Troy Hudson

List of Publications by Year
in descending order

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	The InSight-HP3 mole on Mars: Lessons learned from attempts to penetrate to depth in the Martian soil. Advances in Space Research, 2022, 69, 3140-3163.	2.6	24
2	Thermal Conductivity of the Martian Soil at the InSight Landing Site From HP³ Active Heating Experiments. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006861.	3.6	23
3	Near Surface Properties of Martian Regolith Derived From InSight HP³â€RAD Temperature Observations During Phobos Transits. Geophysical Research Letters, 2021, 48, e2021GL093542.	4.0	13
4	A Reconstruction Algorithm for Temporally Aliased Seismic Signals Recorded by the InSight Mars Lander. Earth and Space Science, 2021, 8, e2020EA001234.	2.6	6
5	Penetration and performance testing of the HPÂ³ Mole for the InSight Mars mission. Planetary and Space Science, 2020, 181, 104780.	1.7	12
6	Design and Verification of the Feet Design used for the â€œHeat Flow Property Package Instrumentâ€•(HP3) on-board the Mars Mission InSight. Advances in Space Research, 2020, 65, 2290-2302.	2.6	2
7	Calibration of the HP³ Radiometer on InSight. Earth and Space Science, 2020, 7, e2020EA001086.	2.6	19
8	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	12.9	274
9	Structure development of the HP3 instrument Support System for the Mars mission InSight. Acta Astronautica, 2019, 164, 9-22.	3.2	4
10	Design details of the HP3 mole onboard the InSight mission. Acta Astronautica, 2019, 164, 152-167.	3.2	17
11	Calibration of the Heat Flow and Physical Properties Package (HP) for the InSight Mars Mission. Earth and Space Science, 2019, 6, 2556-2574.	2.6	8
12	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
13	The Heat Flow and Physical Properties Package (HP3) for the InSight Mission. Space Science Reviews, 2018, 214, 1.	8.1	105
14	Experimental Investigation of InSight HP3 Mole Interaction with Martian Regolith Simulant. Space Science Reviews, 2017, 211, 239-258.	8.1	8
15	Analysis of Regolith Properties Using Seismic Signals Generated by InSightâ€™s HP3 Penetrator. Space Science Reviews, 2017, 211, 315-337.	8.1	31