

# Ernst Hauber

## List of Publications by Year in descending order

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187  
papers

10,470  
citations

34105

52  
h-index

36028

97  
g-index

227  
all docs

227  
docs citations

227  
times ranked

4659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Planetary polar explorer – the case for a next-generation remote sensing mission to low Mars orbit. <i>Experimental Astronomy</i> , 2022, 54, 695-711.	3.7	6
2	Geometry and Segmentation of Cerberus Fossae, Mars: Implications for Marsquake Properties. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	20
3	Planning Implications Related to Sterilization-Sensitive Science Investigations Associated with Mars Sample Return (MSR). <i>Astrobiology</i> , 2022, 22, S-112-S-164.	3.0	7
4	Final Report of the Mars Sample Return Science Planning Group 2 (MSPG2). <i>Astrobiology</i> , 2022, 22, S-5-S-26.	3.0	15
5	Rationale and Proposed Design for a Mars Sample Return (MSR) Science Program. <i>Astrobiology</i> , 2022, 22, S-27-S-56.	3.0	14
6	Science and Curation Considerations for the Design of a Mars Sample Return (MSR) Sample Receiving Facility (SRF). <i>Astrobiology</i> , 2022, 22, S-217-S-237.	3.0	7
7	In Situ and Orbital Stratigraphic Characterization of the InSight Landing Site – A Type Example of a Regolith-Covered Lava Plain on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	17
8	New evidence for sedimentary volcanism on Chryse Planitia, Mars. <i>Icarus</i> , 2022, 382, 115038.	2.5	5
9	Cellular patterns and dry convection in textured dust storms at the edge of Mars North Polar Cap. <i>Icarus</i> , 2022, 387, 115183.	2.5	9
10	Reconstructing the infilling history within Robert Sharp crater, Mars: Insights from morphology and stratigraphy. <i>Icarus</i> , 2021, 358, 114223.	2.5	4
11	The Boulder Population of Asteroid 4 Vesta: Size-Frequency Distribution and Survival Time. <i>Earth and Space Science</i> , 2021, 8, e2019EA000941.	2.6	17
12	An Extremely Elongated Cloud Over Arsia Mons Volcano on Mars: I. Life Cycle. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006517.	3.6	9
13	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.	3.6	23
14	The Brittle Boulders of Dwarf Planet Ceres. <i>Planetary Science Journal</i> , 2021, 2, 111.	3.6	10
15	Stratigraphic Relationships in Jezero Crater, Mars: Constraints on the Timing of Fluvial-Lacustrine Activity From Orbital Observations. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006840.	3.6	20
16	Delta Deposits on Mars: A Global Perspective. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094271.	4.0	11
17	Geological History of Southeastern Gorgonum Chaos, Mars: A Story of Water and Wind. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006903.	3.6	1
18	From hot to cold? – Hydrothermal activities as a source for icy-debris flows on Dryas Mons, Terra Sirenum, Mars. <i>Icarus</i> , 2021, 372, 114698.	2.5	0

