

# Joseph Razzell Hollis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5382055/publications.pdf>

Version: 2024-02-01

11  
papers

342  
citations

1040056

9  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

520  
citing authors

#	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	Raman spectroscopy as an advanced structural nanoprobe for conjugated molecular semiconductors. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 073001.	2.8	86
3	Effects of Side-Chain Length and Shape on Polytellurophene Molecular Order and Blend Morphology. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2088-2098.	3.1	28
4	Solution processing of polymer semiconductor: Insulator blends Tailored optical properties through liquid liquid phase separation control. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 304-310.	2.1	25
5	The Cell and the Sum of Its Parts: Patterns of Complexity in Biosignatures as Revealed by Deep UV Raman Spectroscopy. <i>Frontiers in Microbiology</i> , 2019, 10, 679.	3.5	24
6	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
7	Calibration of the SHERLOC Deep Ultraviolet Fluorescence Raman Spectrometer on the Perseverance Rover. <i>Applied Spectroscopy</i> , 2021, 75, 000370282110133.	2.2	18
8	An Optical Model for Quantitative Raman Microspectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 684-700.	2.2	16
9	Detection and Degradation of Adenosine Monophosphate in Perchlorate-Spiked Martian Regolith Analog, by Deep-Ultraviolet Spectroscopy. <i>Astrobiology</i> , 2021, 21, 511-525.	3.0	10
10	Deep-ultraviolet Raman spectra of Mars-relevant evaporite minerals under 248.6 nm excitation. <i>Icarus</i> , 2020, 351, 113969.	2.5	6
11	Corrigendum to Deep-ultraviolet Raman spectra of Mars-relevant evaporite minerals under 248.6 nm excitation [Icarus 351 (2020) 113969]. <i>Icarus</i> , 2021, 357, 114068.	2.5	0