

# Scott M McLennan

## List of Publications by Citations

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205  
papers

25,319  
citations

79  
h-index

158  
g-index

216  
ext. papers

28,572  
ext. citations

12.9  
avg, IF

6.75  
L-index

#	Paper	IF	Citations
205	The geochemical evolution of the continental crust. <i>Reviews of Geophysics</i> , <b>1995</b> , 33, 241	23.1	2732
204	Relationships between the trace element composition of sedimentary rocks and upper continental crust. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2001</b> , 2, n/a-n/a	3.6	1161
203	Geochemical approaches to sedimentation, provenance, and tectonics. <i>Special Paper of the Geological Society of America</i> , <b>1993</b> , 21-40		907
202	Geochemical and Nd?Sr isotopic composition of deep-sea turbidites: Crustal evolution and plate tectonic associations. <i>Geochimica Et Cosmochimica Acta</i> , <b>1990</b> , 54, 2015-2050	5.5	769
201	Weathering and Global Denudation. <i>Journal of Geology</i> , <b>1993</b> , 101, 295-303	2	766
200	In situ evidence for an ancient aqueous environment at Meridiani Planum, Mars. <i>Science</i> , <b>2004</b> , 306, 1709-1714	33.3	693
199	Chapter 7. RARE EARTH ELEMENTS IN SEDIMENTARY ROCKS: INFLUENCE OF PROVENANCE AND SEDIMENTARY PROCESSES <b>1989</b> , 169-200		625
198	Sedimentary Rocks and Crustal Evolution: Tectonic Setting and Secular Trends. <i>Journal of Geology</i> , <b>1991</b> , 99, 1-21	2	545
197	A habitable fluvio-lacustrine environment at Yellowknife Bay, Gale crater, Mars. <i>Science</i> , <b>2014</b> , 343, 1242-1247	33.3	536
196	Effects of Chemical Weathering and Sorting on the Petrogenesis of Siliciclastic Sediments, with Implications for Provenance Studies. <i>Journal of Geology</i> , <b>1996</b> , 104, 525-542	2	476
195	Provenance and diagenesis of the evaporite-bearing Burns formation, Meridiani Planum, Mars. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 95-121	5.3	425
194	Stratigraphy and sedimentology of a dry to wet eolian depositional system, Burns formation, Meridiani Planum, Mars. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 11-72	5.3	424
193	The Opportunity Rover's Athena science investigation at Meridiani Planum, Mars. <i>Science</i> , <b>2004</b> , 306, 1698-703	33.3	421
192	Geochemistry of loess, continental crustal composition and crustal model ages. <i>Geochimica Et Cosmochimica Acta</i> , <b>1983</b> , 47, 1897-1905	5.5	403
191	Deposition, exhumation, and paleoclimate of an ancient lake deposit, Gale crater, Mars. <i>Science</i> , <b>2015</b> , 350, aac7575	33.3	358
190	The Spirit Rover's Athena Science Investigation at Gusev Crater, Mars. <i>Science</i> , <b>2004</b> , 305, 794-799	33.3	358
189	Mineralogy of a mudstone at Yellowknife Bay, Gale crater, Mars. <i>Science</i> , <b>2014</b> , 343, 1243-1248	33.3	344

