James F Bell, Iii

List of Publications by Year
in descending order

157 papers	15,139 citations	14614 66 h-index	18075 120 g-index
163 all docs	163 docs citations	163 times ranked	5337 citing authors

#	Article	IF	Citations
1	Context Camera Investigation on board the Mars Reconnaissance Orbiter. Journal of Geophysical Research, 2007, 112, .	3.3	953
2	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	6.0	508
3	The ChemCam Instrument Suite on the Mars Science Laboratory (MSL) Rover: Body Unit and Combined System Tests. Space Science Reviews, 2012, 170, 167-227.	3.7	429
4	The Spirit Rover's Athena Science Investigation at Gusev Crater, Mars. Science, 2004, 305, 794-799.	6.0	404
5	Detection of Silica-Rich Deposits on Mars. Science, 2008, 320, 1063-1067.	6.0	399
6	An integrated view of the chemistry and mineralogy of martian soils. Nature, 2005, 436, 49-54.	13.7	348
7	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	6.0	326
8	Mineralogy, composition, and alteration of Mars Pathfinder rocks and soils: Evidence from multispectral, elemental, and magnetic data on terrestrial analogue, SNC meteorite, and Pathfinder samples. Journal of Geophysical Research, 2000, 105, 1757-1817.	3.3	294
9	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	6.0	280
10	Mineralogic and compositional properties of Martian soil and dust: Results from Mars Pathfinder. Journal of Geophysical Research, 2000, 105, 1721-1755.	3.3	274
11	Windâ€driven particle mobility on Mars: Insights from Mars Exploration Rover observations at â€œEl Doradoâ€•and surroundings at Gusev Crater. Journal of Geophysical Research, 2008, 113, .	3.3	255
12	Mars Exploration Rover Athena Panoramic Camera (Pancam) investigation. Journal of Geophysical Research, 2003, 108, .	3.3	247
13	Basaltic Rocks Analyzed by the Spirit Rover in Gusev Crater. Science, 2004, 305, 842-845.	6.0	244
14	Results from the Mars Pathfinder Camera. Science, 1997, 278, 1758-1765.	6.0	242
15	Water alteration of rocks and soils on Mars at the Spirit rover site in Gusev crater. Nature, 2005, 436, 66-69.	13.7	240
16	Mars 2020 Mission Overview. Space Science Reviews, 2020, 216, 1.	3.7	239
17	Overview of the Spirit Mars Exploration Rover Mission to Gusev Crater: Landing site to Backstay Rock in the Columbia Hills. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	238
18	Athena Mars rover science investigation. Journal of Geophysical Research, 2003, 108, .	3.3	233

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19	Aeolian processes at the Mars Exploration Rover Meridiani Planum landing site. Nature, 2005, 436, 58-61.	13.7	233
20	Characterization and petrologic interpretation of olivine-rich basalts at Gusev Crater, Mars. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	227
21	Atmospheric Imaging Results from the Mars Exploration Rovers: Spirit and Opportunity. Science, 2004, 306, 1753-1756.	6.0	219
22	Erosion rates at the Mars Exploration Rover landing sites and long-term climate change on Mars. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	215
23	Curiosityâ€™s Mars Hand Lens Imager (MAHLI) Investigation. Space Science Reviews, 2012, 170, 259-317.	3.7	185
24	Mars Exploration Rover Engineering Cameras. Journal of Geophysical Research, 2003, 108, .	3.3	178
25	Ancient Impact and Aqueous Processes at Endeavour Crater, Mars. Science, 2012, 336, 570-576.	6.0	176
26	Ancient Aqueous Environments at Endeavour Crater, Mars. Science, 2014, 343, 1248097.	6.0	176
27	Evolved gas analyses of sedimentary rocks and eolian sediment in Gale Crater, Mars: Results of the Curiosity rover's sample analysis at Mars instrument from Yellowknife Bay to the Namib Dune. Journal of Geophysical Research E: Planets, 2017, 122, 2574-2609.	1.5	168
28	Localization and Physical Properties Experiments Conducted by Spirit at Gusev Crater. Science, 2004, 305, 821-824.	6.0	166
29	Constraints on dust aerosols from the Mars Exploration Rovers using MGS overflights and Mini-TES. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	159
30	Dust aerosol, clouds, and the atmospheric optical depth record over 5 Mars years of the Mars Exploration Rover mission. Icarus, 2015, 251, 96-111.	1.1	158
31	Characteristics, distribution, origin, and significance of opaline silica observed by the Spirit rover in Gusev crater, Mars. Journal of Geophysical Research, 2011, 116, .	3.3	155
32	Pancam Multispectral Imaging Results from the Spirit Rover at Gusev Crater. Science, 2004, 305, 800-806.	6.0	153
33	Observational evidence of crystalline iron oxides on Mars. Journal of Geophysical Research, 1990, 95, 14447-14461.	3.3	149
34	Overview of the Opportunity Mars Exploration Rover Mission to Meridiani Planum: Eagle Crater to Purgatory Ripple. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	149
35	Alkaline volcanic rocks from the Columbia Hills, Gusev crater, Mars. Journal of Geophysical Research, 2006, 111, .	3.3	148
36	Evidence from Opportunity's Microscopic Imager for Water on Meridiani Planum. Science, 2004, 306, 1727-1730.	6.0	146

