

Kyle Uckert

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Perseverance's Scanning Habitable Environments with Raman and Luminescence for Organics and Chemicals (SHERLOC) Investigation. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	94
2	Investigating Habitability with an Integrated Rock-Climbing Robot and Astrobiology Instrument Suite. <i>Astrobiology</i> , 2020, 20, 1427-1449.	3.0	23
3	A deep-ultraviolet Raman and Fluorescence spectral library of 62 minerals for the SHERLOC instrument onboard Mars 2020. <i>Planetary and Space Science</i> , 2021, 209, 105356.	1.7	21
4	A roadmap for planetary caves science and exploration. <i>Nature Astronomy</i> , 2021, 5, 524-525.	10.1	19
5	A Semi-Autonomous Method to Detect Cosmic Rays in Raman Hyperspectral Data Sets. <i>Applied Spectroscopy</i> , 2019, 73, 1019-1027.	2.2	18
6	Calibration of the SHERLOC Deep Ultraviolet Fluorescence Raman Spectrometer on the Perseverance Rover. <i>Applied Spectroscopy</i> , 2021, 75, 000370282110133.	2.2	18
7	The Characterization of Biosignatures in Caves Using an Instrument Suite. <i>Astrobiology</i> , 2017, 17, 1203-1218.	3.0	11
8	The power of paired proximity science observations: Co-located data from SHERLOC and PIXL on Mars. <i>Icarus</i> , 2022, 387, 115179.	2.5	11
9	Fundamental Science and Engineering Questions in Planetary Cave Exploration. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	8