

# Chester E Harman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8273299/publications.pdf>

Version: 2024-02-01

19  
papers

1,069  
citations

687363

13  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exoplanet Biosignatures: A Review of Remotely Detectable Signs of Life. <i>Astrobiology</i> , 2018, 18, 663-708.	3.0	328
2	ABIOTIC O <sub>2</sub> LEVELS ON PLANETS AROUND F, G, K, AND M STARS: POSSIBLE FALSE POSITIVES FOR LIFE?. <i>Astrophysical Journal</i> , 2015, 812, 137.	4.5	173
3	Remote life-detection criteria, habitable zone boundaries, and the frequency of Earth-like planets around M and late K stars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12641-12646.	7.1	103
4	IDENTIFYING PLANETARY BIOSIGNATURE IMPOSTORS: SPECTRAL FEATURES OF CO AND O <sub>4</sub> RESULTING FROM ABIOTIC O <sub>2</sub> /O <sub>3</sub> PRODUCTION. <i>Astrophysical Journal Letters</i> , 2016, 819, L13.	8.3	100
5	LIMIT CYCLES CAN REDUCE THE WIDTH OF THE HABITABLE ZONE. <i>Astrophysical Journal</i> , 2016, 827, 120.	4.5	94
6	Photochemistry of Anoxic Abiotic Habitable Planet Atmospheres: Impact of New H <sub>2</sub> O Cross Sections. <i>Astrophysical Journal</i> , 2020, 896, 148.	4.5	45
7	Abiotic O <sub>2</sub> Levels on Planets around F, G, K, and M Stars: Effects of Lightning-produced Catalysts in Eliminating Oxygen False Positives. <i>Astrophysical Journal</i> , 2018, 866, 56.	4.5	43
8	Chain formation as a mechanism for mass-independent fractionation of sulfur isotopes in the Archean atmosphere. <i>Earth and Planetary Science Letters</i> , 2018, 496, 238-247.	4.4	31
9	Atmospheric Production of Glycolaldehyde Under Hazy Prebiotic Conditions. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 77-98.	1.9	30
10	A Limited Habitable Zone for Complex Life. <i>Astrophysical Journal</i> , 2019, 878, 19.	4.5	30
11	Rethinking CO Antibiosignatures in the Search for Life Beyond the Solar System. <i>Astrophysical Journal</i> , 2019, 874, 9.	4.5	23
12	Modeling a Transient Secondary Paleolunar Atmosphere: 3D Simulations and Analysis. <i>Geophysical Research Letters</i> , 2019, 46, 5107-5116.	4.0	16
13	Inner edge of the habitable zone. <i>Nature</i> , 2013, 504, 221-223.	27.8	14
14	Can organic haze and O <sub>2</sub> plumes explain patterns of sulfur mass-independent fractionation during the Archean?. <i>Earth and Planetary Science Letters</i> , 2019, 526, 115767.	4.4	14
15	Venus might never have been habitable. <i>Nature</i> , 2021, 598, 259-260.	27.8	5
16	Biosignature False Positives. , 2018, , 3203-3224.		4
17	A Snowball in Hell: The Potential Steam Atmosphere of TOI-1266c. <i>Planetary Science Journal</i> , 2022, 3, 45.	3.6	4
18	A Hot Mars-sized Exoplanet Transiting an M Dwarf. <i>Astronomical Journal</i> , 2022, 163, 3.	4.7	3

#	ARTICLE	IF	CITATIONS
19	Biosignature False Positives. , 2018, , 1-22.		2