188	Mars' surface radiation environment measured with the Mars Science Laboratory's Curiosity rover. <i>Science</i> , <b>2014</b> , 343, 1244797	33.3	343
187	Detection of silica-rich deposits on Mars. <i>Science</i> , <b>2008</b> , 320, 1063-7	33.3	330
186	Volatile, isotope, and organic analysis of martian fines with the Mars Curiosity rover. <i>Science</i> , <b>2013</b> , 341, 1238937	33.3	306
185	An integrated view of the chemistry and mineralogy of martian soils. <i>Nature</i> , <b>2005</b> , 436, 49-54	50.4	299
184	Chemistry and mineralogy of outcrops at Meridiani Planum. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 73-94	5.3	298
183	Volatile and organic compositions of sedimentary rocks in Yellowknife Bay, Gale crater, Mars. <i>Science</i> , <b>2014</b> , 343, 1245267	33.3	277
182	Martian fluvial conglomerates at Gale crater. <i>Science</i> , <b>2013</b> , 340, 1068-72	33.3	269
181	Abundance and isotopic composition of gases in the martian atmosphere from the Curiosity rover. <i>Science</i> , <b>2013</b> , 341, 263-6	33.3	265
180	Rare earth element-thorium correlations in sedimentary rocks, and the composition of the continental crust. <i>Geochimica Et Cosmochimica Acta</i> , <b>1980</b> , 44, 1833-1839	5.5	261
179	Geochemistry of Archean shales from the Pilbara Supergroup, Western Australia. <i>Geochimica Et Cosmochimica Acta</i> , <b>1983</b> , 47, 1211-1222	5.5	227
178	Curiosity at Gale crater, Mars: characterization and analysis of the Rocknest sand shadow. <i>Science</i> , <b>2013</b> , 341, 1239505	33.3	222
177	X-ray diffraction results from Mars Science Laboratory: mineralogy of Rocknest at Gale crater. <i>Science</i> , <b>2013</b> , 341, 1238932	33.3	217
176	Water alteration of rocks and soils on Mars at the Spirit rover site in Gusev crater. <i>Nature</i> , <b>2005</b> , 436, 66-9	50.4	215
175	Geochemical Constraints on the Growth of the Continental Crust. <i>Journal of Geology</i> , <b>1982</b> , 90, 347-361	2	210
174	Elemental geochemistry of sedimentary rocks at Yellowknife Bay, Gale crater, Mars. <i>Science</i> , <b>2014</b> , 343, 1244734	33.3	205
173	Overview of the Spirit Mars Exploration Rover Mission to Gusev Crater: Landing site to Backstay Rock in the Columbia Hills. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		198
172	Early Proterozoic crustal evolution: Geochemical and NdPb isotopic evidence from metasedimentary rocks, southwestern North America. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 1153-1177	5.5	197
171	Geochemical modeling of evaporation processes on Mars: Insight from the sedimentary record at Meridiani Planum. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 122-148	5.3	196

170	Water activity and the challenge for life on early Mars. <i>Science</i> , <b>2008</b> , 320, 1204-7	33.3	187
169	Soil diversity and hydration as observed by ChemCam at Gale crater, Mars. <i>Science</i> , <b>2013</b> , 341, 1238670	33.3	185
168	In situ radiometric and exposure age dating of the martian surface. <i>Science</i> , <b>2014</b> , 343, 1247166	33.3	176
167	Geochemistry and provenance of the Middle Ordovician Austin Glen Member (Normanskill Formation) and the Taconian Orogeny in New England. <i>Sedimentology</i> , <b>1998</b> , 45, 635-655	3.3	173
166	Large ion lithophile elements in rocks from high-pressure granulite facies terrains. <i>Geochimica Et Cosmochimica Acta</i> , <b>1985</b> , 49, 1645-1655	5.5	172
165	Acid-sulfate weathering of synthetic Martian basalt: The acid fog model revisited. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		164
164	Redox stratification of an ancient lake in Gale crater, Mars. <i>Science</i> , <b>2017</b> , 356,	33.3	156
163	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , <b>2020</b> , 13, 183-189	18.3	155
162	Ancient impact and aqueous processes at Endeavour Crater, Mars. <i>Science</i> , <b>2012</b> , 336, 570-6	33.3	153
161	Geochemical evolution of Archean shales from South Africa. I. The Swaziland and Pongola Supergroups. <i>Precambrian Research</i> , <b>1983</b> , 22, 93-124	3.9	153
160	Two years at Meridiani Planum: results from the Opportunity Rover. <i>Science</i> , <b>2006</b> , 313, 1403-7	33.3	152
159	Rare earth element geochemistry and the tetrad effect. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 2025-2033	5.5	150
158	Th and U in sedimentary rocks: crustal evolution and sedimentary recycling. <i>Nature</i> , <b>1980</b> , 285, 621-624	50.4	147
157	Rare earth element patterns in Archean high-grade metasediments and their tectonic significance. <i>Geochimica Et Cosmochimica Acta</i> , <b>1986</b> , 50, 2267-2279	5.5	144
156	Pancam multispectral imaging results from the Spirit Rover at Gusev Crater. <i>Science</i> , <b>2004</b> , 305, 800-6	33.3	141
155	In situ and experimental evidence for acidic weathering of rocks and soils on Mars. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		140
154	Ancient aqueous environments at Endeavour crater, Mars. <i>Science</i> , <b>2014</b> , 343, 1248097	33.3	132
153	Soils of Eagle crater and Meridiani Planum at the Opportunity Rover landing site. <i>Science</i> , <b>2004</b> , 306, 1723-6	33.3	130