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37	Nature and origin of the hematite-bearing plains of Terra Meridiani based on analyses of orbital and Mars Exploration rover data sets. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	144
38	Ancient Martian aeolian processes and palaeomorphology reconstructed from the Stimson formation on the lower slope of Aeolis Mons, Gale crater, Mars. Sedimentology, 2018, 65, 993-1042.	1.6	143
39	Near-infrared spectra of ferrous mineral mixtures and methods for their identification in planetary surface spectra. Icarus, 2014, 234, 132-154.	1.1	140
40	Pancam Multispectral Imaging Results from the Opportunity Rover at Meridiani Planum. Science, 2004, 306, 1703-1709.	6.0	135
41	Textures of the Soils and Rocks at Gusev Crater from Spirit's Microscopic Imager. Science, 2004, 305, 824-826.	6.0	130
42	Athena Microscopic Imager investigation. Journal of Geophysical Research, 2003, 108, .	3.3	129
43	Physical properties of the Mars Exploration Rover landing sites as inferred from Mini-TES-derived thermal inertia. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	128
44	Pigmenting agents in martian soils: Inferences from spectral, MÃ¶ssbauer, and magnetic properties of nanophase and other iron oxides in Hawaiian palagonitic soil PN-9. Geochimica Et Cosmochimica Acta, 1993, 57, 4597-4609.	1.6	127
45	Spirit Mars Rover Mission: Overview and selected results from the northern Home Plate Winter Haven to the side of Scamander crater. Journal of Geophysical Research, 2010, 115, .	3.3	127
46	The Mars Science Laboratory (MSL) Mast cameras and Descent imager: Investigation and instrument descriptions. Earth and Space Science, 2017, 4, 506-539.	1.1	117
47	Geology of the Gusev cratered plains from the Spirit rover transverse. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	114
48	The Mars Science Laboratory Curiosity rover Mastcam instruments: Preflight and inâ€flight calibration, validation, and data archiving. Earth and Space Science, 2017, 4, 396-452.	1.1	113
49	In-flight calibration and performance of the Mars Exploration Rover Panoramic Camera (Pancam) instruments. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	112
50	Oxidation of manganese in an ancient aquifer, Kimberley formation, Gale crater, Mars. Geophysical Research Letters, 2016, 43, 7398-7407.	1.5	110
51	Lightâ€toned salty soils and coexisting Siâ€rich species discovered by the Mars Exploration Rover Spirit in Columbia Hills. Journal of Geophysical Research, 2008, 113, .	3.3	108
52	Opportunity Mars Rover mission: Overview and selected results from Purgatory ripple to traverses to Endeavour crater. Journal of Geophysical Research, 2011, 116, .	3.3	106
53	Spirit Mars Rover Mission to the Columbia Hills, Gusev Crater: Mission overview and selected results from the Cumberland Ridge to Home Plate. Journal of Geophysical Research, 2008, 113, .	3.3	99
54	The composition of 433 Eros: A mineralogicalâ€"chemical synthesis. Meteoritics and Planetary Science, 2001, 36, 1661-1672.	0.7	93

