

# Stephen E Wood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6859986/publications.pdf>

Version: 2024-02-01

17  
papers

1,582  
citations

567281

15  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1572  
citing authors

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