetary Science Letters</i> , 2014 , 403, 199-209	5.3	23
23	Nature of the Vrancea seismic zone (Eastern Carpathians) – New constraints from dispersion of first-arriving P-waves. <i>Earth and Planetary Science Letters</i> , 2014 , 390, 59-68	5.3	26
22	Seismic anisotropy and large-scale deformation of the Eastern Alps. <i>Earth and Planetary Science Letters</i> , 2013 , 383, 1-6	5.3	26
21	Time-lapse analysis of ambient surface wave anisotropy: A three-component array study above an underground gas storage. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 5339-5351	3.6	24
20	Seismic anisotropy in the south western Pacific region from shear wave splitting. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	9

19	Belt-parallel mantle flow beneath a halted continental collision: The Western Alps. <i>Earth and Planetary Science Letters</i> , 2011 , 302, 429-438	5.3	49
18	Testing oceanic subduction and convective removal models for the Gibraltar arc: Seismological constraints from dispersion and anisotropy. <i>Tectonophysics</i> , 2011 , 502, 28-37	3.1	22
17	Evidence for ancient lithospheric deformation in the East European Craton based on mantle seismic anisotropy and crustal magnetics. <i>Tectonophysics</i> , 2010 , 481, 16-28	3.1	20
16	Identifying global seismic anisotropy patterns by correlating shear-wave splitting and surface-wave data. <i>Physics of the Earth and Planetary Interiors</i> , 2009 , 176, 198-212	2.3	114
15	SplitLab: A shear-wave splitting environment in Matlab. <i>Computers and Geosciences</i> , 2008 , 34, 515-528	4.5	205
14	Seismic anisotropy beneath southern Iberia from SKS splitting. <i>Earth and Planetary Science Letters</i> , 2008 , 273, 237-250	5.3	46
13	Upper mantle flow beneath and around the Hangay dome, Central Mongolia. <i>Earth and Planetary Science Letters</i> , 2008 , 274, 221-233	5.3	42
12	Mantle structure under Gibraltar constrained by dispersion of body waves. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	20
11	Upper-mantle flow beneath French Polynesia from shear wave splitting. <i>Geophysical Journal International</i> , 2007 , 170, 1262-1288	2.6	55
10	Null Detection in Shear-Wave Splitting Measurements. <i>Bulletin of the Seismological Society of America</i> , 2007 , 97, 1204-1211	2.3	161
9	Convection-driven motion of the North American craton: Evidence from P-wave anisotropy. <i>Geophysical Journal International</i> , 2002 , 148, 278-287	2.6	35
8	Which forces drive North America?. <i>Geology</i> , 2002 , 30, 1027	5	47
7	Shear-wave splitting to test mantle deformation models around Hawaii. <i>Geophysical Research Letters</i> , 2001 , 28, 4319-4322	4.9	42
6	Spectral analysis with incomplete time series: an example from seismology. <i>Computers and Geosciences</i> , 1999 , 25, 739-750	4.5	50
5	Instrument self-noise and sensor misalignment. <i>Advances in Geosciences</i> , 36, 17-20		5
4	The installation campaign of 9 seismic stations around the KTB site to test anisotropy detection by the Receiver Function Technique. <i>Advances in Geosciences</i> , 41, 11-23		3
3	Site selection for a countrywide temporary network in Austria: noise analysis and preliminary performance. <i>Advances in Geosciences</i> , 41, 25-33		10
2	AlpArray in Austria and Slovakia: technical realization, site description and noise characterization. <i>Advances in Geosciences</i> , 43, 1-13		15

1 The 2013 Earthquake Series in the Southern Vienna Basin: location. *Advances in Geosciences*, 36, 77-80

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