

# James W. Head

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239 papers	17,085 citations	71 h-index	124 g-index
242 ext. papers	19,564 ext. citations	6.6 avg, IF	6.97 L-index

#	Paper	IF	Citations
239	Planetary volcanology: progress, problems, and opportunities. <i>Bulletin of Volcanology</i> , <b>2022</b> , 84, 1	2.4	0
238	Noachian Proglacial Paleolakes on Mars: Regionally Recurrent Fluvial Activity and Lake Formation within Closed-source Drainage Basin Craters. <i>Planetary Science Journal</i> , <b>2022</b> , 3, 38	2.9	1
237	Sulfides in Mercury's Mantle: Implications for Mercury's Interior as Interpreted From Moment of Inertia. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	1
236	Copernican-Aged (. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095341	4.9	4
235	Age and composition of young basalts on the Moon, measured from samples returned by Chang'e-5. <i>Science</i> , <b>2021</b> , 374, 887-890	33.3	27
234	Geological Characteristics and Targets of High Scientific Interest in the Zhurong Landing Region on Mars. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094903	4.9	5
233	A Noachian Proglacial Paleolake on Mars: Fluvial Activity and Lake Formation within a Closed-source Drainage Basin Crater and Implications for Early Mars Climate. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 52	2.9	6
232	A coupled model of episodic warming, oxidation and geochemical transitions on early Mars. <i>Nature Geoscience</i> , <b>2021</b> , 14, 127-132	18.3	20
231	Ina Lunar Irregular Mare Patch Mission Concepts: Distinguishing between Ancient and Modern Volcanism Models. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 66	2.9	1
230	A Volcanic Ash Layer in the Nördlinger Ries Impact Structure (Miocene, Germany): Indication of Crater Fill Geometry and Origins of Long-Term Crater Floor Sagging. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2020JE006764	4.1	3
229	Formation and dispersal of pyroclasts on the Moon: Indicators of lunar magma volatile contents. <i>Journal of Volcanology and Geothermal Research</i> , <b>2021</b> , 413, 107217	2.8	6
228	China's Chang'e-5 landing site: Geology, stratigraphy, and provenance of materials. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 561, 116855	5.3	28
227	The Long Sinuous Rille System in Northern Oceanus Procellarum and Its Relation to the Chang'e-5 Returned Samples. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092663	4.9	4
226	Venus, an Astrobiology Target. <i>Astrobiology</i> , <b>2021</b> , 21, 1163-1185	3.7	14
225	Degassing of volcanic extrusives on Mercury: Potential contributions to transient atmospheres and buried polar deposits. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 564, 116907	5.3	2
224	Young lunar mare basalts in the Chang'e-5 sample return region, northern Oceanus Procellarum. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 555, 116702	5.3	36
223	Patterns of late Amazonian deglaciation from the distribution of martian paraglacial features. <i>Icarus</i> , <b>2021</b> , 355, 114117	3.8	1

222	In search of the RNA world on Mars. <i>Geobiology</i> , <b>2021</b> , 19, 307-321	4.3	4
221	The Lunar Mare Ring-Moat Dome Structure (RMDS) Age Conundrum: Contemporaneous With Imbrian-Aged Host Lava Flows or Emplaced in the Copernican?. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006880	4.1	2
220	Mare Domes in Mare Tranquillitatis: Identification, Characterization, and Implications for Their Origin. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006888	4.1	1
219	Boulders on Mercury. <i>Icarus</i> , <b>2021</b> , 369, 114628	3.8	1
218	Temperature-Dependent Changes in the Normal Albedo of the Lunar Surface at 1,064 nm. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006338	4.1	1
217	Assessing the Roughness Properties of Circumpolar Lunar Craters: Implications for the Timing of Water-Ice Delivery to the Moon. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087782	4.9	4
