

# Ann Ollila

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7410427/publications.pdf>

Version: 2024-02-01

18  
papers

2,995  
citations

430874

18  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2266  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The ChemCam Instrument Suite on the Mars Science Laboratory (MSL) Rover: Body Unit and Combined System Tests. <i>Space Science Reviews</i> , 2012, 170, 167-227.   | 8.1  | 429       |
| 2  | Volatile, Isotope, and Organic Analysis of Martian Finest with the Mars Curiosity Rover. <i>Science</i> , 2013, 341, 1238937.  | 12.6 | 367       |
| 3  | X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. <i>Science</i> , 2013, 341, 1238932.  | 12.6 | 327       |
| 4  | Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.   | 12.6 | 326       |
| 5  | Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. <i>Science</i> , 2013, 341, 1239505.  | 12.6 | 280       |
| 6  | Pre-flight calibration and initial data processing for the ChemCam laser-induced breakdown spectroscopy instrument on the Mars Science Laboratory rover. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 82, 1-27.                         | 2.9  | 258       |
| 7  | Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. <i>Science</i> , 2013, 341, 1238670.   | 12.6 | 215       |
| 8  | The Petrochemistry of Jake_M: A Martian Mugarite. <i>Science</i> , 2013, 341, 1239463.   | 12.6 | 134       |
| 9  | The SuperCam Instrument Suite on the Mars 2020 Rover: Science Objectives and Mast-Unit Description. <i>Space Science Reviews</i> , 2021, 217, 1.   | 8.1  | 131       |
| 10 | Igneous mineralogy at Bradbury Rise: The first ChemCam campaign at Gale crater. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 30-46.  | 3.6  | 114       |
| 11 | Perseverance rover reveals an ancient delta-lake system and flood deposits at Jezero crater, Mars. <i>Science</i> , 2021, 374, 711-717.  | 12.6 | 86        |
| 12 | Compositions of coarse and fine particles in martian soils at gale: A window into the production of soils. <i>Icarus</i> , 2015, 249, 22-42.   | 2.5  | 64        |
| 13 | Hydrogen detection with ChemCam at Gale crater. <i>Icarus</i> , 2015, 249, 43-61.  | 2.5  | 58        |
| 14 | Ceramic ChemCam Calibration Targets on Mars Science Laboratory. <i>Space Science Reviews</i> , 2012, 170, 229-255.   | 8.1  | 52        |
| 15 | SuperCam Calibration Targets: Design and Development. <i>Space Science Reviews</i> , 2020, 216, 138.   | 8.1  | 44        |
| 16 | Martian Eolian Dust Probed by ChemCam. <i>Geophysical Research Letters</i> , 2018, 45, 10,968.   | 4.0  | 40        |
| 17 | Post-landing major element quantification using SuperCam laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 188, 106347.  | 2.9  | 40        |
| 18 | Analyses of High- $\alpha$ -Iron Sedimentary Bedrock and Diagenetic Features Observed With ChemCam at Vera Rubin Ridge, Gale Crater, Mars: Calibration and Characterization. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006314. | 3.6  | 30        |