

# Bryan Butler

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

788  
citations

516710

16  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
2	Detection of CO and HCN in Pluto's atmosphere with ALMA. <i>Icarus</i> , 2017, 286, 289-307.	2.5	89
3	Peering through Jupiter's clouds with radio spectral imaging. <i>Science</i> , 2016, 352, 1198-1201.	12.6	67
4	Neptune's global circulation deduced from multi-wavelength observations. <i>Icarus</i> , 2014, 237, 211-238.	2.5	64
5	A Distant Fast Radio Burst Associated with Its Host Galaxy by the Very Large Array. <i>Astrophysical Journal</i> , 2020, 899, 161.	4.5	62
6	Accurate and Consistent Microwave Observations of Venus and Their Implications. <i>Icarus</i> , 2001, 154, 226-238.	2.5	54
7	No evidence of phosphine in the atmosphere of Venus from independent analyses. <i>Nature Astronomy</i> , 2021, 5, 631-635.	10.1	50
8	Jupiter's ammonia distribution derived from VLA maps at 37 GHz. <i>Icarus</i> , 2019, 322, 168-191.	2.5	40
9	Seasonal change in the deep atmosphere of Uranus. <i>Icarus</i> , 2003, 165, 168-180.	2.5	38
10	The thermal emission of Centaurs and trans-Neptunian objects at millimeter wavelengths from ALMA observations. <i>Astronomy and Astrophysics</i> , 2017, 608, A45.	5.1	34
11	An intense thermospheric jet on Titan. <i>Nature Astronomy</i> , 2019, 3, 614-619.	10.1	29
12	A Search for Late-time Radio Emission and Fast Radio Bursts from Superluminous Supernovae. <i>Astrophysical Journal</i> , 2019, 886, 24.	4.5	28
13	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. <i>Astronomical Journal</i> , 2019, 158, 139.	4.7	27
14	VLA/Realfast Detection of a Burst from FRB 180916.J0158+65 and Tests for Periodic Activity. <i>Research Notes of the AAS</i> , 2020, 4, 94.	0.7	22
15	Ganymede's Surface Properties from Millimeter and Infrared Thermal Emission. <i>Planetary Science Journal</i> , 2021, 2, 5.	3.6	19
16	ALMA Thermal Observations of Europa. <i>Astronomical Journal</i> , 2018, 156, 161.	4.7	18
17	ALMA Thermal Observations of a Proposed Plume Source Region on Europa. <i>Astronomical Journal</i> , 2017, 154, 148.	4.7	13
18	Tropospheric Composition and Circulation of Uranus with ALMA and the VLA. <i>Planetary Science Journal</i> , 2021, 2, 3.	3.6	13

#	ARTICLE	IF	CITATIONS
19	Pluto's atmosphere observations with ALMA: Spatially-resolved maps of CO and HCN emission and first detection of HNC. <i>Icarus</i> , 2022, 372, 114722.	2.5	9
20	Neptune's Spatial Brightness Temperature Variations from the VLA and ALMA. <i>Planetary Science Journal</i> , 2021, 2, 105.	3.6	8
21	Scalable Data Mining, Archiving, and Big Data Management for the Next Generation Astronomical Telescopes. <i>Advances in Data Mining and Database Management Book Series</i> , 0, , 196-221.	0.5	4
22	Robust Assessment of Clustering Methods for Fast Radio Transient Candidates. <i>Astrophysical Journal</i> , 2021, 914, 53.	4.5	3
23	Scalable Data Mining, Archiving, and Big Data Management for the Next Generation Astronomical Telescopes. , 2016, , 2199-2225.		3
24	Vys: A Protocol for Commensal Fast Transient Searches and Data Processing at the Very Large Array. <i>Journal of Astronomical Instrumentation</i> , 2018, 07, .	1.5	1
25	Prospects to study the Ice Giants with the ngVLA. , 2021, 53, .		1
26	An ALMA Search for High-albedo Objects Among the Midsized Jupiter Trojan Population. <i>Astronomical Journal</i> , 2022, 164, 23.	4.7	1