216	Lunar Irregular Mare Patches: Classification, Characteristics, Geologic Settings, Updated Catalog, Origin, and Outstanding Questions. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006362	4.1	6
215	The Cauchy 5 Small, Low-Volume Lunar Shield Volcano: Evidence for Volatile Exsolution-Eruption Patterns and Type 1/Type 2 Hybrid Irregular Mare Patch Formation. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006171	4.1	6
214	Regolith textures on Mercury: Comparison with the Moon. <i>Icarus</i> , <b>2020</b> , 351, 113945	3.8	5
213	Ring-Moat Dome Structures (RMDSs) in the Lunar Maria: Statistical, Compositional, and Morphological Characterization and Assessment of Theories of Origin. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE005967	4.1	7
212	Rainfall on Noachian Mars: Nature, timing, and influence on geologic processes and climate history. <i>Icarus</i> , <b>2020</b> , 347, 113782	3.8	13
211	Groundwater Release on Early Mars: Utilizing Models and Proposed Evidence for Groundwater Release to Estimate the Required Climate and Subsurface Water Budget. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087230	4.9	2
210	Magmatic intrusion-related processes in the upper lunar crust: The role of country rock porosity/permeability in magmatic percolation and thermal annealing, and implications for gravity signatures. <i>Planetary and Space Science</i> , <b>2020</b> , 180, 104765	2	3
209	The regolith properties of the Chang'e-5 landing region and the ground drilling experiments using lunar regolith simulants. <i>Icarus</i> , <b>2020</b> , 337, 113508	3.8	19
208	Thermophysical Features of the Riker Region in Northern Oceanus Procellarum: Insights from CE-2 CELMS Data. <i>Remote Sensing</i> , <b>2020</b> , 12, 3272	5	5
207	Erosion of lunar surface rocks by impact processes: A synthesis. <i>Planetary and Space Science</i> , <b>2020</b> , 194, 105105	2	10
206	Rethinking Lunar Mare Basalt Regolith Formation: New Concepts of Lava Flow Protolith and Evolution of Regolith Thickness and Internal Structure. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088334	4.9	13
205	Experimental Investigations on the Effects of Dissolved Gases on the Freezing Dynamics of Ocean Worlds. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006528	4.1	1

204	Stratigraphy of Ice and Ejecta Deposits at the Lunar Poles. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088920	4.9	11
203	Volcanically Induced Transient Atmospheres on the Moon: Assessment of Duration, Significance, and Contributions to Polar Volatile Traps. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089509	4.9	11
202	Quantitative Characterization of Impact Crater Materials on the Moon: Changes in Topographic Roughness and Thermophysical Properties With Age. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006091	4.1	4
201	The environmental effects of very large bolide impacts on early Mars explored with a hierarchy of numerical models. <i>Icarus</i> , <b>2020</b> , 335, 113419	3.8	17
200	Analyzing the ages of south polar craters on the Moon: Implications for the sources and evolution of surface water ice.. <i>Icarus</i> , <b>2020</b> , 336, 113455	3.8	22
199	Venus as a Laboratory for Exoplanetary Science. <i>Journal of Geophysical Research E: Planets</i> , <b>2019</b> , 124, 2015-2028	4.1	35
198	Age constraints of Mercury's polar deposits suggest recent delivery of ice. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 520, 26-33	5.3	12
197	Oceans on Mars: The possibility of a Noachian groundwater-fed ocean in a sub-freezing martian climate. <i>Icarus</i> , <b>2019</b> , 331, 209-225	3.8	4
196	Analyses of Lunar Orbiter Laser Altimeter 1,064-nm Albedo in Permanently Shadowed Regions of Polar Crater Flat Floors: Implications for Surface Water Ice Occurrence and Future In Situ Exploration. <i>Earth and Space Science</i> , <b>2019</b> , 6, 467-488	3.1	12
