R L Kirk

List of Publications by Year
in descending order

38 papers	5,764 citations	236833 25 h-index	395590 33 g-index
41 all docs	41 docs citations	41 times ranked	2882 citing authors

#	Article	IF	Citations
1	Revealing Active Mars with HiRISE Digital Terrain Models. Remote Sensing, 2022, 14, 2403.	1.8	11
2	Evaluating Stereo Digital Terrain Model Quality at Mars Rover Landing Sites with HRSC, CTX, and HiRISE Images. Remote Sensing, 2021, 13, 3511.	1.8	14
3	How Well Do We Know Europaâ€™s Topography? An Evaluation of the Variability in Digital Terrain Models of Europa. Remote Sensing, 2021, 13, 5097.	1.8	5
4	A New Digital Terrain Model of the Huygens Landing Site on Saturn's Largest Moon, Titan. Earth and Space Science, 2020, 7, e2020EA001127.	1.1	7
5	Overview of Spirit Microscopic Imager Results. Journal of Geophysical Research E: Planets, 2019, 124, 528-584.	1.5	4
6	Degradation of 100â€mâ€Scale Rocky Ejecta Craters at the InSight Landing Site on Mars and Implications for Surface Processes and Erosion Rates in the Hesperian and Amazonian. Journal of Geophysical Research E: Planets, 2018, 123, 2732-2759.	1.5	27
7	Selection of the InSight Landing Site. Space Science Reviews, 2017, 211, 5-95.	3.7	150
8	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. Space Science Reviews, 2017, 212, 1897-1944.	3.7	111
9	Near Surface Stratigraphy and Regolith Production in Southwestern Elysium Planitia, Mars: Implications for Hesperian-Amazonian Terrains and the InSight Lander Mission. Space Science Reviews, 2017, 211, 147-190.	3.7	57
10	Analysis of Local Slopes at the InSight Landing Site on Mars. Space Science Reviews, 2017, 211, 109-133.	3.7	21
11	Selection of the Mars Science Laboratory Landing Site. Space Science Reviews, 2012, 170, 641-737.	3.7	216
12	Meter-Scale Slopes of Candidate MSL Landing Sites from Point Photoclinometry. Space Science Reviews, 2012, 170, 775-791.	3.7	11
13	The High Resolution Imaging Science Experiment (HiRISE) during MROâ€™s Primary Science Phase (PSP). Icarus, 2010, 205, 2-37.	1.1	153
14	Fluvial channels on Titan: Initial Cassini RADAR observations. Planetary and Space Science, 2008, 56, 1132-1144.	0.9	151
15	Ultrahigh resolution topographic mapping of Mars with MRO HiRISE stereo images: Meterâ€scale slopes of candidate Phoenix landing sites. Journal of Geophysical Research, 2008, 113, .	3.3	303
16	Hydrocarbon lakes on Titan: Distribution and interaction with a porous regolith. Geophysical Research Letters, 2008, 35, .	1.5	227
17	Compositional stratigraphy of clayâ€bearing layered deposits at Mawrth Vallis, Mars. Geophysical Research Letters, 2008, 35, .	1.5	165
18	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

#	Article	IF	Citations
19	Mars Reconnaissance Orbiter's High Resolution Imaging Science Experiment (HiRISE). Journal of Geophysical Research, 2007, 112, .	3.3	1,253
20	The lakes and seas of Titan. Eos, 2007, 88, 569-570.	0.1	30
21	Nearâ€infrared spectral mapping of Titan's mountains and channels. Journal of Geophysical Research, 2007, 112, .	3.3	82
22	Correlations between Cassini VIMS spectra and RADAR SAR images: Implications for Titan's surface composition and the character of the Huygens Probe Landing Site. Planetary and Space Science, 2007, 55, 2025-2036.	0.9	168
23	Topography and geomorphology of the Huygens landing site on Titan. Planetary and Space Science, 2007, 55, 2015-2024.	0.9	101
24	The lakes of Titan. Nature, 2007, 445, 61-64.	13.7	507
25	Mountains on Titan observed by Cassini Radar. Icarus, 2007, 192, 77-91.	1.1	140
26	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
27	The Sand Seas of Titan: Cassini RADAR Observations of Longitudinal Dunes. Science, 2006, 312, 724-727.	6.0	351
28	The rayed crater Zunil and interpretations of small impact craters on Mars. Icarus, 2005, 176, 351-381.	1.1	335
29	Rain, winds and haze during the Huygens probe's descent to Titan's surface. Nature, 2005, 438, 765-778.	13.7	529
30	Selection of the Mars Exploration Rover landing sites. Journal of Geophysical Research, 2003, 108, .	3.3	155
31	Athena Microscopic Imager investigation. Journal of Geophysical Research, 2003, 108, .	3.3	129
32	High-resolution topomapping of candidate MER landing sites with Mars Orbiter Camera narrow-angle images. Journal of Geophysical Research, 2003, 108, .	3.3	118
33	Digital photogrammetric analysis of the IMP camera images: Mapping the Mars Pathfinder landing site in three dimensions. Journal of Geophysical Research, 1999, 104, 8869-8887.	3.3	36
34	FURTHER ADVENTURES IN MARS DTM QUALITY: SMOOTHING ERRORS, SHARPENING DETAILS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 659-666.	0.2	3
35	THE EFFECT OF ILLUMINATION ON STEREO DTM QUALITY: SIMULATIONS IN SUPPORT OF EUROPA EXPLORATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-4, 103-110.	0.0	4
36	COMMUNITY TOOLS FOR CARTOGRAPHIC AND PHOTOGRAMMETRIC PROCESSING OF MARS EXPRESS HRSC IMAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W1, 69-76.	0.2	7

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37	EVALUATING STEREO DTM QUALITY AT JEZERO CRATER, MARS WITH HRSC, CTX, AND HIRISE IMAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1129-1136.	0.2	5
38	A NOVEL TECHNIQUE FOR PRECISION GEOMETRIC CORRECTION OF JITTER DISTORTION FOR THE EUROPA IMAGING SYSTEM AND OTHER ROLLING-SHUTTER CAMERAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 735-739.	0.2	1