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55	Space weathering on Eros: Constraints from albedo and spectral measurements of Psyche crater. Meteoritics and Planetary Science, 2001, 36, 1617-1637.	0.7	89
56	Mineralogic constraints on sulfurâ€rich soils from Pancam spectra at Gusev crater, Mars. Geophysical Research Letters, 2007, 34, .	1.5	89
57	Perseverance rover reveals an ancient delta-lake system and flood deposits at Jezero crater, Mars. Science, 2021, 374, 711-717.	6.0	86
58	Evidence for montmorillonite or its compositional equivalent in Columbia Hills, Mars. Journal of Geophysical Research, 2007, 112, .	3.3	81
59	Structure and stratigraphy of Home Plate from the Spirit Mars Exploration Rover. Journal of Geophysical Research, 2008, 113, .	3.3	81
60	The influence of multivariate analysis methods and target grain size on the accuracy of remote quantitative chemical analysis of rocks using laser induced breakdown spectroscopy. Icarus, 2011, 215, 608-627.	1.1	81
61	Mars Reconnaissance Orbiter Mars Color Imager (MARCI): Instrument description, calibration, and performance. Journal of Geophysical Research, 2009, 114, .	3.3	79
62	Magnetic Properties Experiments on the Mars Exploration Rover Spirit at Gusev Crater. Science, 2004, 305, 827-829.	6.0	77
63	The Mars 2020 Perseverance Rover Mast Camera Zoom (Mastcam-Z) Multispectral, Stereoscopic Imaging Investigation. Space Science Reviews, 2021, 217, 24.	3.7	76
64	Imager for Mars Pathfinder (IMP) image calibration. Journal of Geophysical Research, 1999, 104, 8907-8925.	3.3	75
65	Soil grain analyses at Meridiani Planum, Mars. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	75
66	Preliminary results on photometric properties of materials at the Sagan Memorial Station, Mars. Journal of Geophysical Research, 1999, 104, 8809-8830.	3.3	71
67	New composite reflectance spectra of Mars from 0.4 to 3.14 Î¼m. Geophysical Research Letters, 1994, 21, 353-356.	1.5	69
68	Spectral variability among rocks in visible and near-infrared multispectral Pancam data collected at Gusev crater: Examinations using spectral mixture analysis and related techniques. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	68
69	Characterization of previously unidentified lunar pyroclastic deposits using Lunar Reconnaissance Orbiter Camera data. Journal of Geophysical Research, 2012, 117, .	3.3	68
70	Low-temperature reflectivity spectra of red hematite and the color of Mars. Journal of Geophysical Research, 1997, 102, 9125-9133.	3.3	67
71	Dust deposition on the Mars Exploration Rover Panoramic Camera (Pancam) calibration targets. Journal of Geophysical Research, 2007, 112, .	3.3	67
72	Nickel on Mars: Constraints on meteoritic material at the surface. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	65