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19	Seasonal seismic activity on Mars. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117171.	4.4	13
20	CaSSIS color and multi-angular observations of Martian slope streaks. <i>Planetary and Space Science</i> , 2021, 209, 105373.	1.7	6
21	The geography of Oxia Planum. <i>Journal of Maps</i> , 2021, 17, 621-637.	2.0	16
22	Rock Sizeâ€Frequency Distributions at the InSight Landing Site, Mars. <i>Earth and Space Science</i> , 2021, 8, .	2.6	12
23	Experimental evidence for lava-like mud flows under Martian surface conditions. <i>Nature Geoscience</i> , 2020, 13, 403-407.	12.9	29
24	Mud flow levitation on Mars: Insights from laboratory simulations. <i>Earth and Planetary Science Letters</i> , 2020, 545, 116406.	4.4	6
25	Comparison of InSight<i>Homestead</i>Hollow to Hollows at the Spirit Landing Site. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006435.	3.6	10
26	An Impact Crater Origin for the InSight Landing Site at Homestead Hollow, Mars: Implications for Near Surface Stratigraphy, Surface Processes, and Erosion Rates. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006333.	3.6	24
27	Degradation of <i>Homestead Hollow</i> at the <i>InSight</i> Landing Site Based on the Distribution and Properties of Local Deposits. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006350.	3.6	20
28	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	12.8	107
29	Quantifying the latitudinal distribution of climate-related landforms on Mars' southern hemisphere. <i>Icarus</i> , 2020, 346, 113806.	2.5	2
30	Groundwater Control and Process Variability on the Equatorial Layered Deposits of Kotido Crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 779-800.	3.6	16
31	Geomorphological Evidence of Localized Stagnant Ice Deposits in Terra Cimmeria, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1525-1541.	3.6	4
32	Subsurface Sediment Mobilization in the Southern Chryse Planitia on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 703-720.	3.6	27
33	Planetary Geologic Mapping. <i>Lecture Notes in Geoinformation and Cartography</i> , 2019, , 105-145.	1.0	3
34	Grid Mapping the Northern Plains of Mars: Geomorphological, Radar, and Waterâ€Equivalent Hydrogen Results From Arcadia Planitia. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 504-527.	3.6	10
35	Grid Mapping the Northern Plains of Mars: Using Morphotype and Distribution of Iceâ€Related Landforms to Understand Multiple Iceâ€Rich Deposits in Utopia Planitia. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 483-503.	3.6	22
36	Grid Mapping the Northern Plains of Mars: A New Overview of Recent Waterâ€and Iceâ€Related Landforms in Acidalia Planitia. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 454-482.	3.6	23

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37	The banded terrain on northwestern Hellas Planitia: New observations and insights into its possible formation. <i>Icarus</i> , 2019, 321, 171-188.	2.5	8
38	Debris flows and water tracks in northern Victoria Land, continental East Antarctica: a new terrestrial analogue site for gullies and recurrent slope lineae on Mars. <i>Geological Society Special Publication</i> , 2019, 467, 267-287.	1.3	5
39	GEOLOGY OF THE INSIGHT LANDING SITE, MARS. , 2019, , .		2
40	AN IMPACT ORIGIN FOR HOMESTEAD HOLLOW, THE LANDING LOCATION OF THE INSIGHT LANDER ON MARS. , 2019, , .		4
41	SURFACE ALTERATION FROM LANDING INSIGHT ON MARS AND ITS IMPLICATIONS FOR SHALLOW REGOLITH STRUCTURE. , 2019, , .		5
42	MODIFICATION OF HOMESTEAD HOLLOW AT THE INSIGHT LANDING SITE. , 2019, , .		1
43	Volcanic flows versus water- and ice-related outburst deposits in eastern Hellas: A comparison. <i>Icarus</i> , 2018, 307, 1-16.	2.5	4
44	Geology of Hebes Chasma, Mars: 1. Structure, Stratigraphy, and Mineralogy of the Interior Layered Deposits. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2893-2919.	3.6	10
45	iMARS <i>Phase 2</i>. <i>Astrobiology</i> , 2018, 18, S-1-S-131.	3.0	18
46	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	77
47	Slow Periglacial Mass Wasting (Solifluction) on Mars. , 2018, , 239-269.		2
48	Geologic Tools. , 2018, , 15-31.		2
49	A 20-year record (1998â€“2017) of permafrost, active layer and meteorological conditions at a high Arctic permafrost research site (Bayelva, Spitsbergen). <i>Earth System Science Data</i> , 2018, 10, 355-390.	9.9	47
50	Grid-based mapping: A method for rapidly determining the spatial distributions of small features over very large areas. <i>Planetary and Space Science</i> , 2017, 140, 49-61.	1.7	26
51	Valles Marineris tectonic and volcanic history inferred from dikes in eastern Coprates Chasma. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1353-1371.	3.6	18
52	The PanCam Instrument for the ExoMars Rover. <i>Astrobiology</i> , 2017, 17, 511-541.	3.0	55
53	The Evolution of Juventae Chasma, Valles Marineris, Mars: Progressive Collapse and Sedimentation. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2223-2249.	3.6	11
54	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2017, 212, 1897-1944.	8.1	111

