

# Brigitte Knapmeyer-Endrun

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,807  
citations

159585

30  
h-index

175258

52  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1782  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Far Side of Mars: Two Distant Marsquakes Detected by InSight. <i>The Seismic Record</i> , 2022, 2, 88-99.	3.1	29
2	An autonomous lunar geophysical experiment package (ALGEP) for future space missions. <i>Experimental Astronomy</i> , 2022, 54, 617-640.	3.7	2
3	InSight Constraints on the Global Character of the Martian Crust. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	45
4	Autocorrelation of the Ground Vibrations Recorded by the SEISâ€œInSight Seismometer on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006498.	3.6	34
5	German Seismic and Infrasound Networks Contributing to the European Integrated Data Archive (EIDA). <i>Seismological Research Letters</i> , 2021, 92, 1854-1875.	1.9	2
6	First Focal Mechanisms of Marsquakes. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006546.	3.6	43
7	Seismic Noise Autocorrelations on Mars. <i>Earth and Space Science</i> , 2021, 8, e2021EA001755.	2.6	31
8	Thickness and structure of the martian crust from InSight seismic data. <i>Science</i> , 2021, 373, 438-443.	12.6	140
9	Joint Inversion of Receiver Functions and Apparent Incidence Angles for Sparse Seismic Data. <i>Earth and Space Science</i> , 2021, 8, e2021EA001733.	2.6	5
10	Potential Pitfalls in the Analysis and Structural Interpretation of Seismic Data from the Mars <i>InSight</i> Mission. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2982-3002.	2.3	42
11	Improving Constraints on Planetary Interiors With PPs Receiver Functions. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006983.	3.6	34
12	Seasonal seismic activity on Mars. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117171.	4.4	13
13	Resonances of the InSight Seismometer on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2951-2963.	2.3	15
14	Energy Envelope and Attenuation Characteristics of High-Frequency (HF) and Very-High-Frequency (VF) Martian Events. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3016-3034.	2.3	23
15	The shallow structure of Mars at the InSight landing site from inversion of ambient vibrations. <i>Nature Communications</i> , 2021, 12, 6756.	12.8	40
16	Detection, Analysis, and Removal of Glitches From InSight's Seismic Data From Mars. <i>Earth and Space Science</i> , 2020, 7, e2020EA001317.	2.6	75
17	MSS/1: Singleâ€œStation and Singleâ€œEvent Marsquake Inversion. <i>Earth and Space Science</i> , 2020, 7, e2020EA001118.	2.6	16
18	NASAâ€™s InSight mission on Marsâ€™first glimpses of the planetâ€™s interior from seismology. <i>Nature Communications</i> , 2020, 11, 1451.	12.8	8

#	ARTICLE	IF	CITATIONS
19	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	12.9	207
20	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	12.9	194
21	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
22	SEIS: InSight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
23	Estimation of the Seismic Moment Rate from an Incomplete Seismicity Catalog, in the Context of the InSight Mission to Mars. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1125-1147.	2.3	7
24	Crustal thickness from horizontal component seismic noise auto- and cross-correlations for stations in Central and Eastern Europe. <i>Geophysical Journal International</i> , 2019, 218, 429-445.	2.4	5
25	Reply to "Comment on "Crustal thickness across the Trans-European Suture Zone from ambient noise autocorrelations" by G. Becker and B. Knapmeyer-Endrun" by G. Helffrich. <i>Geophysical Journal International</i> , 2019, 217, 1261-1266.	2.4	2
26	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
27	Crustal thickness across the Trans-European Suture Zone from ambient noise autocorrelations. <i>Geophysical Journal International</i> , 2018, 212, 1237-1254.	2.4	32
28	A Numerical Model of the SEIS Leveling System Transfer Matrix and Resonances: Application to SEIS Rotational Seismology and Dynamic Ground Interaction. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	22
29	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	41
30	Flexible Mode Modelling of the InSight Lander and Consequences for the SEIS Instrument. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	16
31	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	77
32	Influence of Body Waves, Instrumentation Resonances, and Prior Assumptions on Rayleigh Wave Ellipticity Inversion for Shallow Structure at the InSight Landing Site. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	10
33	Crustal S-Wave Velocity from Apparent Incidence Angles: A Case Study in Preparation for InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	10
34	A Pre-Landing Assessment of Regolith Properties at the InSight Landing Site. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	58
35	Rayleigh Wave Ellipticity Modeling and Inversion for Shallow Structure at the Proposed InSight Landing Site in Elysium Planitia, Mars. <i>Space Science Reviews</i> , 2017, 211, 339-382.	8.1	31
36	Planned Products of the Mars Structure Service for the InSight Mission to Mars. <i>Space Science Reviews</i> , 2017, 211, 611-650.	8.1	80

