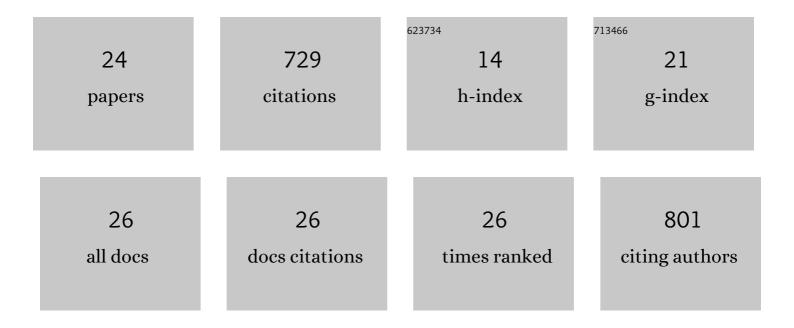
Gareth A Morgan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Selection of the InSight Landing Site. Space Science Reviews, 2017, 211, 5-95.	8.1	150
2	Lineated valley fill (LVF) and lobate debris aprons (LDA) in the Deuteronilus Mensae northern dichotomy boundary region, Mars: Constraints on the extent, age and episodicity of Amazonian glacial events. Icarus, 2009, 202, 22-38.	2.5	92
3	Availability of subsurface water-ice resources in the northern mid-latitudes of Mars. Nature Astronomy, 2021, 5, 230-236.	10.1	53
4	Roughness and nearâ€surface density of Mars from SHARAD radar echoes. Journal of Geophysical Research E: Planets, 2013, 118, 436-450.	3.6	49
5	Sinton crater, Mars: Evidence for impact into a plateau icefield and melting to produce valley networks at the Hesperian–Amazonian boundary. Icarus, 2009, 202, 39-59.	2.5	43
6	Gully formation on Mars: Two recent phases of formation suggested by links between morphology, slope orientation and insolation history. Icarus, 2010, 208, 658-666.	2.5	43
7	Fine‣cale Layering of Mars Polar Deposits and Signatures of Ice Content in Nonpolar Material From Multiband SHARAD Data Processing. Geophysical Research Letters, 2018, 45, 1759-1766.	4.0	39
8	Improved discrimination of volcanic complexes, tectonic features, and regolith properties in Mare Serenitatis from Earth-based radar mapping. Journal of Geophysical Research E: Planets, 2014, 119, 313-330.	3.6	38
9	Evidence for the episodic erosion of the Medusae Fossae Formation preserved within the youngest volcanic province on Mars. Geophysical Research Letters, 2015, 42, 7336-7342.	4.0	34
10	Widespread Exposures of Extensive Clean Shallow Ice in the Midlatitudes of Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006617.	3.6	29
11	Pyroclastic flow deposits on Venus as indicators of renewed magmatic activity. Journal of Geophysical Research E: Planets, 2017, 122, 1580-1596.	3.6	28
12	Preservation of Late Amazonian Mars ice and water-related deposits in a unique crater environment in Noachis Terra: Age relationships between lobate debris tongues and gullies. Icarus, 2011, 211, 347-365.	2.5	21
13	Evidence for crater ejecta on Venus tessera terrain from Earth-based radar images. Icarus, 2015, 250, 123-130.	2.5	21
14	Calibration of Mars Reconnaissance Orbiter Shallow Radar (SHARAD) data for subsurface probing and surface reflectivity studies. Icarus, 2021, 360, 114358.	2.5	18
15	Dielectric Properties of the Medusae Fossae Formation and Implications for Ice Content. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006601.	3.6	15
16	A subsurface depocenter in the South Polar Layered Deposits of Mars. Geophysical Research Letters, 2017, 44, 8188-8195.	4.0	14
17	Mission Architecture Using the SpaceX Starship Vehicle to Enable a Sustained Human Presence on Mars. New Space, 2022, 10, 259-273.	0.8	14
18	Radar sounder evidence of thick, porous sediments in Meridiani Planum and implications for iceâ€filled deposits on Mars. Geophysical Research Letters. 2017. 44. 9208-9215	4.0	12

GARETH A MORGAN

#	Article	IF	CITATIONS
19	New Insights Into Subsurface Stratigraphy Northwest of Ascraeus Mons, Mars, Using the SHARAD and MARSIS Radar Sounders. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	8
20	Evidence for impact melt sheets in lunar highland smooth plains and implications for polar landing sites. Icarus, 2018, 314, 294-298.	2.5	3
21	Mid-Latitude Ice on Mars: A Science Target for Planetary Climate Histories and an Exploration Target for In Situ Resources. , 2021, 53, .		2
22	The Mars Orbiter for Resources, Ices, and Environments (MORIE) Science Goals and Instrument Trades in Radar, Imaging, and Spectroscopy. Planetary Science Journal, 2021, 2, 76.	3.6	2
23	Developing Active Source Seismology for Planetary Science. , 2021, 53, .		1
24	White Paper Summary of the Final Report from the Ice and Climate Evolution Science Analysis group (ICE-SAG). , 2021, 53, .		0