

Stephen E Wood

List of Publications by Year in descending order

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17
papers

1,582
citations

567281

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h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Measurements of Water Content for Sub-Surface Planetary Applications Using Near-Infrared Internal Reflection Spectroscopy (IRS) with a Multimode Optical Fiber. Applied Spectroscopy, 2020, 74, 160-167.	2.2	0
2	A mechanistic model for the thermal conductivity of planetary regolith: 1. The effects of particle shape, composition, cohesion, and compression at depth. Icarus, 2020, 352, 113964.	2.5	25
3	Stratigraphy and evolution of the buried CO ₂ deposit in the Martian south polar cap. Geophysical Research Letters, 2016, 43, 4172-4179.	4.0	71
4	Hemispheric asymmetry in martian seasonal surface water ice from MGS TES. Icarus, 2015, 260, 396-408.	2.5	15
5	Topographic, spectral and thermal inertia analysis of interior layered deposits in Iani Chaos, Mars. Icarus, 2012, 221, 20-42.	2.5	40
6	Initial results from the thermal and electrical conductivity probe (TECP) on Phoenix. Journal of Geophysical Research, 2010, 115, .	3.3	117
7	Mars Water-Ice Clouds and Precipitation. Science, 2009, 325, 68-70.	12.6	173
8	Thermal and Electrical Conductivity Probe (TECP) for Phoenix. Journal of Geophysical Research, 2009, 114, .	3.3	61
9	Martian hydrogeology sustained by thermally insulating gas and salt hydrates. Geology, 2007, 35, 975.	4.4	52
10	Light-toned layered deposits in Juventae Chasma, Mars. Icarus, 2006, 181, 26-51.	2.5	82
11	Instrument for studies of homogeneous and heterogeneous ice nucleation in free-falling supercooled water droplets. Review of Scientific Instruments, 2002, 73, 3988-3996.	1.3	77
12	New model for the vapor growth of hexagonal ice crystals in the atmosphere. Journal of Geophysical Research, 2001, 106, 4845-4870.	3.3	52
13	The State and Future of Mars Polar Science and Exploration. Icarus, 2000, 144, 210-242.	2.5	109
14	Near-Surface Temperatures on Mercury and the Moon and the Stability of Polar Ice Deposits. Icarus, 1999, 141, 179-193.	2.5	480
15	The Thermal Stability of Water Ice at the Poles of Mercury. Science, 1992, 258, 643-646.	12.6	126
16	Modeling the Martian seasonal CO ₂ cycle 1. Fitting the Viking Lander pressure curves. Icarus, 1992, 99, 1-14.	2.5	61
17	Modeling the Martian seasonal CO ₂ cycle 2. Interannual variability. Icarus, 1992, 99, 15-27.	2.5	41