195	Geological Characterization of the Ina Shield Volcano Summit Pit Crater on the Moon: Evidence for Extrusion of Waning-Stage Lava Lake Magmatic Foams and Anomalously Young Crater Retention Ages. <i>Journal of Geophysical Research E: Planets</i> , <b>2019</b> , 124, 1100-1140	4.1	15
194	Glaciation on Mercury: Accumulation and flow of ice in permanently shadowed circum-polar crater interiors. <i>Icarus</i> , <b>2019</b> , 317, 81-93	3.8	1
193	The volume of water required to carve the martian valley networks: Improved constraints using updated methods. <i>Icarus</i> , <b>2019</b> , 317, 379-387	3.8	12
192	Potential Lunar Base on Mons Malapert: Topographic, Geologic and Trafficability Considerations. <i>Solar System Research</i> , <b>2019</b> , 53, 383-398	0.8	11
191	Searching for Lunar Horizon Glow With the Lunar Orbiter Laser Altimeter. <i>Journal of Geophysical Research E: Planets</i> , <b>2019</b> , 124, 2728-2744	4.1	5
190	A theoretical model for the formation of Ring Moat Dome Structures: Products of second boiling in lunar basaltic lava flows. <i>Journal of Volcanology and Geothermal Research</i> , <b>2019</b> , 374, 160-180	2.8	8
189	Areally Extensive Surface Bedrock Exposures on Mars: Many Are Clastic Rocks, Not Lavas. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1767-1777	4.9	50
188	Transient post-glacial processes on Mars: Geomorphologic evidence for a paraglacial period. <i>Icarus</i> , <b>2018</b> , 309, 187-206	3.8	11
187	Mars Climate History: Insights From Impact Crater Wall Slope Statistics. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1751-1758	4.9	9

186	The Apollo peak-ring impact basin: Insights into the structure and evolution of the South Pole-Aitken basin. <i>Icarus</i> , <b>2018</b> , 306, 139-149	3.8	7
185	Constraining the thickness of polar ice deposits on Mercury using the Mercury Laser Altimeter and small craters in permanently shadowed regions. <i>Icarus</i> , <b>2018</b> , 305, 139-148	3.8	12
184	Lunar floor-fractured craters: Modes of dike and sill emplacement and implications of gas production and intrusion cooling on surface morphology and structure. <i>Icarus</i> , <b>2018</b> , 305, 105-122	3.8	16
183	Geology, tectonism and composition of the northwest Imbrium region. <i>Icarus</i> , <b>2018</b> , 303, 67-90	3.8	17
182	Late Noachian Icy Highlands climate model: Exploring the possibility of transient melting and fluvial/lacustrine activity through peak annual and seasonal temperatures. <i>Icarus</i> , <b>2018</b> , 300, 261-286	3.8	38
181	Venus: The Atmosphere, Climate, Surface, Interior and Near-Space Environment of an Earth-Like Planet. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	40
180	Reexamination of Early Lunar Chronology With GRAIL Data: Terranes, Basins, and Impact Fluxes. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1596-1617	4.1	12
179	Controls on Lunar Basaltic Volcanic Eruption Structure and Morphology: Gas Release Patterns in Sequential Eruption Phases. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5852	4.9	26
178	The role of substrate characteristics in producing anomalously young crater retention ages in volcanic deposits on the Moon: Morphology, topography, subresolution roughness, and mode of emplacement of the Sosigenes lunar irregular mare patch. <i>Meteoritics and Planetary Science</i> , <b>2018</b> , 53, 778-812	2.8	19
177	Impact cratering as a cause of climate change, surface alteration, and resurfacing during the early history of Mars. <i>Meteoritics and Planetary Science</i> , <b>2018</b> , 53, 687-725	2.8	18
176	Testing landslide and atmospheric-effects models for the formation of double-layered ejecta craters on Mars. <i>Meteoritics and Planetary Science</i> , <b>2018</b> , 53, 741-777	2.8	5
175	Early Mars Climate History: Characterizing a Warm and Wet Martian Climate With a 3-D Global Climate Model and Testing Geological Predictions. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,249-10,258	4.9	16
174	Geologic History of the Northern Portion of the South Pole-Aitken Basin on the Moon. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 2585-2612	4.1	17