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73	Hematite, pyroxene, and phyllosilicates on Mars: Implications from oxidized impact melt rocks from Manicouagan Crater, Quebec, Canada. Journal of Geophysical Research, 1995, 100, 5319.	3.3	64
74	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
75	Distribution of hydrated minerals in the north polar region of Mars. Journal of Geophysical Research, 2009, 114, .	3.3	61
76	Shaler: inÂsitu analysis of a fluvial sedimentary deposit on Mars. Sedimentology, 2018, 65, 96-122.	1.6	59
77	Large Dust Aerosol Sizes Seen During the 2018 Martian Global Dust Event by the Curiosity Rover. Geophysical Research Letters, 2019, 46, 9448-9456.	1.5	58
78	Veneers, rinds, and fracture fills: Relatively late alteration of sedimentary rocks at Meridiani Planum, Mars. Journal of Geophysical Research, 2008, 113, .	3.3	57
79	Sulfate-Rich Eolian and Wet Interdune Deposits, Erebus Crater, Meridiani Planum, Mars. Journal of Sedimentary Research, 2009, 79, 247-264.	0.8	57
80	Visible and near-infrared multispectral analysis of rocks at Meridiani Planum, Mars, by the Mars Exploration Rover Opportunity. Journal of Geophysical Research, 2007, 112, .	3.3	56
81	High concentrations of manganese and sulfur in deposits on Murray Ridge, Endeavour Crater, Mars. American Mineralogist, 2016, 101, 1389-1405.	0.9	55
82	Lucy Mission to the Trojan Asteroids: Science Goals. Planetary Science Journal, 2021, 2, 171.	1.5	54
83	Spectral reflectance â€œdeconstructionâ€•of the Murchison CM2 carbonaceous chondrite and implications for spectroscopic investigations of dark asteroids. Icarus, 2018, 305, 203-224.	1.1	52
84	Spectrophotometric properties of materials observed by Pancam on the Mars Exploration Rovers: 1. Spirit. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	49
85	Spectral reflectance properties of carbonaceous chondrites: 6. CV chondrites. Icarus, 2012, 221, 328-358.	1.1	49
86	Dust deposition on the decks of the Mars Exploration Rovers: 10â€‰years of dust dynamics on the Panoramic Camera calibration targets. Earth and Space Science, 2015, 2, 144-172.	1.1	49
87	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. Science Advances, 2022, 8, .	4.7	47
88	Mineralogical interpretation of reflectance spectra of Eros from NEAR nearâ€infrared spectrometer low phase flyby. Meteoritics and Planetary Science, 2001, 36, 1711-1726.	0.7	45
89	Visible to near-infrared MSL/Mastcam multispectral imaging: Initial results from select high-interest science targets within Gale Crater, Mars. American Mineralogist, 2017, 102, 1202-1217.	0.9	43
90	Clustering and training set selection methods for improving the accuracy of quantitative laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 70, 24-32.	1.5	41

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91	The Hypanis Valles delta: The last highstand of a sea on early Mars?. Earth and Planetary Science Letters, 2018, 500, 225-241.	1.8	41
92	Visible/nearâ€infrared spectral diversity from in situ observations of the Bagnold Dune Field sands in Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2017, 122, 2655-2684.	1.5	40
93	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
94	Hematite spherules at Meridiani: Results from MI, Miniâ€TES, and Pancam. Journal of Geophysical Research, 2008, 113, .	3.3	38
95	Microscopy analysis of soils at the Phoenix landing site, Mars: Classification of soil particles and description of their optical and magnetic properties. Journal of Geophysical Research, 2010, 115, .	3.3	38
96	Surface albedo observations at Gusev Crater and Meridiani Planum, Mars. Journal of Geophysical Research, 2008, 113, .	3.3	37
97	Rock spectral classes observed by the Spirit Rover's Pancam on the Gusev Crater Plains and in the Columbia Hills. Journal of Geophysical Research, 2008, 113, .	3.3	37
98	Spectrophotometric properties of materials observed by Pancam on the Mars Exploration Rovers: 2. Opportunity. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	36
99	Martian surface properties from joint analysis of orbital, Earth-based, and surface observations. , 2008, , 468-498.		35
100	Spectral properties and geologic processes on Eros from combined NEAR NIS and MSI data sets. Meteoritics and Planetary Science, 2003, 38, 1053-1077.	0.7	33
101	Diagenesis of Vera Rubin Ridge, Gale Crater, Mars, From Mastcam Multispectral Images. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006322.	1.5	33
102	Bounce Rockâ€”A shergottiteâ€like basalt encountered at Meridiani Planum, Mars. Meteoritics and Planetary Science, 2011, 46, 1-20.	0.7	32
103	A global survey of martian central mounds: Central mounds as remnants of previously more extensive large-scale sedimentary deposits. Icarus, 2016, 264, 331-341.	1.1	32
104	Radiative transfer modeling of dust-coated Pancam calibration target materials: Laboratory visible/near-infrared spectrogoniometry. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	31
105	Overview of the magnetic properties experiments on the Mars Exploration Rovers. Journal of Geophysical Research, 2009, 114, .	3.3	31
106	Constraints on iron sulfate and iron oxide mineralogy from ChemCam visible/near-infrared reflectance spectroscopy of Mt. Sharp basal units, Gale Crater, Mars. American Mineralogist, 2016, 101, 1501-1514.	0.9	31
107	Toward Generalized Change Detection on Planetary Surfaces With Convolutional Autoencoders and Transfer Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3900-3918.	2.3	31
108	Pre-Flight Calibration of the Mars 2020 Rover Mastcam Zoom (Mastcam-Z) Multispectral, Stereoscopic Imager. Space Science Reviews, 2021, 217, 29.	3.7	31