152	Evidence from Opportunity's Microscopic Imager for water on Meridiani Planum. <i>Science</i> , <b>2004</b> , 306, 1723-1730	33.3	128
151	A ~3.5 Ga record of water-limited, acidic weathering conditions on Mars. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 260, 432-443	5.3	123
150	Overview of the Opportunity Mars Exploration Rover Mission to Meridiani Planum: Eagle Crater to Purgatory Ripple. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		123
149	Textures of the Soils and Rocks at Gusev Crater from Spirit's Microscopic Imager. <i>Science</i> , <b>2004</b> , 305, 824-826	33.3	119
148	Samarium/neodymium elemental and isotopic systematics in sedimentary rocks. <i>Geochimica Et Cosmochimica Acta</i> , <b>1992</b> , 56, 887-898	5.5	116
147	The petrochemistry of Jake_M: a martian mugearite. <i>Science</i> , <b>2013</b> , 341, 1239-1243	33.3	114
146	Exploration of Victoria crater by the Mars rover Opportunity. <i>Science</i> , <b>2009</b> , 324, 1058-61	33.3	112
145	Gusev crater: Wind-related features and processes observed by the Mars Exploration Rover Spirit. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		112
144	Rare earth element mobility associated with uranium mineralisation. <i>Nature</i> , <b>1979</b> , 282, 247-250	50.4	111
143	Pancam multispectral imaging results from the Opportunity Rover at Meridiani Planum. <i>Science</i> , <b>2004</b> , 306, 1703-9	33.3	107
142	Sulfur on Mars. <i>Elements</i> , <b>2010</b> , 6, 107-112	3.8	104
141	An astrobiological perspective on Meridiani Planum. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 179-189	33.3	99
140	Resetting of neodymium isotopes and redistribution of REEs during sedimentary processes: The Early Proterozoic Chelmsford Formation, Sudbury Basin, Ontario, Canada. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 931-941	5.5	97
139	Geochemistry of Archean metasedimentary rocks from West Greenland. <i>Geochimica Et Cosmochimica Acta</i> , <b>1984</b> , 48, 1-13	5.5	95
138	Rare earth element redistribution and its effects on the neodymium isotope system in the Austin Glen Member of the Normanskill Formation, New York, USA. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 5245-5253	5.5	93
137	Chemical divides and evaporite assemblages on Mars. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 21-31	5.3	92
136	Sedimentary silica on Mars. <i>Geology</i> , <b>2003</b> , 31, 315	5	92
135	Mineralogy of the light-toned outcrop at Meridiani Planum as seen by the Miniature Thermal Emission Spectrometer and implications for its formation. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		91

134	Recalibration of the Mars Science Laboratory ChemCam instrument with an expanded geochemical database. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2017</b> , 129, 64-85	3.1	90
133	Wind-related processes detected by the Spirit Rover at Gusev Crater, Mars. <i>Science</i> , <b>2004</b> , 305, 810-3	33.3	89
132	Rare earth elements in Huronian (Lower Proterozoic) sedimentary rocks: Composition and evolution of the post-Kenoran upper crust. <i>Geochimica Et Cosmochimica Acta</i> , <b>1979</b> , 43, 375-388	5.5	89
131	Geochemical diversity in first rocks examined by the Curiosity Rover in Gale Crater: Evidence for and significance of an alkali and volatile-rich igneous source. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 64-81	4.1	87
130	Geochemical Reservoirs and Timing of Sulfur Cycling on Mars. <i>Space Science Reviews</i> , <b>2013</b> , 174, 251-300	7.5	83
129	Light-toned salty soils and coexisting Si-rich species discovered by the Mars Exploration Rover Spirit in Columbia Hills. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		83
128	Heat Flow and the Chemical Composition of Continental Crust. <i>Journal of Geology</i> , <b>1996</b> , 104, 369-377	2	82
127	Mars sedimentary geology: key concepts and outstanding questions. <i>Astrobiology</i> , <b>2011</b> , 11, 77-87	3.7	80
126	Spirit Mars Rover Mission to the Columbia Hills, Gusev Crater: Mission overview and selected results from the Cumberland Ridge to Home Plate. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		78
125	Pb isotope compositions of modern deep sea turbidites. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 184, 489-503	5.3	77
124	Oxidation of manganese in an ancient aquifer, Kimberley formation, Gale crater, Mars. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7398-7407	4.9	76
123	Opportunity Mars Rover mission: Overview and selected results from Purgatory ripple to traverses to Endeavour crater. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		74
122	Detrital Zircon Geochronology of Taconian and Acadian Foreland Sedimentary Rocks in New England. <i>Journal of Sedimentary Research</i> , <b>2001</b> , 71, 305-317	2.1	73
121	Trace element geochemistry (Li, Ba, Sr, and Rb) using Curiosity's ChemCam: Early results for Gale crater from Bradbury Landing Site to Rocknest. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 255-285	4.1	71
120	Effects of sedimentary sorting on neodymium isotopes in deep-sea turbidites. <i>Nature</i> , <b>1989</b> , 337, 547-549	9.4	69
119	Planetary Crusts: Their Composition, Origin and Evolution <b>2008</b> ,		68
118	Chemical relationships among irghizites, zhamanshinites, Australasian tektites and Henbury impact glasses. <i>Geochimica Et Cosmochimica Acta</i> , <b>1979</b> , 43, 1551-1565	5.5	66
117	Geochemistry of the Archean Yellowknife Supergroup. <i>Geochimica Et Cosmochimica Acta</i> , <b>1981</b> , 45, 1111-1129	15.29	64