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55	Debris flow recurrence periods and multi-temporal observations of colluvial fan evolution in central Spitsbergen (Svalbard). <i>Geomorphology</i> , 2017, 296, 132-141.	2.6	9
56	Grid-mapping Hellas Planitia, Mars – Insights into distribution, evolution and geomorphology of (Peri)-glacial, fluvial and lacustrine landforms in Mars' deepest basin. <i>Planetary and Space Science</i> , 2017, 145, 49-70.	1.7	10
57	Habitability on Early Mars and the Search for Biosignatures with the ExoMars Rover. <i>Astrobiology</i> , 2017, 17, 471-510.	3.0	371
58	Amazonian volcanism inside Valles Marineris on Mars. <i>Earth and Planetary Science Letters</i> , 2017, 473, 122-130.	4.4	33
59	The High Resolution Stereo Camera (HRSC) of Mars Express and its approach to science analysis and mapping for Mars and its satellites. <i>Planetary and Space Science</i> , 2016, 126, 93-138.	1.7	128
60	Amazonian-aged fluvial system and associated ice-related features in Terra Cimmeria, Mars. <i>Icarus</i> , 2016, 277, 286-299.	2.5	25
61	Hydrological and sedimentary analyses of well-preserved paleofluvial-paleolacustrine systems at Moa Valles, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 194-232.	3.6	23
62	Planetary Protection and Mars Special Regions – A Suggestion for Updating the Definition. <i>Astrobiology</i> , 2016, 16, 119-125.	3.0	36
63	Scoria cones on Mars: Detailed investigation of morphometry based on high-resolution digital elevation models. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1512-1527.	3.6	40
64	Geologic evolution of the eastern Eridania basin: Implications for aqueous processes in the southern highlands of Mars. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1774-1799.	3.6	16
65	Groundwater seepage landscapes from distant and local sources in experiments and on Mars. <i>Earth Surface Dynamics</i> , 2015, 3, 389-408.	2.4	35
66	Quantifying geological processes on Mars – Results of the high resolution stereo camera (HRSC) on Mars express. <i>Planetary and Space Science</i> , 2015, 112, 53-97.	1.7	63
67	Water on the Terrestrial Planets. , 2015, , 367-409.		7
68	Sedimentological analyses of martian gullies: The subsurface as the key to the surface. <i>Icarus</i> , 2015, 258, 92-108.	2.5	28
69	Estimating precipitation on early Mars using a radiative-convective model of the atmosphere and comparison with inferred runoff from geomorphology. <i>Planetary and Space Science</i> , 2015, 105, 133-147.	1.7	15
70	Evidence for Amazonian highly viscous lavas in the southern highlands on Mars. <i>Earth and Planetary Science Letters</i> , 2015, 415, 200-212.	4.4	19
71	Earth-like aqueous debris-flow activity on Mars at high orbital obliquity in the last million years. <i>Nature Communications</i> , 2015, 6, 7543.	12.8	42
72	Surface morphology of fans in the high-Arctic periglacial environment of Svalbard: Controls and processes. <i>Earth-Science Reviews</i> , 2015, 146, 163-182.	9.1	72