173	Geology and Scientific Significance of the Rbker Region in Northern Oceanus Procellarum: China's Chang'E-5 Landing Region. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1407-1430	4.1	54
172	Geological Characteristics of Von Krmn Crater, Northwestern South Pole-Aitken Basin: Chang'E-4 Landing Site Region. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1684-1700	4.1	80
171	Lunar Orientale Impact Basin Secondary Craters: Spatial Distribution, Size-Frequency Distribution, and Estimation of Fragment Size. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1344-1367	4.1	14
170	Generation, ascent and eruption of magma on the Moon: New insights into source depths, magma supply, intrusions and effusive/explosive eruptions (Part 1: Theory). <i>Icarus</i> , <b>2017</b> , 283, 146-175	3.8	84
169	Generation, ascent and eruption of magma on the Moon: New insights into source depths, magma supply, intrusions and effusive/explosive eruptions (Part 2: Predicted emplacement processes and observations). <i>Icarus</i> , <b>2017</b> , 283, 176-223	3.8	93

168	Geological mapping of impact melt deposits at lunar complex craters Jackson and Tycho: Morphologic and topographic diversity and relation to the cratering process. <i>Icarus</i> , <b>2017</b> , 283, 268-281	3.8	12
167	Transient reducing greenhouse warming on early Mars. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 665-671	4.9	137
166	Salt or ice diapirism origin for the honeycomb terrain in Hellas basin, Mars?: Implications for the early martian climate. <i>Icarus</i> , <b>2017</b> , 284, 249-263	3.8	10
165	Thermal stress weathering and the spalling of Antarctic rocks. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2017</b> , 122, 3-24	3.8	27
164	3D modelling of the climatic impact of outflow channel formation events on early Mars. <i>Icarus</i> , <b>2017</b> , 288, 10-36	3.8	30
163	Eruption of magmatic foams on the Moon: Formation in the waning stages of dike emplacement events as an explanation of "irregular mare patches" <i>Journal of Volcanology and Geothermal Research</i> , <b>2017</b> , 335, 113-127	2.8	33
162	Evidence for stabilization of the ice-cemented cryosphere in earlier martian history: Implications for the current abundance of groundwater at depth on Mars. <i>Icarus</i> , <b>2017</b> , 288, 120-147	3.8	23
161	Extensive Amazonian-aged fluvial channels on Mars: Evaluating the role of Lyot crater in their formation. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5336-5344	4.9	7
160	GRAIL gravity observations of the transition from complex crater to peak-ring basin on the Moon: Implications for crustal structure and impact basin formation. <i>Icarus</i> , <b>2017</b> , 292, 54-73	3.8	12
159	Ina pit crater on the Moon: Extrusion of waning-stage lava lake magmatic foam results in extremely young crater retention ages. <i>Geology</i> , <b>2017</b> , 45, 455-458	5	32
158	Model for the origin, ascent, and eruption of lunar picritic magmas. <i>American Mineralogist</i> , <b>2017</b> , 102, 2045-2053	2.9	21
157	New evidence for surface water ice in small-scale cold traps and in three large craters at the north polar region of Mercury from the Mercury Laser Altimeter. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9233-9241	4.9	21
156	Newly Discovered Ring-Moat Dome Structures in the Lunar Maria: Possible Origins and Implications. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9216-9224	4.9	10
155	Basin formation on Mercury: Caloris and the origin of its low-reflectance material. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 474, 427-435	5.3	6
154	Low-amplitude topographic features and textures on the Moon: Initial results from detrended Lunar Orbiter Laser Altimeter (LOLA) topography. <i>Icarus</i> , <b>2017</b> , 283, 138-145	3.8	11
153	Summary of the results from the lunar orbiter laser altimeter after seven years in lunar orbit. <i>Icarus</i> , <b>2017</b> , 283, 70-91	3.8	70