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109	Mars Reconnaissance Orbiter and Opportunity observations of the Burns formation: Crater hopping at Meridiani Planum. Journal of Geophysical Research E: Planets, 2015, 120, 429-451.	1.5	30
110	Solar eclipses of Phobos and Deimos observed from the surface of Mars. Nature, 2005, 436, 55-57.	13.7	29
111	Coordinated analyses of orbital and Spirit Rover data to characterize surface materials on the cratered plains of Gusev Crater, Mars. Journal of Geophysical Research, 2007, 112, .	3.3	29
112	Diverse Lithologies and Alteration Events on the Rim of Noachianâ€Aged Endeavour Crater, Meridiani Planum, Mars: In Situ Compositional Evidence. Journal of Geophysical Research E: Planets, 2018, 123, 1255-1306.	1.5	28
113	Synergistic Ground and Orbital Observations of Iron Oxides on Mt. Sharp and Vera Rubin Ridge. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006294.	1.5	27
114	Radiometric Calibration Targets for the Mastcam-Z Camera on the Mars 2020 Rover Mission. Space Science Reviews, 2020, 216, 1.	3.7	27
115	The Spirit Rover's Athena science investigation at Gusev Crater, Mars. Science, 2004, 305, 794-9.	6.0	27
116	VNIR multispectral observations of aqueous alteration materials by the Pancams on the Spirit and Opportunity Mars Exploration Rovers. American Mineralogist, 2016, 101, 2005-2019.	0.9	25
117	Hypotheses for the origin of the Hypanis fan-shaped deposit at the edge of the Chryse escarpment, Mars: Is it a delta?. Icarus, 2019, 319, 885-908.	1.1	25
118	Field reconnaissance geologic mapping of the Columbia Hills, Mars, based on Mars Exploration Rover Spirit and MRO HiRISE observations. Journal of Geophysical Research, 2011, 116, .	3.3	24
119	VNIR multispectral observations of rocks at Cape York, Endeavour crater, Mars by the Opportunity roverâ€™s Pancam. Icarus, 2013, 225, 709-725.	1.1	23
120	Comparison of novelty detection methods for multispectral images in rover-based planetary exploration missions. Data Mining and Knowledge Discovery, 2020, 34, 1642-1675.	2.4	23
121	High resolution mapping of TiO₂ abundances on the Moon using the Hubble Space Telescope. Geophysical Research Letters, 2007, 34, .	1.5	22
122	Calibration and in-flight performance of the Mars Odyssey Thermal Emission Imaging System visible imaging subsystem (THEMIS VIS). Journal of Geophysical Research, 2006, 111, .	3.3	21
123	Lucy Mission to the Trojan Asteroids: Instrumentation and Encounter Concept of Operations. Planetary Science Journal, 2021, 2, 172.	1.5	21
124	Spectral, Compositional, and Physical Properties of the Upper Murray Formation and Vera Rubin Ridge, Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006290.	1.5	20
125	Chromaticity of the Martian sky as observed by the Mars Exploration Rover Pancam instruments. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	19
126	Temporal observations of bright soil exposures at Gusev crater, Mars. Journal of Geophysical Research, 2011, 116, .	3.3	19