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73	Pressurized groundwater systems in Lunae and Ophir Plana (Mars): Insights from small-scale morphology and experiments. <i>GeoResJ</i> , 2015, 8, 1-13.	1.4	14
74	Mars Stratigraphy. , 2015, , 1493-1494.		0
75	Habitability on Mars. , 2015, , 1035-1037.		0
76	Stratigraphy and mineralogy of Candor Mensa, West Candor Chasma, Mars: Insights into the geologic history of Valles Marineris. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 331-354.	3.6	19
77	Geology of the Ariadnes Basin, NE Eridania quadrangle, Mars " 1:1Million. <i>Journal of Maps</i> , 2014, 10, 487-499.	2.0	10
78	Landscape formation at the Deuteronilus contact in southern Isidis Planitia, Mars: Implications for an Isidis Sea?. <i>Icarus</i> , 2014, 242, 329-351.	2.5	12
79	Shape of scoria cones on Mars: Insights from numerical modeling of ballistic pathways. <i>Earth and Planetary Science Letters</i> , 2014, 406, 14-23.	4.4	28
80	Evidence for very recent melt-water and debris flow activity in gullies in a young mid-latitude crater on Mars. <i>Icarus</i> , 2014, 235, 37-54.	2.5	103
81	Water and Martian habitability: Results of an integrative study of water related processes on Mars in context with an interdisciplinary Helmholtz research alliance "œPlanetary Evolution and Life"œ. <i>Planetary and Space Science</i> , 2014, 98, 128-145.	1.7	6
82	Pressurized groundwater outflow experiments and numerical modeling for outflow channels on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2668-2693.	3.6	19
83	Habitability on Mars. , 2014, , 1-2.		2
84	Mars Stratigraphy. , 2014, , 1-2.		0
85	Equatorial Layered Deposits in Arabia Terra, Mars: Stratigraphy and Process Variability. <i>Springer Geology</i> , 2014, , 343-347.	0.3	0
86	Lava flow rheology: A comparison of morphological and petrological methods. <i>Earth and Planetary Science Letters</i> , 2013, 384, 109-120.	4.4	79
87	Outgassing History and Escape of the Martian Atmosphere and Water Inventory. <i>Space Science Reviews</i> , 2013, 174, 113-154.	8.1	159
88	Quantitative Assessments of the Martian Hydrosphere. <i>Space Science Reviews</i> , 2013, 174, 155-212.	8.1	88
89	Long-Term Evolution of the Martian Crust-Mantle System. <i>Space Science Reviews</i> , 2013, 174, 49-111.	8.1	124
90	Morphological evidence for geologically young thaw of ice on Mars: A review of recent studies using high-resolution imaging data. <i>Progress in Physical Geography</i> , 2013, 37, 289-324.	3.2	31

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91	Hydrovolcanic tuff rings and cones as indicators for phreatomagmatic explosive eruptions on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1656-1675.	3.6	124
92	Local late Amazonian boulder breakdown and denudation rate on Mars. <i>Geophysical Research Letters</i> , 2013, 40, 3527-3531.	4.0	31
93	Asynchronous formation of Hesperian and Amazonian-aged deltas on Mars and implications for climate. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1529-1544.	3.6	72
94	Sequence of infilling events in Gale Crater, Mars: Results from morphology, stratigraphy, and mineralogy. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2439-2473.	3.6	139
95	Age Determination of Martian Low Shield Volcanoes by Crater Size-Frequency Measurements. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2012, 2012, 177-185.	1.2	1
96	The origin and timing of fluvial activity at Eberswalde crater, Mars. <i>Icarus</i> , 2012, 220, 530-551.	2.5	89
97	Extensive surface pedogenic alteration of the Martian Noachian crust suggested by plateau phyllosilicates around Valles Marineris. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	79
98	Underlying structural control of small-scale faults and fractures in West Candor Chasma, Mars. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	5
99	A unique volcanic field in Tharsis, Mars: Pyroclastic cones as evidence for explosive eruptions. <i>Icarus</i> , 2012, 218, 88-99.	2.5	81
100	Periglacial mass-wasting landforms on Mars suggestive of transient liquid water in the recent past: Insights from solifluction lobes on Svalbard. <i>Icarus</i> , 2012, 218, 489-505.	2.5	50
101	Valleys, paleolakes and possible shorelines at the Libya Montes/Isidis boundary: Implications for the hydrologic evolution of Mars. <i>Icarus</i> , 2012, 219, 393-413.	2.5	43
102	Habitable periglacial landscapes in martian mid-latitudes. <i>Icarus</i> , 2012, 219, 345-357.	2.5	36
103	Long-Term Evolution of the Martian Crust-Mantle System. <i>Space Sciences Series of ISSI</i> , 2012, , 49-111.	0.0	4
104	Outgassing History and Escape of the Martian Atmosphere and Water Inventory. <i>Space Sciences Series of ISSI</i> , 2012, , 113-154.	0.0	6
105	Quantitative Assessments of the Martian Hydrosphere. <i>Space Sciences Series of ISSI</i> , 2012, , 155-212.	0.0	0
106	Very recent and wide-spread basaltic volcanism on Mars. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	129
107	Polygon pattern geomorphometry on Svalbard (Norway) and western Utopia Planitia (Mars) using high-resolution stereo remote-sensing data. <i>Geomorphology</i> , 2011, 134, 197-216.	2.6	64
108	Volcanic outgassing of CO <sub>2</sub> and H <sub>2</sub> O on Mars. <i>Earth and Planetary Science Letters</i> , 2011, 308, 391-400.	4.4	139

