

# Thomas Loredo

## List of Publications by Year in descending order

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14  
papers

839  
citations

1040056

9  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1350  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Infrared Database of Extragalactic Observables from Spitzer. II. The Database and Diagnostic Power of Crystalline Silicate Features in Galaxy Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 37.	7.7	9
2	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. I. Design, Tests, and Application to Exoplanet HD 189733b. <i>Planetary Science Journal</i> , 2022, 3, 80.	3.6	20
3	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. II. The Transit Radiative Transfer Module and Retrieval of HAT-P-11b. <i>Planetary Science Journal</i> , 2022, 3, 81.	3.6	12
4	The Break-by-one Gamma Distribution: A Proper and Tractable Alternative to the Schechter Function for Modeling Cosmic Populations. <i>Research Notes of the AAS</i> , 2020, 4, 132.	0.7	0
5	GPU-accelerated hierarchical Bayesian estimation of luminosity functions using flux-limited observations with photometric noise. <i>Astronomy and Computing</i> , 2018, 25, 247-256.	1.7	0
6	Faint Object Detection in Multi-Epoch Observations via Catalog Data Fusion. <i>Astrophysical Journal</i> , 2017, 838, 52.	4.5	4
7	Simultaneously modelling far-infrared dust emission and its relation to CO emission in star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 67-81.	4.4	5
8	Enceladus's measured physical libration requires a global subsurface ocean. <i>Icarus</i> , 2016, 264, 37-47.	2.5	289
9	Probabilistic Record Linkage in Astronomy: Directional Cross-Identification and Beyond. <i>Annual Review of Statistics and Its Application</i> , 2015, 2, 113-139.	7.0	18
10	The Structure of the Kuiper Belt: Size Distribution and Radial Extent. <i>Astronomical Journal</i> , 2001, 122, 1051-1066.	4.7	199
11	Inferring the Spatial and Energy Distribution of Gamma-Ray Burst Sources. II. Isotropic Models. <i>Astrophysical Journal</i> , 1998, 502, 75-107.	4.5	36
12	Inferring the Spatial and Energy Distribution of Gamma-Ray Burst Sources. III. Anisotropic Models. <i>Astrophysical Journal</i> , 1998, 502, 108-129.	4.5	9
13	Inferring the spatial and energy distribution of gamma-ray burst sources. 1: Methodology. <i>Astrophysical Journal, Supplement Series</i> , 1995, 96, 261.	7.7	33
14	A new method for the detection of a periodic signal of unknown shape and period. <i>Astrophysical Journal</i> , 1992, 398, 146.	4.5	205