116	The SuperCam Instrument Suite on the NASA Mars 2020 Rover: Body Unit and Combined System Tests. <i>Space Science Reviews</i> , <b>2021</b> , 217, 4	7.5	64
115	Geochemical and Nd/Pb Isotopic Evidence for the Provenance of the Early Proterozoic Virginia Formation, Minnesota. Implications for the Tectonic Setting of the Animikie Basin. <i>Journal of Geology</i> , <b>1995</b> , 103, 147-168	2	61
114	Constraints on abundance, composition, and nature of X-ray amorphous components of soils and rocks at Gale crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 2640-2657	4.1	59
113	Martian surface heat production and crustal heat flow from Mars Odyssey Gamma-Ray spectrometry. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	56
112	Production of hydrogen peroxide in Martian and lunar soils. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 255, 41-52	5.3	56
111	Nickel on Mars: Constraints on meteoritic material at the surface. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		56
110	The potassic sedimentary rocks in Gale Crater, Mars, as seen by ChemCam on board Curiosity. <i>Journal of Geophysical Research E: Planets</i> , <b>2016</b> , 121, 784-804	4.1	55
109	Fe oxidation processes at Meridiani Planum and implications for secondary Fe mineralogy on Mars. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		55
108	Thickness and structure of the martian crust from InSight seismic data. <i>Science</i> , <b>2021</b> , 373, 438-443	33.3	54
107	Continental freeboard, sedimentation rates and growth of continental crust. <i>Nature</i> , <b>1983</b> , 306, 169-172	50.4	51
106	Sorting out compositional trends in sedimentary rocks of the Bradbury group (Aeolis Palus), Gale crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , <b>2017</b> , 122, 295-328	4.1	50
105	Improved accuracy in quantitative laser-induced breakdown spectroscopy using sub-models. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2017</b> , 129, 49-57	3.1	50
104	Sulfur-bearing phases detected by evolved gas analysis of the Rocknest aeolian deposit, Gale Crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 373-393	4.1	50
103	Crustal heat production and the thermal evolution of Mars. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4019-4022	4.022	50
102	Mineralogic controls on REE mobility during black-shale diagenesis. <i>Journal of Sedimentary Research</i> , <b>1999</b> , 69, 1071-1082	2.1	49
101	Veneers, rinds, and fracture fills: Relatively late alteration of sedimentary rocks at Meridiani Planum, Mars. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		48
100	Recycling of the continental crust. <i>Pure and Applied Geophysics</i> , <b>1988</b> , 128, 683-724	2.2	48
99	A lower crustal origin for massif-type anorthosites. <i>Nature</i> , <b>1984</b> , 311, 372-374	50.4	48