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109	Recent tectonics and subsidence on Mars: Hints from Aureum Chaos. Earth and Planetary Science Letters, 2011, 312, 13-21.	4.4	14
110	Evolution of periglacial landforms in the ancient mountain range of the Thaumasia Highlands, Mars. Geological Society Special Publication, 2011, 356, 69-85.	1.3	6
111	Interior layered deposits within a perched basin, southern Coprates Chasma, Mars: Evidence for their formation, alteration, and erosion. Journal of Geophysical Research, 2011, 116, .	3.3	36
112	Periglacial geomorphology and landscape evolution of the Tempe Terra region, Mars. Geological Society Special Publication, 2011, 356, 43-67.	1.3	9
113	Periglacial landscapes on Svalbard: Terrestrial analogs for cold-climate landforms on Mars. , 2011, , .		17
114	Terrestrial gullies and debris-flow tracks on Svalbard as planetary analogs for Mars. , 2011, , .		24
115	Landscape evolution in Martian mid-latitude regions: insights from analogous periglacial landforms in Svalbard. Geological Society Special Publication, 2011, 356, 111-131.	1.3	46
116	Distribution and evolution of scalloped terrain in the southern hemisphere, Mars. Icarus, 2010, 206, 691-706.	2.5	62
117	Concatenation of HRSC colour and OMEGA data for the determination and 3D-parameterization of high-altitude CO2 clouds in the Martian atmosphere. Planetary and Space Science, 2010, 58, 1207-1214.	1.7	30
118	Interpretation and analysis of planetary structures. Journal of Structural Geology, 2010, 32, 855-875.	2.3	71
119	Mercury's surface and composition to be studied by BepiColombo. Planetary and Space Science, 2010, 58, 21-39.	1.7	31
120	Stratigraphy in the Mawrth Vallis region through OMEGA, HRSC color imagery and DTM. Icarus, 2010, 205, 396-418.	2.5	146
121	Morphology, stratigraphy, and mineralogical composition of a layered formation covering the plateaus around Valles Marineris, Mars: Implications for its geological history. Icarus, 2010, 208, 684-703.	2.5	48
122	Mapping the mesospheric CO2 clouds on Mars: MEx/OMEGA and MEx/HRSC observations and challenges for atmospheric models. Icarus, 2010, 209, 452-469.	2.5	71
123	The Mawrth Vallis Region of Mars: A Potential Landing Site for the Mars Science Laboratory (MSL) Mission. Astrobiology, 2010, 10, 687-703.	3.0	48
124	Lineated valley fill at the Martian dichotomy boundary: Nature and history of degradation. Journal of Geophysical Research, 2010, 115, .	3.3	17
125	Thermokarst in Siberian ice-rich permafrost: Comparison to asymmetric scalloped depressions on Mars. Journal of Geophysical Research, 2010, 115, .	3.3	69
126	Structural analysis of interior layered deposits in Northern Coprates Chasma, Mars. Earth and Planetary Science Letters, 2010, 294, 343-356.	4.4	22