152	Recent shallow moonquake and impact-triggered boulder falls on the Moon: New insights from the Schrödinger basin. <i>Journal of Geophysical Research E: Planets</i> , <b>2016</b> , 121, 147-179	4.1	37
151	Formation of the Orientale lunar multiring basin. <i>Science</i> , <b>2016</b> , 354, 441-444	33.3	41



150	Did the Orientale impact melt sheet undergo large-scale igneous differentiation by crystal settling?. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,156	4.9	15
149	The steepest slopes on the Moon from Lunar Orbiter Laser Altimeter (LOLA) Data: Spatial Distribution and Correlation with Geologic Features. <i>Icarus</i> , <b>2016</b> , 273, 329-336	3.8	19
148	Insights into surface runoff on early Mars from paleolake basin morphology and stratigraphy. <i>Geology</i> , <b>2016</b> , 44, 419-422	5	50
147	Impact ejecta-induced melting of surface ice deposits on Mars. <i>Icarus</i> , <b>2016</b> , 280, 205-233	3.8	13
146	Thicknesses of mare basalts on the Moon from gravity and topography. <i>Journal of Geophysical Research E: Planets</i> , <b>2016</b> , 121, 854-870	4.1	32
145	Comparison of areas in shadow from imaging and altimetry in the north polar region of Mercury and implications for polar ice deposits. <i>Icarus</i> , <b>2016</b> , 280, 158-171	3.8	27
144	Martian surface/near-surface water inventory: Sources, sinks, and changes with time. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 726-732	4.9	98
143	Classification and analysis of candidate impact crater-hosted closed-basin lakes on Mars. <i>Icarus</i> , <b>2015</b> , 260, 346-367	3.8	63
142	Late Noachian and early Hesperian ridge systems in the south circumpolar Dorsa Argentea Formation, Mars: Evidence for two stages of melting of an extensive late Noachian ice sheet. <i>Planetary and Space Science</i> , <b>2015</b> , 109-110, 1-20	2	29
141	Evidence for geochemical terranes on Mercury: Global mapping of major elements with MESSENGER's X-Ray Spectrometer. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 416, 109-120	5.3	132
140	Late Noachian fluvial erosion on Mars: Cumulative water volumes required to carve the valley networks and grain size of bed-sediment. <i>Planetary and Space Science</i> , <b>2015</b> , 117, 429-435	2	21
139	Crater degradation in the Noachian highlands of Mars: Assessing the hypothesis of regional snow and ice deposits on a cold and icy early Mars. <i>Planetary and Space Science</i> , <b>2015</b> , 117, 401-420	2	16
138	Lunar floor-fractured craters as magmatic intrusions: Geometry, modes of emplacement, associated tectonic and volcanic features, and implications for gravity anomalies. <i>Icarus</i> , <b>2015</b> , 248, 424-447	3.8	52
137	Lunar cryptomaria: Physical characteristics, distribution, and implications for ancient volcanism. <i>Icarus</i> , <b>2015</b> , 247, 150-171	3.8	55
136	Comparison of warm and wet and cold and icy scenarios for early Mars in a 3-D climate model. <i>Journal of Geophysical Research E: Planets</i> , <b>2015</b> , 120, 1201-1219	4.1	126
135	The fractured Moon: Production and saturation of porosity in the lunar highlands from impact cratering. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6939-6944	4.9	45
134	Active volcanism on Venus in the Ganiki Chasma rift zone. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4762-4769	4.9	80
133	Lunar impact basins revealed by Gravity Recovery and Interior Laboratory measurements. <i>Science Advances</i> , <b>2015</b> , 1, e1500852	14.3	108

132	Lunar cryptomaria: Mineralogy and composition of ancient volcanic deposits. <i>Planetary and Space Science</i> , <b>2015</b> , 106, 67-81	2	31
131	Glaciation in the Late Noachian Icy Highlands: Ice accumulation, distribution, flow rates, basal melting, and top-down melting rates and patterns. <i>Planetary and Space Science</i> , <b>2015</b> , 106, 82-98	2	70
130	Images of surface volatiles in Mercury's polar craters acquired by the MESSENGER spacecraft. <i>Geology</i> , <b>2014</b> , 42, 1051-1054	5	55
