

# Rory Barnes

## List of Publications by Year in descending order

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26  
papers

1,052  
citations

516710

16  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ice Coverage of Earth-like Planets Orbiting FGK Stars. <i>Planetary Science Journal</i> , 2022, 3, 13.	3.6	5
2	The Contribution of M-dwarf Flares to the Thermal Escape of Potentially Habitable Planet Atmospheres. <i>Astrophysical Journal</i> , 2022, 928, 12.	4.5	16
3	The $\frac{1}{4}$ Arae Planetary System: Radial Velocities and Astrometry. <i>Astronomical Journal</i> , 2022, 163, 295.	4.7	4
4	Improved Constraints for the XUV Luminosity Evolution of Trappist-1. <i>Research Notes of the AAS</i> , 2021, 5, 122.	0.7	5
5	TRAPPIST Habitable Atmosphere Intercomparison (THAI) Workshop Report. <i>Planetary Science Journal</i> , 2021, 2, 106.	3.6	29
6	Magma Ocean Evolution of the TRAPPIST-1 Planets. <i>Astrobiology</i> , 2021, 21, 1325-1349.	3.0	24
7	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021, 51, 845-886.	3.7	17
8	Effects of Spin-Orbit Resonances and Tidal Heating on the Inner Edge of the Habitable Zone. <i>Astrophysical Journal</i> , 2021, 921, 25.	4.5	5
9	VPlanet: The Virtual Planet Simulator. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 024502.	3.1	28
10	On the XUV Luminosity Evolution of TRAPPIST-1. <i>Astrophysical Journal</i> , 2020, 891, 155.	4.5	20
11	A Coupled Analysis of Atmospheric Mass Loss and Tidal Evolution in XUV Irradiated Exoplanets: The TRAPPIST-1 Case Study. <i>Astronomical Journal</i> , 2020, 159, 275.	4.7	14
12	Consequences of Tidal Dissipation in a Putative Venusian Ocean. <i>Astrophysical Journal Letters</i> , 2019, 876, L22.	8.3	14
13	Exo-Milankovitch Cycles. I. Orbits and Rotation States. <i>Astronomical Journal</i> , 2018, 155, 60.	4.7	50
14	On the Lack of Circumbinary Planets Orbiting Isolated Binary Stars. <i>Astrophysical Journal</i> , 2018, 858, 86.	4.5	28
15	Exo-Milankovitch Cycles. II. Climates of G-dwarf Planets in Dynamically Hot Systems. <i>Astronomical Journal</i> , 2018, 155, 266.	4.7	29
16	The first super-Earth detection from the high cadence and high radial velocity precision Dharma Planet Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2411-2422.	4.4	18
17	Tidal locking of habitable exoplanets. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 129, 509-536.	1.4	174
18	The Effect of Orbital Configuration on the Possible Climates and Habitability of Kepler-62f. <i>Astrobiology</i> , 2016, 16, 443-464.	3.0	56

#	ARTICLE	IF	CITATIONS
19	IDENTIFYING PLANETARY BIOSIGNATURE IMPOSTORS: SPECTRAL FEATURES OF CO AND O <sub>4</sub> RESULTING FROM ABIOTIC O <sub>2</sub> /O <sub>3</sub> PRODUCTION. <i>Astrophysical Journal Letters</i> , 2016, 819, L13.	8.3	100
20	A method to identify the boundary between rocky and gaseous exoplanets from tidal theory and transit durations. <i>International Journal of Astrobiology</i> , 2015, 14, 321-333.	1.6	31
21	Spin-driven tidal pumping: tidally driven changes in planetary spin coupled with secular interactions between planets. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2013, 117, 331-348.	1.4	27
22	Habitable Planets Around White and Brown Dwarfs: The Perils of a Cooling Primary. <i>Astrobiology</i> , 2013, 13, 279-291.	3.0	73
23	Tidal Venuses: Triggering a Climate Catastrophe via Tidal Heating. <i>Astrobiology</i> , 2013, 13, 225-250.	3.0	124
24	Constraints on the Habitability of Extrasolar Moons. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 159-164.	0.0	2
25	The (In)stability of Planetary Systems. <i>Astrophysical Journal</i> , 2004, 611, 494-516.	4.5	106
26	A Statistical Examination of the Short-Term Stability of the Ĩ... Andromedae Planetary System. <i>Astrophysical Journal</i> , 2001, 550, 884-889.	4.5	53