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127	Martian rifts: Structural geology and geophysics. <i>Earth and Planetary Science Letters</i> , 2010, 294, 393-410.	4.4	86
128	Palaeoflow reconstruction from fan delta morphology on Mars. <i>Earth and Planetary Science Letters</i> , 2010, 294, 378-392.	4.4	66
129	Noachian–Hesperian geologic history of the Echus Chasma and Kasei Valles system on Mars: New data and interpretations. <i>Earth and Planetary Science Letters</i> , 2010, 294, 256-271.	4.4	79
130	Amazonian geologic history of the Echus Chasma and Kasei Valles system on Mars: New data and interpretations. <i>Earth and Planetary Science Letters</i> , 2010, 294, 238-255.	4.4	75
131	Spatial and alignment analyses for a field of small volcanic vents south of Pavonis Mons and implications for the Tharsis province, Mars. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 185, 96-102.	2.1	60
132	The topography and morphology of low shields and associated landforms of plains volcanism in the Tharsis region of Mars. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 185, 69-95.	2.1	107
133	Sedimentary deposits in Xanthe Terra: Implications for the ancient climate on Mars. <i>Planetary and Space Science</i> , 2009, 57, 944-957.	1.7	66
134	Regional differences in gully occurrence on Mars: A comparison between the Hale and Bond craters. <i>Planetary and Space Science</i> , 2009, 57, 958-974.	1.7	44
135	4.2.3.5 Planetary geology: Craters and chronology, Volcanism, Tectonics. <i>Landolt-Börnstein - Group VI Astronomy and Astrophysics</i> , 2009, , 345-433.	0.1	4
136	4.2.3.5 Planetary geology: Erosion, transport and sedimentation, Nomenclature. <i>Landolt-Börnstein - Group VI Astronomy and Astrophysics</i> , 2009, , 434-454.	0.1	0
137	The imaging performance of the SRC on Mars Express. <i>Planetary and Space Science</i> , 2008, 56, 473-491.	1.7	38
138	Evolution and depositional environments of the Eberswalde fan delta, Mars. <i>Icarus</i> , 2008, 197, 429-451.	2.5	111
139	Geomorphic evidence for former lobate debris aprons at low latitudes on Mars: Indicators of the Martian paleoclimate. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	76
140	Ferric oxides in East Candor Chasma, Valles Marineris (Mars) inferred from analysis of OMEGA/Mars Express data: Identification and geological interpretation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
141	Stratigraphy and structure of interior layered deposits in west Candor Chasma, Mars, from High Resolution Stereo Camera (HRSC) stereo imagery and derived elevations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
142	Large-scale spring deposits on Mars?. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	115
143	Olympus Mons, Mars: Inferred changes in late Amazonian aged effusive activity from lava flow mapping of Mars Express High Resolution Stereo Camera data. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
144	Acheron Fossae, Mars: Tectonic rifting, volcanism, and implications for lithospheric thickness. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39

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145	Deposition and degradation of a volatile-rich layer in Utopia Planitia and implications for climate history on Mars. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	116
146	Cold climate modification of Martian landscapes: A case study of a spatulate debris landform in the Hellas Montes Region, Mars. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
147	Water on the Terrestrial Planets. , 2007, , 371-420.		0
148	Formation of the double rift system in the Thaumasia Highlands, Mars. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	11
149	Mechanical modeling of thrust faults in the Thaumasia region, Mars, and implications for the Noachian heat flux. <i>Icarus</i> , 2007, 186, 517-526.	2.5	69
150	The high-resolution stereo camera (HRSC) experiment on Mars Express: Instrument aspects and experiment conduct from interplanetary cruise through the nominal mission. <i>Planetary and Space Science</i> , 2007, 55, 928-952.	1.7	391
151	The BepiColombo Laser Altimeter (BELA): Concept and baseline design. <i>Planetary and Space Science</i> , 2007, 55, 1398-1413.	1.7	80
152	Ages of rampart craters in equatorial regions on Mars: Implications for the past and present distribution of ground ice. <i>Meteoritics and Planetary Science</i> , 2006, 41, 1437-1452.	1.6	28
153	A structural study of an interior layered deposit in southwestern Candor Chasma, Valles Marineris, Mars, using high resolution stereo camera data from Mars Express. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	22
154	A steep fan at Coprates Catena, Valles Marineris, Mars, as seen by HRSC data. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	28
155	Geological evolution of the Tyras Vallis paleolacustrine system, Mars. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	42
156	Dust devils on Mars observed by the High Resolution Stereo Camera. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	44
157	Working models for spatial distribution and level of Mars' seismicity. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	149
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