

# MÃ©lanie Drilleau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/299412/publications.pdf>

Version: 2024-02-01

14  
papers

600  
citations

840776

11  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic detection of the martian core. <i>Science</i> , 2021, 373, 443-448.	12.6	169
2	Upper mantle structure of Mars from InSight seismic data. <i>Science</i> , 2021, 373, 434-438.	12.6	105
3	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
4	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
5	Preparing for InSight: An Invitation to Participate in a Blind Test for Martian Seismicity. <i>Seismological Research Letters</i> , 2017, 88, 1290-1302.	1.9	37
6	The Polarization of Ambient Noise on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006545.	3.6	33
7	Seismic Noise Autocorrelations on Mars. <i>Earth and Space Science</i> , 2021, 8, e2021EA001755.	2.6	31
8	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
9	Geometry and Segmentation of Cerberus Fossae, Mars: Implications for Marsquake Properties. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	20
10	Seismic sources of InSight marsquakes and seismotectonic context of Elysium Planitia, Mars. <i>Tectonophysics</i> , 2022, 837, 229434.	2.2	18
11	MSS/1: Single-Station and Single-Event Marsquake Inversion. <i>Earth and Space Science</i> , 2020, 7, e2020EA001118.	2.6	16
12	Bayesian inversion of the Martian structure using geodynamic constraints. <i>Geophysical Journal International</i> , 2021, 226, 1615-1644.	2.4	12
13	The influence of gravity on granular impacts. <i>Astronomy and Astrophysics</i> , 2022, 658, A118.	5.1	5
14	Measuring Fundamental and Higher Mode Surface Wave Dispersion on Mars From Seismic Waveforms. <i>Earth and Space Science</i> , 2021, 8, e2020EA001263.	2.6	0