

# J N Maki

## List of Publications by Year in descending order

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56  
papers

5,692  
citations

136885

32  
h-index

189801

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3281  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
2	Mars Science Laboratory Mission and Science Investigation. <i>Space Science Reviews</i> , 2012, 170, 5-56.	3.7	650
3	Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.	6.0	326
4	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	5.4	274
5	Mars Exploration Rover Athena Panoramic Camera (Pancam) investigation. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	247
6	Results from the Mars Pathfinder Camera. <i>Science</i> , 1997, 278, 1758-1765.	6.0	242
7	Mars 2020 Mission Overview. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	239
8	SEIS: Insight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	3.7	238
9	Curiosity's Mars Hand Lens Imager (MAHLI) Investigation. <i>Space Science Reviews</i> , 2012, 170, 259-317.	3.7	185
10	Mars Exploration Rover Engineering Cameras. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	178
11	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	5.4	161
12	Pancam Multispectral Imaging Results from the Spirit Rover at Gusev Crater. <i>Science</i> , 2004, 305, 800-806.	6.0	153
13	Gusev crater: Wind-related features and processes observed by the Mars Exploration Rover Spirit. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	140
14	Textures of the Soils and Rocks at Gusev Crater from Spirit's Microscopic Imager. <i>Science</i> , 2004, 305, 824-826.	6.0	130
15	Athena Microscopic Imager investigation. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	129
16	Overview of the Mars Pathfinder Mission: Launch through landing, surface operations, data sets, and science results. <i>Journal of Geophysical Research</i> , 1999, 104, 8523-8553.	3.3	121
17	The Mars Science Laboratory Engineering Cameras. <i>Space Science Reviews</i> , 2012, 170, 77-93.	3.7	119
18	The Mars Science Laboratory (MSL) Mast cameras and Descent imager: Investigation and instrument descriptions. <i>Earth and Space Science</i> , 2017, 4, 506-539.	1.1	117

#	ARTICLE	IF	CITATIONS
19	The Mars Science Laboratory <i>Curiosity</i> rover Mastcam instruments: Preflight and in-flight calibration, validation, and data archiving. <i>Earth and Space Science</i> , 2017, 4, 396-452.	1.1	113
20	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	5.8	107
21	The ChemCam Remote Micro-Imager at Gale crater: Review of the first year of operations on Mars. <i>Icarus</i> , 2015, 249, 93-107.	1.1	95
22	The Mars 2020 Engineering Cameras and Microphone on the Perseverance Rover: A Next-Generation Imaging System for Mars Exploration. <i>Space Science Reviews</i> , 2020, 216, 137.	3.7	79
23	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	77
24	The Mars 2020 Perseverance Rover Mast Camera Zoom (Mastcam-Z) Multispectral, Stereoscopic Imaging Investigation. <i>Space Science Reviews</i> , 2021, 217, 24.	3.7	76
25	Imager for Mars Pathfinder (IMP) image calibration. <i>Journal of Geophysical Research</i> , 1999, 104, 8907-8925.	3.3	75
26	Overview of the Microscopic Imager Investigation during Spirit's first 450 sols in Gusev crater. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	64
27	The Color Cameras on the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	50
28	Impact-Seismic Investigations of the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	48
29	InSight Mars Lander Robotics Instrument Deployment System. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	48
30	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. <i>Science Advances</i> , 2022, 8, .	4.7	47
31	Gone with the wind: Eolian erasure of the Mars Rover tracks. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
32	Surface processes recorded by rocks and soils on Meridiani Planum, Mars: Microscopic Imager observations during Opportunity's first three extended missions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
33	Mars Exploration Rover Geologic traverse by the Spirit rover in the Plains of Gusev Crater, Mars. <i>Geology</i> , 2005, 33, 809.	2.0	35
34	Location and Setting of the Mars InSight Lander, Instruments, and Landing Site. <i>Earth and Space Science</i> , 2020, 7, e2020EA001248.	1.1	34
35	The color of Mars: Spectrophotometric measurements at the Pathfinder landing site. <i>Journal of Geophysical Research</i> , 1999, 104, 8781-8794.	3.3	31
36	Pre-Flight Calibration of the Mars 2020 Rover Mastcam Zoom (Mastcam-Z) Multispectral, Stereoscopic Imager. <i>Space Science Reviews</i> , 2021, 217, 29.	3.7	31

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37	In situ recording of Mars soundscape. <i>Nature</i> , 2022, 605, 653-658.	13.7	30
38	Radiometric Calibration Targets for the Mastcam-Z Camera on the Mars 2020 Rover Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	27
39	Scientific Observations With the InSight Solar Arrays: Dust, Clouds, and Eclipses on Mars. <i>Earth and Space Science</i> , 2020, 7, e2019EA000992.	1.1	24
40	Vortex-Dominated Aeolian Activity at InSight's Landing Site, Part 1: Multi-Instrument Observations, Analysis, and Implications. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006757.	1.5	23
41	Mars Science Laboratory Mission and Science Investigation. , 2012, , 5-56.		23
42	Image and Data Processing for InSight Lander Operations and Science. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	22
43	Soil Thermophysical Properties Near the InSight Lander Derived From 50 Sols of Radiometer Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006859.	1.5	22
44	Distribution of primary and secondary features in the Pahrump Hills outcrop (Gale crater, Mars) as seen in a Mars Descent Imager (MARDI) -sidewalk-mosaic. <i>Icarus</i> , 2019, 328, 194-209.	1.1	19
45	First Mars year of observations with the InSight solar arrays: Winds, dust devil shadows, and dust accumulation. <i>Icarus</i> , 2021, 364, 114468.	1.1	15
46	Near Surface Properties of Martian Regolith Derived From InSight HP <sup>3</sup> -RAD Temperature Observations During Phobos Transits. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093542.	1.5	13
47	The Mars Science Laboratory Remote Sensing Mast. , 2016, , .		10
48	Comparison of InSight Homestead Hollow to Hollows at the Spirit Landing Site. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006435.	1.5	10
49	The Mars Science Laboratory Engineering Cameras. , 2012, , 77-93.		6
50	SURFACE ALTERATION FROM LANDING INSIGHT ON MARS AND ITS IMPLICATIONS FOR SHALLOW REGOLITH STRUCTURE. , 2019, , .		5
51	Overview of Spirit Microscopic Imager Results. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 528-584.	1.5	4
52	Finding SEIS North on Mars: Comparisons Between SEIS Sundial, Inertial and Imaging Measurements and Consequences for Seismic Analysis. <i>Earth and Space Science</i> , 2021, 8, e2020EA001286.	1.1	3
53	Color Properties at the Mars InSight Landing Site. <i>Earth and Space Science</i> , 2021, 8, e2020EA001336.	1.1	3
54	Determining True North on Mars by Using a Sundial on InSight. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	2

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55	Curiosity's Mars Hand Lens Imager (MAHLI) Investigation. , 2012, , 259-317.		0
56	Optical design of the Mastcam-Z lenses. , 2021, , .		0