

Chester E Harman

List of Publications by Year in descending order

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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 | A Snowball in Hell: The Potential Steam Atmosphere of TOI-1266c. <i>Planetary Science Journal</i> , 2022, 3, 45. | 3.6 | 4 |
| 2 | A Hot Mars-sized Exoplanet Transiting an M Dwarf. <i>Astronomical Journal</i> , 2022, 163, 3. | 4.7 | 3 |
| 3 | Venus might never have been habitable. <i>Nature</i> , 2021, 598, 259-260. | 27.8 | 5 |
| 4 | Photochemistry of Anoxic Abiotic Habitable Planet Atmospheres: Impact of New H ₂ O Cross Sections. <i>Astrophysical Journal</i> , 2020, 896, 148. | 4.5 | 45 |
| 5 | Can organic haze and O ₂ plumes explain patterns of sulfur mass-independent fractionation during the Archean?. <i>Earth and Planetary Science Letters</i> , 2019, 526, 115767. | 4.4 | 14 |
| 6 | A Limited Habitable Zone for Complex Life. <i>Astrophysical Journal</i> , 2019, 878, 19. | 4.5 | 30 |
| 7 | Modeling a Transient Secondary Paleolunar Atmosphere: 3D Simulations and Analysis. <i>Geophysical Research Letters</i> , 2019, 46, 5107-5116. | 4.0 | 16 |
| 8 | Rethinking CO Antibiosignatures in the Search for Life Beyond the Solar System. <i>Astrophysical Journal</i> , 2019, 874, 9. | 4.5 | 23 |
| 9 | Exoplanet Biosignatures: A Review of Remotely Detectable Signs of Life. <i>Astrobiology</i> , 2018, 18, 663-708. | 3.0 | 328 |
| 10 | Abiotic O ₂ 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 |
| 11 | Biosignature False Positives. , 2018, , 3203-3224. | | 4 |
| 12 | Biosignature False Positives. , 2018, , 1-22. | | 2 |
| 13 | 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 |
| 14 | LIMIT CYCLES CAN REDUCE THE WIDTH OF THE HABITABLE ZONE. <i>Astrophysical Journal</i> , 2016, 827, 120. | 4.5 | 94 |
| 15 | IDENTIFYING PLANETARY BIOSIGNATURE IMPOSTORS: SPECTRAL FEATURES OF CO AND O ₄ RESULTING FROM ABIOTIC O ₂ /O ₃ PRODUCTION. <i>Astrophysical Journal Letters</i> , 2016, 819, L13. | 8.3 | 100 |
| 16 | ABIOTIC O ₂ 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 |
| 17 | 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 |
| 18 | Atmospheric Production of Glycolaldehyde Under Hazy Prebiotic Conditions. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 77-98. | 1.9 | 30 |

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|----|---|------|-----------|
| 19 | Inner edge of the habitable zone. Nature, 2013, 504, 221-223. | 27.8 | 14 |