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37	Analysis of Regolith Properties Using Seismic Signals Generated by InSight™s HP3 Penetrator. <i>Space Science Reviews</i> , 2017, 211, 315-337.	8.1	31
38	Upper mantle structure across the Trans-European Suture Zone imaged by S-receiver functions. <i>Earth and Planetary Science Letters</i> , 2017, 458, 429-441.	4.4	22
39	Preliminary analysis of newly recovered Apollo 17 seismic data. <i>Results in Physics</i> , 2017, 7, 4457-4458.	4.1	12
40	Identification of new events in Apollo 16 lunar seismic data by Hidden Markov Model-based event detection and classification. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1620-1645.	3.6	16
41	Moho depth across the Trans-European Suture Zone from P- and S-receiver functions. <i>Geophysical Journal International</i> , 2014, 197, 1048-1075.	2.4	33
42	Ground structure imaging by inversions of Rayleigh wave ellipticity: sensitivity analysis and application to European strong-motion sites. <i>Geophysical Journal International</i> , 2013, 192, 207-229.	2.4	94
43	Tracing the influence of the Trans-European Suture Zone into the mantle transition zone. <i>Earth and Planetary Science Letters</i> , 2013, 363, 73-87.	4.4	29
44	Exploring the model space and ranking a best class of models in surface-wave dispersion inversion: Application at European strong-motion sites. <i>Geophysics</i> , 2012, 77, B147-B166.	2.6	56
45	Joint inversion of long-period magnetotelluric data and surface-wave dispersion curves for anisotropic structure: Application to data from Central Germany. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	38
46	Complex layered deformation within the Aegean crust and mantle revealed by seismic anisotropy. <i>Nature Geoscience</i> , 2011, 4, 203-207.	12.9	102
47	Love wave contribution to the ambient vibration H/V amplitude peak observed with array measurements. <i>Journal of Seismology</i> , 2011, 15, 443-472.	1.3	30
48	On the repeatability and consistency of three-component ambient vibration array measurements. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 535-570.	4.1	29
49	Influence of parameterization on inversion of surface wave dispersion curves and definition of an inversion strategy for sites with a strong VS contrast. <i>Geophysics</i> , 2010, 75, B197-B209.	2.6	30
50	From Non-invasive Site Characterization to Site Amplification: Recent Advances in the Use of Ambient Vibration Measurements. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2010, , 105-123.	0.2	33
51	<i>S</i> velocity structure and radial anisotropy in the Aegean region from surface wave dispersion. <i>Geophysical Journal International</i> , 2008, 174, 593-616.	2.4	60
52	Continental vs. oceanic lithosphere beneath the eastern Mediterranean Sea – Implications from Rayleigh wave dispersion measurements. <i>Tectonophysics</i> , 2008, 457, 42-52.	2.2	22
53	A model for the Hellenic subduction zone in the area of Crete based on seismological investigations. <i>Geological Society Special Publication</i> , 2007, 291, 183-199.	1.3	36
54	Comparison of gravimetric and seismic constraints on the structure of the Aegean lithosphere in the forearc of the Hellenic subduction zone in the area of Crete. <i>Journal of Geodynamics</i> , 2007, 44, 173-185.	1.6	27

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55	Modeling the influence of Moho topography on receiver functions: A case study from the central Hellenic subduction zone. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	20
56	CYC-NET: A Temporary Seismic Network on the Cyclades (Aegean Sea, Greece). <i>Seismological Research Letters</i> , 2004, 75, 352-359.	1.9	31
57	Lithospheric structure in the area of Crete constrained by receiver functions and dispersion analysis of Rayleigh phase velocities. <i>Geophysical Journal International</i> , 2004, 158, 592-608.	2.4	48
58	Seismicity of the Hellenic subduction zone in the area of western and central Crete observed by temporary local seismic networks. <i>Tectonophysics</i> , 2004, 383, 149-169.	2.2	89
59	Preparing for InSight: Evaluation of the Blind Test for Martian Seismicity. <i>Seismological Research Letters</i> , 0, , .	1.9	5