

# Samuel Teinturier

## List of Publications by Year in descending order

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33  
papers

6,199  
citations

304368

22  
h-index

454577

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

4137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Calcium Perchlorate on the Search for Organics on Mars with Tetramethylammonium Hydroxide Thermochemolysis. <i>Astrobiology</i> , 2021, 21, 279-297.	1.5	10
2	Day-night differences in Mars methane suggest nighttime containment at Gale crater. <i>Astronomy and Astrophysics</i> , 2021, 650, A166.	2.1	22
3	Influence of Calcium Perchlorate on the Search for Martian Organic Compounds with MTBSTFA/DMF Derivatization. <i>Astrobiology</i> , 2021, 21, 1137-1156.	1.5	6
4	First Detections of Dichlorobenzene Isomers and Trichloromethylpropane from Organic Matter Indigenous to Mars Mudstone in Gale Crater, Mars: Results from the Sample Analysis at Mars Instrument Onboard the Curiosity Rover. <i>Astrobiology</i> , 2020, 20, 292-306.	1.5	50
5	The search for organic compounds with TMAH thermochemolysis: From Earth analyses to space exploration experiments. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115896.	5.8	18
6	Benzoic Acid as the Preferred Precursor for the Chlorobenzene Detected on Mars: Insights from the Unique Cumberland Analog Investigation. <i>Planetary Science Journal</i> , 2020, 1, 41.	1.5	12
7	Role of the TenaxÂ® Adsorbent in the Interpretation of the EGA and GCâ€MS Analyses Performed With the Sample Analysis at Mars in Gale Crater. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2819-2851.	1.5	13
8	Performance of the SAM gas chromatographic columns under simulated flight operating conditions for the analysis of chlorohydrocarbons on Mars. <i>Journal of Chromatography A</i> , 2019, 1598, 183-195.	1.8	7
9	Operations of the Sample Analysis at Mars instrument suite onboard the Curiosity rover. , ,		0
10	In situ analysis of martian regolith with the SAM experiment during the first mars year of the MSL mission: Identification of organic molecules by gas chromatography from laboratory measurements. <i>Planetary and Space Science</i> , 2016, 129, 88-102.	0.9	27
11	Organic molecules in the Sheepbed Mudstone, Gale Crater, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 495-514.	1.5	375
12	Evidence for indigenous nitrogen in sedimentary and aeolian deposits from the <i>Curiosity</i> rover investigations at Gale crater, Mars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4245-4250.	3.3	172
13	Mars methane detection and variability at Gale crater. <i>Science</i> , 2015, 347, 415-417.	6.0	373
14	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
15	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
16	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508
17	Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. <i>Science</i> , 2014, 343, 1244797.	6.0	475
18	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1244734.	6.0	246

#	ARTICLE	IF	CITATIONS
19	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	6.0	327
20	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	6.0	280
21	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	6.0	327
22	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	6.0	367
23	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	6.0	326
24	The Petrochemistry of Jake_M: A Martian Mugearite. Science, 2013, 341, 1239463.	6.0	134
25	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	6.0	215
26	Low Upper Limit to Methane Abundance on Mars. Science, 2013, 342, 355-357.	6.0	103
27	Evidence for perchlorates and the origin of chlorinated hydrocarbons detected by SAM at the Rocknest aeolian deposit in Gale Crater. Journal of Geophysical Research E: Planets, 2013, 118, 1955-1973.	1.5	306
28	Evidence for perchlorates and the origin of chlorinated hydrocarbons detected by SAM at the rocknest aeolian deposit in gale crater. Journal of Geophysical Research E: Planets, 2013, , n/a-n/a.	1.5	6
29	The Sample Analysis at Mars Investigation and Instrument Suite. Space Science Reviews, 2012, 170, 401-478.	3.7	435
30	The Sample Analysis at Mars Investigation and Instrument Suite. , 2012, , 401-478.		5
31	Small-scale instabilities of an island wake flow in a rotating shallow-water layer. Dynamics of Atmospheres and Oceans, 2010, 49, 1-24.	0.7	26
32	Small-scale instabilities of an island wake flow in a rotating shallow-water layer. , 2010, 111, 1-24.		0
33	Amplification of a Surface-Intensified Eddy Drift along a Steep Shelf in the Eastern Mediterranean Sea. Journal of Physical Oceanography, 2009, 39, 1729-1741.	0.7	17