

Troy Hudson

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

561
citations

1040056

9
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

591
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	The Heat Flow and Physical Properties Package (HP3) for the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	105
3	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
4	The InSight-HP3 mole on Mars: Lessons learned from attempts to penetrate to depth in the Martian soil. <i>Advances in Space Research</i> , 2022, 69, 3140-3163.	2.6	24
5	Thermal Conductivity of the Martian Soil at the InSight Landing Site From HP ³ Active Heating Experiments. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006861.	3.6	23
6	Calibration of the HP ³ Radiometer on InSight. <i>Earth and Space Science</i> , 2020, 7, e2020EA001086.	2.6	19
7	Design details of the HP3 mole onboard the InSight mission. <i>Acta Astronautica</i> , 2019, 164, 152-167.	3.2	17
8	Near Surface Properties of Martian Regolith Derived From InSight HP ³ RAD Temperature Observations During Phobos Transits. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093542.	4.0	13
9	Penetration and performance testing of the HP ³ Mole for the InSight Mars mission. <i>Planetary and Space Science</i> , 2020, 181, 104780.	1.7	12
10	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
11	Experimental Investigation of InSight HP3 Mole Interaction with Martian Regolith Simulant. <i>Space Science Reviews</i> , 2017, 211, 239-258.	8.1	8
12	Calibration of the Heat Flow and Physical Properties Package (HP) for the InSight Mars Mission. <i>Earth and Space Science</i> , 2019, 6, 2556-2574.	2.6	8
13	A Reconstruction Algorithm for Temporally Aliased Seismic Signals Recorded by the InSight Mars Lander. <i>Earth and Space Science</i> , 2021, 8, e2020EA001234.	2.6	6
14	Structure development of the HP3 instrument Support System for the Mars mission InSight. <i>Acta Astronautica</i> , 2019, 164, 9-22.	3.2	4
15	Design and Verification of the Feet Design used for the "Heat Flow Property Package Instrument" (HP3) on-board the Mars Mission InSight. <i>Advances in Space Research</i> , 2020, 65, 2290-2302.	2.6	2