

# Luke Hart

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2518460/publications.pdf>

Version: 2024-02-01

11  
papers

1,009  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Varying fundamental constants principal component analysis: additional hints about the Hubble tension. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2206-2227.	4.4	14
2	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
3	Microwave spectro-polarimetry of matter and radiation across space and time. Experimental Astronomy, 2021, 51, 1471-1514.	3.7	15
4	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. Astroparticle Physics, 2021, 131, 102606.	4.3	37
5	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	4.3	228
6	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. Astroparticle Physics, 2021, 131, 102607.	4.3	39
7	Cosmology intertwined III: $\frac{H_0}{\Omega_b h^2} = \frac{1}{\Omega_b h^2} \frac{H_0}{\Omega_b h^2}$ and $\frac{H_0}{\Omega_b h^2} = \frac{1}{\Omega_b h^2} \frac{H_0}{\Omega_b h^2}$ . Astroparticle Physics, 2021, 131, 102604.	4.3	182
8	Improved model-independent constraints on the recombination era and development of a direct projection method. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4210-4226.	4.4	10
9	Sensitivity forecasts for the cosmological recombination radiation in the presence of foregrounds. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4535-4548.	4.4	10
10	Updated fundamental constant constraints from Planck 2018 data and possible relations to the Hubble tension. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3255-3263.	4.4	69
11	New constraints on time-dependent variations of fundamental constants using Planck data. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1850-1861.	4.4	55