129	Structure and evolution of the lunar Procellarum region as revealed by GRAIL gravity data. <i>Nature</i> , <b>2014</b> , 514, 68-71	50.4	62
128	Impact melt differentiation in the South Pole-Aitken basin: Some observations and speculations. <i>Planetary and Space Science</i> , <b>2014</b> , 91, 101-106	2	71
127	Comparisons of fresh complex impact craters on Mercury and the Moon: Implications for controlling factors in impact excavation processes. <i>Icarus</i> , <b>2014</b> , 228, 260-275	3.8	30
126	Formation of lobate debris aprons on Mars: Assessment of regional ice sheet collapse and debris-cover armoring. <i>Icarus</i> , <b>2014</b> , 228, 54-63	3.8	48
125	The climate history of early Mars: insights from the Antarctic McMurdo Dry Valleys hydrologic system. <i>Antarctic Science</i> , <b>2014</b> , 26, 774-800	1.7	71
124	Time-Lapse Imaging in Polar Environments. <i>Eos</i> , <b>2014</b> , 95, 417-418	1.5	1
123	Cold-based debris-covered glaciers: Evaluating their potential as climate archives through studies of ground-penetrating radar and surface morphology. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2014</b> , 119, 2505-2540	3.8	28
122	The global albedo of the Moon at 1064 nm from LOLA. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 1665-1679	4.1	65
121	The geologic evolution of Venus: Insights into Earth history. <i>Geology</i> , <b>2014</b> , 42, 95-96	5	10
120	Episodic warming of early Mars by punctuated volcanism. <i>Nature Geoscience</i> , <b>2014</b> , 7, 865-868	18.3	128
119	An extended period of episodic northern mid-latitude glaciation on Mars during the Middle to Late Amazonian: Implications for long-term obliquity history. <i>Geology</i> , <b>2014</b> , 42, 763-766	5	35
118	Amazonian mid- to high-latitude glaciation on Mars: Supply-limited ice sources, ice accumulation patterns, and concentric crater fill glacial flow and ice sequestration. <i>Planetary and Space Science</i> , <b>2014</b> , 91, 60-76	2	39
117	Formation of double-layered ejecta craters on Mars: A glacial substrate model. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3819-3824	4.9	35
116	Lunar sinuous rilles: Distribution, characteristics, and implications for their origin. <i>Planetary and Space Science</i> , <b>2013</b> , 79-80, 1-38	2	74
115	Detecting volcanic resurfacing of heavily cratered terrain: Flooding simulations on the Moon using Lunar Orbiter Laser Altimeter (LOLA) data. <i>Planetary and Space Science</i> , <b>2013</b> , 85, 24-37	2	19



114	Large mineralogically distinct impact melt feature at Copernicus crater [Evidence for retention of compositional heterogeneity. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1043-1048	4.9	15
113	Lunar topographic roughness maps from Lunar Orbiter Laser Altimeter (LOLA) data: Scale dependence and correlation with geologic features and units. <i>Icarus</i> , <b>2013</b> , 226, 52-66	3.8	71
112	Geology and petrology of enormous volumes of impact melt on the Moon: A case study of the Orientale basin impact melt sea. <i>Icarus</i> , <b>2013</b> , 223, 749-765	3.8	93
111	A review of geomorphic processes and landforms in the Dry Valleys of southern Victoria Land: implications for evaluating climate change and ice-sheet stability. <i>Geological Society Special Publication</i> , <b>2013</b> , 381, 319-352	1.7	13
110	An overfilled lacustrine system and progradational delta in Jezero crater, Mars: Implications for Noachian climate. <i>Planetary and Space Science</i> , <b>2012</b> , 67, 28-45	2	91
109	Lunar impact basins: Stratigraphy, sequence and ages from superposed impact crater populations measured from Lunar Orbiter Laser Altimeter (LOLA) data. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		92
108	New observational evidence of global seismic effects of basin-forming impacts on the Moon from Lunar Reconnaissance Orbiter Lunar Orbiter Laser Altimeter data. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		26
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