Glynis M Perrett

List of Publications by Year
in descending order

21 papers	3,746 citations	471061 17 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	2645 citing authors

#	Article	IF	Citations
1	Dusty Rocks in Gale Crater: Assessing Areal Coverage and Separating Dust and Rock Contributions in APXS Analyses. Journal of Geophysical Research E: Planets, 2018, 123, 1649-1673.	1.5	25
2	Combined X-ray diffraction and alpha particle X-ray spectrometer analysis of geologic materials. X-Ray Spectrometry, 2017, 46, 171-179.	0.9	6
3	APXSâ€derived chemistry of the Bagnold dune sands: Comparisons with Gale Crater soils and the global Martian average. Journal of Geophysical Research E: Planets, 2017, 122, 2623-2643.	1.5	62
4	Zinc and germanium in the sedimentary rocks of Gale Crater on Mars indicate hydrothermal enrichment followed by diagenetic fractionation. Journal of Geophysical Research E: Planets, 2017, 122, 1747-1772.	1.5	42
5	Potassiumâ€rich sandstones within the Gale impact crater, Mars: The APXS perspective. Journal of Geophysical Research E: Planets, 2016, 121, 1981-2003.	1.5	51
6	A global Mars dust composition refined by the Alphaâ€Particle Xâ€ray Spectrometer in Gale Crater. Geophysical Research Letters, 2016, 43, 67-75.	1.5	95
7	Refinement of the Comptonâ€“Rayleigh scatter ratio method for use on the Mars Science Laboratory alpha particle X-ray spectrometer: II â€“ Extraction of invisible element content. Nuclear Instruments & Methods in Physics Research B, 2016, 368, 129-137.	0.6	7
8	Trace element geochemistry (Li, Ba, Sr, and Rb) using Curiosity's ChemCam: Early results for Gale crater from Bradbury Landing Site to Rocknest. Journal of Geophysical Research E: Planets, 2014, 119, 255-285.	1.5	86
9	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	6.0	323
10	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	6.0	687
11	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	6.0	508
12	In Situ Radiometric and Exposure Age Dating of the Martian Surface. Science, 2014, 343, 1247166.	6.0	224
13	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	6.0	246
14	Geochemical diversity in first rocks examined by the Curiosity Rover in Gale Crater: Evidence for and significance of an alkali and volatileâ€rich igneous source. Journal of Geophysical Research E: Planets, 2014, 119, 64-81.	1.5	113
15	MSL-APXS titanium observation tray measurements: Laboratory experiments and results for the Rocknest fines at theCuriosityfield site in Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2014, 119, 1046-1060.	1.5	13
16	Quantitative determination of mineral phase effects observed in APXS analyses of geochemical reference materials. X-Ray Spectrometry, 2014, 43, 359-366.	0.9	5
17	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	6.0	327
18	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	6.0	280

#	Article	IF	Citations
19	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	6.0	326
20	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	6.0	215
21	Calibration of the Mars Science Laboratory Alpha Particle X-ray Spectrometer. Space Science Reviews, 2012, 170, 319-340.	3.7	105