98	Visible and near-infrared multispectral analysis of rocks at Meridiani Planum, Mars, by the Mars Exploration Rover Opportunity. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		46
97	Composition of conglomerates analyzed by the Curiosity rover: Implications for Gale Crater crust and sediment sources. <i>Journal of Geophysical Research E: Planets</i> , <b>2016</b> , 121, 353-387	4.1	46
96	The potential science and engineering value of samples delivered to Earth by Mars sample return. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, S3-S152	2.8	45
95	Chapter 79 The significance of the rare earths in geochemistry and cosmochemistry. <i>Fundamental Theories of Physics</i> , <b>1988</b> , 11, 485-578	0.8	45
94	Upper mantle structure of Mars from InSight seismic data. <i>Science</i> , <b>2021</b> , 373, 434-438	33.3	45
93	Nd and Pb isotopic evidence for provenance and post-depositional alteration of the Paleoproterozoic Huronian Supergroup, Canada. <i>Precambrian Research</i> , <b>2000</b> , 102, 263-278	3.9	43
92	Experimental epithermal alteration of synthetic Los Angeles meteorite: Implications for the origin of Martian soils and identification of hydrothermal sites on Mars. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		42
91	A petrographic approach for evaluating trace-element mobility in a black shale. <i>Journal of Sedimentary Research</i> , <b>1998</b> , 68, 970-980	2.1	41
90	The sedimentary rock cycle of Mars 541-577		40
89	High concentrations of manganese and sulfur in deposits on Murray Ridge, Endeavour Crater, Mars. <i>American Mineralogist</i> , <b>2016</b> , 101, 1389-1405	2.9	40
88	The Sedimentary Cycle on Early Mars. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2019</b> , 47, 91-118	15.3	39
87	Large sulfur isotope fractionations in Martian sediments at Gale crater. <i>Nature Geoscience</i> , <b>2017</b> , 10, 658-662	18.3	38
86	The SuperCam Instrument Suite on the Mars 2020 Rover: Science Objectives and Mast-Unit Description. <i>Space Science Reviews</i> , <b>2021</b> , 217, 1	7.5	37
85	Classification scheme for sedimentary and igneous rocks in Gale crater, Mars. <i>Icarus</i> , <b>2017</b> , 284, 1-17	3.8	36
84	chemical composition of martian soil and rocks: Complex mixing and sedimentary transport. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1335-1338	4.9	36
83	Chemically striking regions on Mars and Stealth revisited. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		35
82	Variations in K/Th on Mars. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		35
81	Large-ion lithophile element fractionation during the early differentiation of Mars and the composition of the martian primitive mantle. <i>Meteoritics and Planetary Science</i> , <b>2003</b> , 38, 895-904	2.8	35



80	On the geochemical evolution of sedimentary rocks. <i>Chemical Geology</i> , <b>1982</b> , 37, 335-350	4.2	35
79	The geochemistry of the carbonate-rich Espanola Formation (Huronian) with emphasis on the rare earth elements. <i>Canadian Journal of Earth Sciences</i> , <b>1979</b> , 16, 230-239	1.5	35
78	Smectite deposits in Marathon Valley, Endeavour Crater, Mars, identified using CRISM hyperspectral reflectance data. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4885-4892	4.9	32
77	Chemical alteration of fine-grained sedimentary rocks at Gale crater. <i>Icarus</i> , <b>2019</b> , 321, 619-631	3.8	31
76	Hematite spherules at Meridiani: Results from MI, Mini-TES, and Pancam. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		29
75	Geochemical standards for sedimentary rocks: Trace-element data for U.S.G.S. standards SCo-1, MAG-1 and SGR-1. <i>Chemical Geology</i> , <b>1980</b> , 29, 333-343	4.2	29
74	K and Cl concentrations on the Martian surface determined by the Mars Odyssey Gamma Ray Spectrometer: Implications for bulk halogen abundances in Mars. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	27
73	Application of the Pitzer ion interaction model to isopiestic data for the $\text{Fe}_2(\text{SO}_4)_3 \cdot 2\text{SO}_4 \cdot 2\text{H}_2\text{O}$ system at 298.15 and 323.15K. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 2680-2698	5.5	27
72	Stability and fate of ferrihydrite during episodes of water/rock interactions on early Mars: An experimental approach. <i>Journal of Geophysical Research E: Planets</i> , <b>2017</b> , 122, 358-382	4.1	26
71	Mars Reconnaissance Orbiter and Opportunity observations of the Burns formation: Crater hopping at Meridiani Planum. <i>Journal of Geophysical Research E: Planets</i> , <b>2015</b> , 120, 429-451	4.1	26
70	Sulfates hydrating bulk soil in the Martian low and middle latitudes. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7987-7996	4.9	26
69	Physicochemical properties of concentrated Martian surface waters. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		26
68	Mars Odyssey Gamma Ray Spectrometer elemental abundances and apparent relative surface age: Implications for Martian crustal evolution. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		24
67	The Spirit Rover's Athena science investigation at Gusev Crater, Mars. <i>Science</i> , <b>2004</b> , 305, 794-9	33.3	24
66	Sediments and Soils: Chemistry and Abundances. <i>AGU Reference Shelf</i> , <b>2013</b> , 8-19		23
65	Surface processes recorded by rocks and soils on Meridiani Planum, Mars: Microscopic Imager observations during Opportunity's first three extended missions. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		23
64	Mixing relationships and the effects of secondary alteration in the Wishstone and Watchtower Classes of Husband Hill, Gusev Crater, Mars. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		22
63	Archaean Sedimentary Rocks and Their Relation to the Composition of the Archaean Continental Crust <b>1984</b> , 47-72		22

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