

# J N Maki

## List of Publications by Year in descending order

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Version: 2024-02-01

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	In situ recording of Mars soundscape. <i>Nature</i> , 2022, 605, 653-658.	13.7	30
2	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. <i>Science Advances</i> , 2022, 8, .	4.7	47
3	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
4	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
5	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
6	Color Properties at the Mars InSight Landing Site. <i>Earth and Space Science</i> , 2021, 8, e2020EA001336.	1.1	3
7	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
8	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
9	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
10	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
11	Optical design of the Mastcam-Z lenses. , 2021, , .		0
12	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
13	Mars 2020 Mission Overview. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	239
14	Location and Setting of the Mars InSight Lander, Instruments, and Landing Site. <i>Earth and Space Science</i> , 2020, 7, e2020EA001248.	1.1	34
15	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
16	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
17	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
18	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	5.8	107

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19	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	5.4	161
20	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	5.4	274
21	SEIS: InSight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	3.7	238
22	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
23	Overview of Spirit Microscopic Imager Results. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 528-584.	1.5	4
24	Image and Data Processing for InSight Lander Operations and Science. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	22
25	Determining True North on Mars by Using a Sundial on InSight. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	2
26	SURFACE ALTERATION FROM LANDING INSIGHT ON MARS AND ITS IMPLICATIONS FOR SHALLOW REGOLITH STRUCTURE. , 2019, , .		5
27	Impact-Seismic Investigations of the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	48
28	The Color Cameras on the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	50
29	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	77
30	InSight Mars Lander Robotics Instrument Deployment System. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	48
31	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
32	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
33	The Mars Science Laboratory Remote Sensing Mast. , 2016, , .		10
34	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
35	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
36	Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.	6.0	326

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37	The Mars Science Laboratory Engineering Cameras. Space Science Reviews, 2012, 170, 77-93.	3.7	119
38	Mars Science Laboratory Mission and Science Investigation. Space Science Reviews, 2012, 170, 5-56.	3.7	650
39	Curiosity's Mars Hand Lens Imager (MAHLI) Investigation. Space Science Reviews, 2012, 170, 259-317.	3.7	185
40	Mars Science Laboratory Mission and Science Investigation. , 2012, , 5-56.		23
41	The Mars Science Laboratory Engineering Cameras. , 2012, , 77-93.		6
42	Curiosity's Mars Hand Lens Imager (MAHLI) Investigation. , 2012, , 259-317.		0
43	Gone with the wind: Eolian erasure of the Mars Rover tracks. Journal of Geophysical Research, 2010, 115, .	3.3	40
44	Surface processes recorded by rocks and soils on Meridiani Planum, Mars: Microscopic Imager observations during Opportunity's first three extended missions. Journal of Geophysical Research, 2008, 113, .	3.3	39
45	Gusev crater: Wind-related features and processes observed by the Mars Exploration Rover Spirit. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	140
46	Overview of the Microscopic Imager Investigation during Spirit's first 450 sols in Gusev crater. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	64
47	Mars Exploration Rover Geologic traverse by the Spirit rover in the Plains of Gusev Crater, Mars. Geology, 2005, 33, 809.	2.0	35
48	Textures of the Soils and Rocks at Gusev Crater from Spirit's Microscopic Imager. Science, 2004, 305, 824-826.	6.0	130
49	Pancam Multispectral Imaging Results from the Spirit Rover at Gusev Crater. Science, 2004, 305, 800-806.	6.0	153
50	Mars Exploration Rover Athena Panoramic Camera (Pancam) investigation. Journal of Geophysical Research, 2003, 108, .	3.3	247
51	Athena Microscopic Imager investigation. Journal of Geophysical Research, 2003, 108, .	3.3	129
52	Mars Exploration Rover Engineering Cameras. Journal of Geophysical Research, 2003, 108, .	3.3	178
53	Imager for Mars Pathfinder (IMP) image calibration. Journal of Geophysical Research, 1999, 104, 8907-8925.	3.3	75
54	The color of Mars: Spectrophotometric measurements at the Pathfinder landing site. Journal of Geophysical Research, 1999, 104, 8781-8794.	3.3	31

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55	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
56	Results from the Mars Pathfinder Camera. <i>Science</i> , 1997, 278, 1758-1765.	6.0	242