

# Joseph Harrington

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

19,553  
citations

394421

19  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

27620  
citing authors

#	ARTICLE	IF	CITATIONS
1	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020, 17, 261-272.	19.0	17,539
2	A high C/O ratio and weak thermal inversion in the atmosphere of exoplanet WASP-12b. <i>Nature</i> , 2011, 469, 64-67.	27.8	274
3	The Phase-Dependent Infrared Brightness of the Extrasolar Planet $\hat{A}$ Andromedae b. <i>Science</i> , 2006, 314, 623-626.	12.6	213
4	TRANSIT AND ECLIPSE ANALYSES OF THE EXOPLANET HD 149026b USING BLISS MAPPING. <i>Astrophysical Journal</i> , 2012, 754, 136.	4.5	153
5	The hottest planet. <i>Nature</i> , 2007, 447, 691-693.	27.8	137
6	DECIPHERING THE ATMOSPHERIC COMPOSITION OF WASP-12b: A COMPREHENSIVE ANALYSIS OF ITS DAYSIDE EMISSION. <i>Astrophysical Journal</i> , 2014, 791, 36.	4.5	128
7	ON THE ORBIT OF EXOPLANET WASP-12b. <i>Astrophysical Journal</i> , 2011, 727, 125.	4.5	124
8	ON CORRELATED-NOISE ANALYSES APPLIED TO EXOPLANET LIGHT CURVES. <i>Astronomical Journal</i> , 2017, 153, 3.	4.7	109
9	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
10	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
11	<i>SPITZER</i> OBSERVATIONS OF THE THERMAL EMISSION FROM WASP-43b. <i>Astrophysical Journal</i> , 2014, 781, 116.	4.5	91
12	<i>SPITZER</i> SECONDARY ECLIPSES OF WASP-18b. <i>Astrophysical Journal</i> , 2011, 742, 35.	4.5	85
13	TEA: A CODE CALCULATING THERMOCHEMICAL EQUILIBRIUM ABUNDANCES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 4.	7.7	79
14	WASP-8b: CHARACTERIZATION OF A COOL AND ECCENTRIC EXOPLANET WITH <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2013, 768, 42.	4.5	76
15	THERMAL EMISSION OF WASP-14b REVEALED WITH THREE <i>SPITZER</i> ECLIPSES. <i>Astrophysical Journal</i> , 2013, 779, 5.	4.5	61
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	The thermal emission of the exoplanet WASP-3b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3666-3678.	4.4	31

#	ARTICLE	IF	CITATIONS
19	Jupiter's Tropospheric Thermal Emission. II. Power Spectrum Analysis and Wave Search. <i>Icarus</i> , 1996, 124, 32-44.	2.5	24
20	Proxima Centauri b is not a transiting exoplanet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 268-274.	4.4	21
21	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
22	Accurate Machine-learning Atmospheric Retrieval via a Neural-network Surrogate Model for Radiative Transfer. <i>Planetary Science Journal</i> , 2022, 3, 91.	3.6	20
23	Infrared Characterization of Jupiter's Equatorial Disturbance Cycle. <i>Geophysical Research Letters</i> , 2018, 45, 10,987.	4.0	19
24	Jupiter's Atmospheric Variability from Long-term Ground-based Observations at 5 $\mu$ m. <i>Astronomical Journal</i> , 2019, 158, 130.	4.7	17
25	Least Asymmetry Centering Method and Comparisons. <i>Publications of the Astronomical Society of the Pacific</i> , 2014, 126, 1092-1101.	3.1	14
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	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
28	Jupiter's Tropospheric Thermal Emission. I. Observations and Techniques. <i>Icarus</i> , 1996, 124, 22-31.	2.5	7
29	On the Dayside Atmosphere of WASP-12b. <i>Astrophysical Journal</i> , 2022, 931, 86.	4.5	6
30	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. <i>Planetary Science Journal</i> , 2021, 2, 9.	3.6	5
31	Detection of Planetary Emission from TrES-2 using <i>Spitzer</i> /IRAC. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 536-539.	0.0	1
32	Spitzer Dayside Emission of WASP-34b. <i>Planetary Science Journal</i> , 2022, 3, 86.	3.6	0