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127	Sands at Gusev Crater, Mars. Journal of Geophysical Research E: Planets, 2014, 119, 941-967.	1.5	19
128	Demosaicing enhancement using pixel-level fusion. Signal, Image and Video Processing, 2018, 12, 749-756.	1.7	18
129	Bagnold Dunes Campaign Phase 2: Visible/Nearâ€Infrared Reflectance Spectroscopy of Longitudinal Ripple Sands. Geophysical Research Letters, 2018, 45, 9480-9487.	1.5	17
130	Correlating multispectral imaging and compositional data from the Mars Exploration Rovers and implications for Mars Science Laboratory. Icarus, 2013, 223, 157-180.	1.1	14
131	Synoptic measurements of Martian winds using the Hubble Space Telescope. Geophysical Research Letters, 1998, 25, 611-614.	1.5	13
132	Hypotheses for the origin of fine-grained sedimentary rocks at Santa Maria crater, Meridiani Planum. Icarus, 2014, 234, 36-44.	1.1	13
133	Comparison of Deep Learning and Conventional Demosaicing Algorithms for Mastcam Images. Electronics (Switzerland), 2019, 8, 308.	1.8	13
134	Mars Exploration Rover Navigation Camera inâ€flight calibration. Journal of Geophysical Research, 2008, 113, .	3.3	12
135	Spectrophotometric properties of materials observed by Pancam on the Mars Exploration Rovers: 3. Sols 500â€“1525. Icarus, 2015, 248, 25-71.	1.1	12
136	Analysis of a spectrally unique deposit in the dissected Noachian terrain of Mars. Journal of Geophysical Research, 2006, 111, .	3.3	11
137	Mars Exploration Rover Pancam multispectral imaging of rocks, soils, and dust at Gusev crater and Meridiani Planum. , 0, , 281-314.		11
138	Context-dependent image quality assessment of JPEG compressed Mars Science Laboratory Mastcam images using convolutional neural networks. Computers and Geosciences, 2018, 118, 109-121.	2.0	11
139	The albedo of Mars: Six Mars years of observations from Pancam on the Mars Exploration Rovers and comparisons to MOC, CTX and HiRISE. Icarus, 2018, 314, 159-174.	1.1	10
140	Visible to near-IR multispectral orbital observations of Mars. , 2008, , 169-192.		8
141	Physical properties of the Martian surface from spectrophotometric observations. , 0, , 428-450.		8
142	TES spectroscopic identification of a region of persistent water ice clouds on the flanks of Arsia Mons Volcano, Mars. Journal of Geophysical Research, 2005, 110, .	3.3	7
143	Exploration of the Martian surface: 1992â€“2007. , 2008, , 3-19.		6
144	Multispectral imaging from Mars Pathfinder. , 0, , 263-280.		6

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145	THEMISâ€VIS Investigations of Sand at Gale Crater. Earth and Space Science, 2018, 5, 352-363.	1.1	6
146	The ChemCam Instrument Suite on the Mars Science Laboratory (MSL) Rover: Body Unit and Combined System Tests. , 2012, , 167-227.		6
147	Spectrophotometry from Mars Hand Lens Imager goniometer measurements: Kimberley region, Gale crater. Icarus, 2020, 335, 113361.	1.1	5
148	Overview of Spirit Microscopic Imager Results. Journal of Geophysical Research E: Planets, 2019, 124, 528-584.	1.5	4
149	HST studies of Mars. , 2003, , 1-24.		3
150	Historical context: the pre-MGS view of Mars' surface composition. , 2008, , 20-30.		3
151	Regional Geology of the Hypanis Valles System, Mars. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	3
152	Water on Planets. Proceedings of the International Astronomical Union, 2009, 5, 29-44.	0.0	1
153	Integrating Novelty Detection Capabilities with MSL Mastcam Operations to Enhance Data Analysis. , 2021, , .		1
154	The future of Mars exploration. , 0, , 627-630.		0
155	Laser-Induced Breakdown Spectroscopy. , 2019, , 168-190.		0
156	An Instrument Anomaly in the Mars Exploration Rover Pancam 1,009â€nm Filter (R7): Characterization, Simulation, Correction, and Preliminary Verification. Earth and Space Science, 2019, 6, 96-115.	1.1	0
157	Tactical and Strategic Data Analysis Methods for Multispectral Imaging Data from Landed Mars Missions. , 2019, , .		0