

Rudolf Widmer-Schnidrig

List of Publications by Year in descending order

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33
papers

1,511
citations

394421

19
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining Martian Regolith and Vortex Parameters From Combined Seismic and Meteorological Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006410.	3.6	16
2	Challenges and Perspectives for Lowering the Vertical-Component Long-Period Detection Level. <i>Seismological Research Letters</i> , 2021, 92, 2498-2512.	1.9	9
3	Upper mantle structure of Mars from InSight seismic data. <i>Science</i> , 2021, 373, 434-438.	12.6	105
4	Potential Pitfalls in the Analysis and Structural Interpretation of Seismic Data from the Mars InSight Mission. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2982-3002.	2.3	42
5	Anatomy of Continuous Mars SEIS and Pressure Data from Unsupervised Learning. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2964-2981.	2.3	14
6	Improvements in seismic resolution and current limitations in the Global Seismographic Network. <i>Geophysical Journal International</i> , 2020, 220, 508-521.	2.4	25
7	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
8	Geophysical Observations of Phobos Transits by InSight. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089099.	4.0	10
9	Subsurface Structure at the InSight Landing Site From Compliance Measurements by Seismic and Meteorological Experiments. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006387.	3.6	44
10	Pressure Effects on the SEIS in InSight Instrument, Improvement of Seismic Records, and Characterization of Long Period Atmospheric Waves From Ground Displacements. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006278.	3.6	31
11	Gravimeter Search for Compact Dark Matter Objects Moving in the Earth. <i>Physical Review Letters</i> , 2020, 124, 051102.	7.8	10
12	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	12.9	161
13	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
14	Monitoring of Dust Devil Tracks Around the InSight Landing Site, Mars, and Comparison With In Situ Atmospheric Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087234.	4.0	30
15	SEIS: InSight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
16	Atmospheric Science with InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	88
17	High-quality lowest-frequency normal mode strain observations at the Black Forest Observatory (SW-Germany) and comparison with horizontal broad-band seismometer data and synthetics. <i>Geophysical Journal International</i> , 2015, 203, 1786-1803.	2.4	25
18	Theory and Observations: Normal Mode and Surface Wave Observations. , 2015, , 117-167.		18

#	ARTICLE	IF	CITATIONS
19	Performance of an Optical Seismometer from 1 ÅHz to 10 Hz. Bulletin of the Seismological Society of America, 2014, 104, 2422-2429.	2.3	13
20	Signature of 3-D density structure in spectra of the spheroidal free oscillation OS2. Geophysical Journal International, 2013, 192, 285-294.	2.4	25
21	Magnetic field background variations can limit the resolution of seismic broad-band sensors. Geophysical Journal International, 2010, 183, 303-312.	2.4	33
22	Excitation of long-period Rayleigh waves by large storms over the North Atlantic Ocean. Geophysical Journal International, 2010, 183, 330-338.	2.4	5
23	Perspectives for Ring Laser Gyroscopes in Low-Frequency Seismology. Bulletin of the Seismological Society of America, 2009, 99, 1199-1206.	2.3	21
24	The horizontal hum of the Earth: A global background of spheroidal and toroidal modes. Geophysical Research Letters, 2008, 35, .	4.0	49
25	Theory and Observations of Normal Modes and Surface Wave Measurements. , 2007, , 67-125.		7
26	Spatiotemporal features of the Earth's background oscillations observed in central Europe. Geophysical Research Letters, 2006, 33, .	4.0	22
27	An optical fiber infrasound sensor: A new lower limit on atmospheric pressure noise between 1 and 10 Hz. Journal of the Acoustical Society of America, 2003, 113, 2474-2479.	1.1	35
28	What Can Superconducting Gravimeters Contribute to Normal-Mode Seismology?. Bulletin of the Seismological Society of America, 2003, 93, 1370-1380.	2.3	81
29	Application of regionalized multiplet stripping to retrieval of aspherical structure constraints. Geophysical Journal International, 2002, 148, 201-213.	2.4	3
30	Application of regionalized multiplet stripping to retrieval of aspherical structure constraints. Geophysical Journal International, 2002, 148, 201-213.	2.4	13
31	Observation of Coriolis coupled modes below 1 mHz. Geophysical Journal International, 2000, 143, 113-118.	2.4	49
32	Free oscillations illuminate the mantle. Nature, 1999, 398, 292-293.	27.8	2
33	Modeling tilt noise caused by atmospheric processes at long periods for several horizontal seismometers at BFO - a reprise. Geophysical Journal International, 0, , .	2.4	4