

# Anna Mittelholz

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,149  
citations

623734

14  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1082  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Orthogonal Component Analysis of Daily Magnetic Variations at the Martian Surface: InSight Observations. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	5
2	Investigation of magnetic field signals during vortex-induced pressure drops at InSight. <i>Planetary and Space Science</i> , 2022, 217, 105487.	1.7	3
3	An autonomous lunar geophysical experiment package (ALGEP) for future space missions. <i>Experimental Astronomy</i> , 2022, 54, 617-640.	3.7	2
4	InSight Constraints on the Global Character of the Martian Crust. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	45
5	The Martian Crustal Magnetic Field. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	9
6	Mars Science Helicopter: Compelling Science Enabled by an Aerial Platform. , 2021, 53, .		6
7	Marsâ€™ Ancient Dynamo and Crustal Remanent Magnetism. , 2021, 53, .		2
8	Critical knowledge gaps in the Martian geological record: A rationale for regional-scale in situ exploration by rotorcraft mid-air deployment. , 2021, 53, .		3
9	Paleointensity and Rock Magnetism of Martian Nakhlite Meteorite Miller Range 03346: Evidence for Intense Smallâ€Scale Crustal Magnetization on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006856.	3.6	8
10	Vortexâ€Dominated Aeolian Activity at InSight's Landing Site, Part 1: Multiâ€Instrument Observations, Analysis, and Implications. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006757.	3.6	23
11	Thickness and structure of the martian crust from InSight seismic data. <i>Science</i> , 2021, 373, 438-443.	12.6	140
12	The Global Conductivity Structure of the Lunar Upper and Midmantle. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	3.6	6
13	Space Weather Observations With InSight. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095432.	4.0	5
14	Geophysical Observations of Phobos Transits by InSight. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089099.	4.0	10
15	The Origin of Observed Magnetic Variability for a Sol on Mars From InSight. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006505.	3.6	15
16	Timing of the martian dynamo: New constraints for a core field 4.5 and 3.7 Ga ago. <i>Science Advances</i> , 2020, 6, eaba0513.	10.3	62
17	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	12.9	161
18	Crustal and time-varying magnetic fields at the InSight landing site on Mars. <i>Nature Geoscience</i> , 2020, 13, 199-204.	12.9	68

#	ARTICLE	IF	CITATIONS
19	Dependence of the Interplanetary Magnetic Field on Heliocentric Distance at 0.3–1.7 AU: A Six-Spacecraft Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027139.	2.4	4
20	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
21	The CanMars Mars Sample Return analogue mission. <i>Planetary and Space Science</i> , 2019, 166, 110-130.	1.7	25
22	Modeling Wind-Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. <i>Geophysical Research Letters</i> , 2019, 46, 5083-5091.	4.0	20
23	CanMars mission Science Team operational results: Implications for operations and the sample selection process for Mars Sample Return (MSR). <i>Planetary and Space Science</i> , 2019, 172, 43-56.	1.7	12
24	InSight Auxiliary Payload Sensor Suite (APSS). <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	104
25	Pre-mission InSights on the Interior of Mars. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	85
26	The Mars 2020 Candidate Landing Sites: A Magnetic Field Perspective. <i>Earth and Space Science</i> , 2018, 5, 410-424.	2.6	12
27	A New Magnetic Field Activity Proxy for Mars From MAVEN Data. <i>Geophysical Research Letters</i> , 2018, 45, 5899-5907.	4.0	20
28	Global-scale external magnetic fields at Mars measured at satellite altitude. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1243-1257.	3.6	18