

Sharon Kedar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/629555/publications.pdf>

Version: 2024-02-01

42
papers

2,886
citations

236925

25
h-index

315739

38
g-index

43
all docs

43
docs citations

43
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
2	Spatiotemporal filtering using principal component analysis and Karhunen-Loeve expansion approaches for regional GPS network analysis. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	252
3	SEIS: Insight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
4	The origin of deep ocean microseisms in the North Atlantic Ocean. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008, 464, 777-793.	2.1	232
5	Waveform inversion of very long period impulsive signals associated with magmatic injection beneath Kilauea volcano, Hawaii. <i>Journal of Geophysical Research</i> , 1998, 103, 23839-23862.	3.3	213
6	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
7	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	12.9	194
8	The effect of the second order GPS ionospheric correction on receiver positions. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	192
9	The Marsquake catalogue from InSight, sols 0-478. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106595.	1.9	97
10	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
11	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	77
12	Global oceanic microseism sources as seen by seismic arrays and predicted by wave action models. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	76
13	Bubble collapse as the source of tremor at Old Faithful Geyser. <i>Journal of Geophysical Research</i> , 1998, 103, 24283-24299.	3.3	65
14	Companion guide to the marsquake catalog from InSight, Sols 0-478: Data content and non-seismic events. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106597.	1.9	64
15	A Pre-Landing Assessment of Regolith Properties at the InSight Landing Site. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	58
16	Modeling of Ground Deformation and Shallow Surface Waves Generated by Martian Dust Devils and Perspectives for Near-Surface Structure Inversion. <i>Space Science Reviews</i> , 2017, 211, 501-524.	8.1	49
17	Impact-Seismic Investigations of the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	48
18	An Investigation of the Mechanical Properties of Some Martian Regolith Simulants with Respect to the Surface Properties at the InSight Mission Landing Site. <i>Space Science Reviews</i> , 2017, 211, 191-213.	8.1	42

#	ARTICLE	IF	CITATIONS
19	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
20	OCEAN SCIENCE: Enhanced: The Ocean's Seismic Hum. <i>Science</i> , 2005, 307, 682-683.	12.6	40
21	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
22	Expected Seismicity and the Seismic Noise Environment of Europa. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 163-179.	3.6	38
23	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
24	Vital Signs: Seismology of Icy Ocean Worlds. <i>Astrobiology</i> , 2018, 18, 37-53.	3.0	31
25	Resonances and Lander Modes Observed by InSight on Mars (1-9 Hz). <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2924-2950.	2.3	30
26	On-Deck Seismology: Lessons from InSight for Future Planetary Seismology. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006353.	3.6	25
27	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
28	Source distribution of ocean microseisms and implications for time-dependent noise tomography. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 548-557.	1.2	21
29	Analyzing Low Frequency Seismic Events at Cerberus Fossae as Long Period Volcanic Quakes. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006518.	3.6	19
30	Resonances of the InSight Seismometer on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2951-2963.	2.3	15
31	Limitations of strain estimation techniques from discrete deformation observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	10
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	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
34	Seismic response of the Mars Curiosity Rover: Implications for future planetary seismology. <i>Icarus</i> , 2019, 317, 373-378.	2.5	9
35	Standing on Apollo's Shoulders: A Microseismometer for the Moon. <i>Planetary Science Journal</i> , 2021, 2, 36.	3.6	9
36	Lagrangian-based Simulations of Hypervelocity Impact Experiments on Mars Regolith Proxy. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087393.	4.0	7

#	ARTICLE	IF	CITATIONS
37	The Site Tilt and Lander Transfer Function from the Short-Period Seismometer of InSight on Mars. Bulletin of the Seismological Society of America, 2021, 111, 2889-2908.	2.3	7
38	A Reconstruction Algorithm for Temporally Aliased Seismic Signals Recorded by the InSight Mars Lander. Earth and Space Science, 2021, 8, e2020EA001234.	2.6	6
39	The scientific rationale for deployment of a long-lived geophysical network on the Moon. , 2021, 53, .		4
40	Sparse Reconstruction of Aliased Seismic Signals Recorded During the InSight Mars Mission. , 2019, , .		1
41	Introduction to the Special Issue on Mars Seismology. Bulletin of the Seismological Society of America, 2021, 111, 2883-2888.	2.3	1
42	Seismic exploration on the Moon, Mars and beyond. , 2020, , .		0