

# Patricio E Cubillos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3040347/publications.pdf>

Version: 2024-02-01

32  
papers

1,532  
citations

361388

20  
h-index

434170

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1275  
citing authors

#	ARTICLE	IF	CITATIONS
1	TRANSIT AND ECLIPSE ANALYSES OF THE EXOPLANET HD 149026b USING BLISS MAPPING. <i>Astrophysical Journal</i> , 2012, 754, 136.	4.5	153
2	ON CORRELATED-NOISE ANALYSES APPLIED TO EXOPLANET LIGHT CURVES. <i>Astronomical Journal</i> , 2017, 153, 3.	4.7	109
3	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
4	Five carbon- and nitrogen-bearing species in a hot giant planet's atmosphere. <i>Nature</i> , 2021, 592, 205-208.	27.8	99
5	Transiting Exoplanet Studies and Community Targets for <i>JWST</i> 's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	3.1	98
6	<i>SPITZER</i> OBSERVATIONS OF THE THERMAL EMISSION FROM WASP-43b. <i>Astrophysical Journal</i> , 2014, 781, 116.	4.5	91
7	<i>SPITZER</i> SECONDARY ECLIPSES OF WASP-18b. <i>Astrophysical Journal</i> , 2011, 742, 35.	4.5	85
8	Overcoming the Limitations of the Energy-limited Approximation for Planet Atmospheric Escape. <i>Astrophysical Journal Letters</i> , 2018, 866, L18.	8.3	82
9	WASP-8b: CHARACTERIZATION OF A COOL AND ECCENTRIC EXOPLANET WITH <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2013, 768, 42.	4.5	76
10	THERMAL EMISSION OF WASP-14b REVEALED WITH THREE <i>SPITZER</i> ECLIPSES. <i>Astrophysical Journal</i> , 2013, 779, 5.	4.5	61
11	TWO NEARBY SUB-EARTH-SIZED EXOPLANET CANDIDATES IN THE GJ 436 SYSTEM. <i>Astrophysical Journal</i> , 2012, 755, 9.	4.5	56
12	Global Chemistry and Thermal Structure Models for the Hot Jupiter WASP-43b and Predictions for <i>JWST</i> . <i>Astrophysical Journal</i> , 2020, 890, 176.	4.5	53
13	Suppressed Far-UV Stellar Activity and Low Planetary Mass Loss in the WASP-18 System*. <i>Astronomical Journal</i> , 2018, 155, 113.	4.7	45
14	An Algorithm to Compress Line-transition Data for Radiative-transfer Calculations. <i>Astrophysical Journal</i> , 2017, 850, 32.	4.5	44
15	Mass loss from the exoplanet WASP-12b inferred from Spitzer phase curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1995-2013.	4.4	43
16	A <i>SPITZER</i> FIVE-BAND ANALYSIS OF THE JUPITER-SIZED PLANET TrES-1. <i>Astrophysical Journal</i> , 2014, 797, 42.	4.5	42
17	Secondary Eclipses of HAT-P-13b. <i>Astrophysical Journal</i> , 2017, 836, 143.	4.5	36
18	Near-ultraviolet Transmission Spectroscopy of HD 209458b: Evidence of Ionized Iron Beyond the Planetary Roche Lobe. <i>Astronomical Journal</i> , 2020, 159, 111.	4.7	34

#	ARTICLE	IF	CITATIONS
19	Close-in Sub-Neptunes Reveal the Past Rotation History of Their Host Stars: Atmospheric Evolution of Planets in the HD 3167 and K2-32 Planetary Systems. <i>Astrophysical Journal</i> , 2019, 879, 26.	4.5	33
20	Aerosol Constraints on the Atmosphere of the Hot Saturn-mass Planet WASP-49b. <i>Astrophysical Journal</i> , 2017, 849, 145.	4.5	32
21	The <code>pyrat bay</code> framework for exoplanet atmospheric modelling: a population study of <i>Hubble</i> /WFC3 transmission spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2675-2702.	4.4	28
22	Community Targets of JWST's Early Release Science Program: Evaluation of WASP-63b. <i>Astronomical Journal</i> , 2018, 156, 103.	4.7	25
23	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
24	A Comparison of Simulated JWST Observations Derived from Equilibrium and Non-equilibrium Chemistry Models of Giant Exoplanets. <i>Astrophysical Journal</i> , 2018, 853, 138.	4.5	13
25	The atmosphere of WASP-17b: Optical high-resolution transmission spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 618, A98.	5.1	13
26	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
27	Estimating dayside effective temperatures of hot Jupiters and associated uncertainties through Gaussian process regression. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 941-950.	4.4	11
28	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. III. Initialization, Atmospheric Profile Generator, Post-processing Routines. <i>Planetary Science Journal</i> , 2022, 3, 82.	3.6	11
29	Toward More Reliable Analytic Thermochemical-equilibrium Abundances. <i>Astrophysical Journal</i> , 2019, 872, 111.	4.5	9
30	Longitudinally Resolved Spectral Retrieval (ReSpect) of WASP-43b. <i>Astrophysical Journal</i> , 2021, 915, 45.	4.5	9
31	A retrieval challenge exercise for the Ariel mission. <i>Experimental Astronomy</i> , 2022, 53, 447-471.	3.7	9
32	Spitzer Dayside Emission of WASP-34b. <i>Planetary Science Journal</i> , 2022, 3, 86.	3.6	0