Michele T Bannister

List of Publications by Citations

56 papers	1,120 citations	21 h-index	32 g-index
61 ext. papers	1,301 ext. citations	5.7 avg, IF	4.43 L-index

#	Paper	IF	Citations
56	Spectroscopy and thermal modelling of the first interstellar object 1I/2017 U1 'Oumuamua. *Nature Astronomy*, **2018**, 2, 133-137	12.1	89
55	THE OUTER SOLAR SYSTEM ORIGINS SURVEY. I. DESIGN AND FIRST-QUARTER DISCOVERIES. *Astronomical Journal*, **2016**, 152, 70	4.9	84
54	Col-OSSOS: Colors of the Interstellar Planetesimal 1I/'Oumuamua. *Astrophysical Journal Letters*, **2017**, 851, L38	7.9	75
53	OSSOS. VII. 800+ Trans-Neptunian Objects—The Complete Data Release. *Astrophysical Journal, Supplement Series*, **2018**, 236, 18	8	71
52	All planetesimals born near the Kuiper belt formed as binaries. *Nature Astronomy*, **2017**, 1,	12.1	47
51	The tumbling rotational state of 1I/'Oumuamua. *Nature Astronomy*, **2018**, 2, 383-386	12.1	46
50	OSSOS. VI. Striking Biases in the Detection of Large Semimajor Axis Trans-Neptunian Objects. *Astronomical Journal*, **2017**, 154, 50	4.9	45
49	CONSEQUENCES OF A DISTANT MASSIVE PLANET ON THE LARGE SEMIMAJOR AXIS TRANS-NEPTUNIAN OBJECTS. *Astronomical Journal*, **2017**, 153, 63	4.9	44
48	OSSOS III. RESONANT TRANS-NEPTUNIAN POPULATIONS: CONSTRAINTS FROM THE FIRST QUARTER OF THE OUTER SOLAR SYSTEM ORIGINS SURVEY. *Astronomical Journal*, **2016**, 152, 23	4.9	42
47	OSSOS. VIII. The Transition between Two Size Distribution Slopes in the Scattering Disk. *Astronomical Journal*, **2018**, 155, 197	4.9	38
46	OSSOS. II. A SHARP TRANSITION IN THE ABSOLUTE MAGNITUDE DISTRIBUTION OF THE KUIPER BELT'S SCATTERING POPULATION. *Astronomical Journal*, **2016**, 151, 31	4.9	37
45	Col-OSSOS:z-Band Photometry Reveals Three Distinct TNO Surface Types. *Astronomical Journal*, **2017**, 154, 101	4.9	37
44	The carbon monoxide-rich interstellar comet 2I/Borisov. *Nature Astronomy*, **2020**, 4, 867-871	12.1	32
43	OSSOS: X. How to Use a Survey Simulator: Statistical Testing of Dynamical Models Against the Real Kuiper Belt. *Frontiers in Astronomy and Space Sciences*, **2018**, 5,	3.8	31
42	OSSOS. V. Diffusion in the Orbit of a High-perihelion Distant Solar System Object. *Astronomical Journal*, **2017**, 153, 262	4.9	30
41	2008 LC18: a potentially unstable Neptune Trojan. *Monthly Notices of the Royal Astronomical Society*, **2012**, 422, 2145-2151	4.3	25
40	OBSERVATIONAL SIGNATURES OF A MASSIVE DISTANT PLANET ON THE SCATTERING DISK. *Astronomical Journal*, **2017**, 153, 33	4.9	24

39	A SERENDIPITOUS ALL SKY SURVEY FOR BRIGHT OBJECTS IN THE OUTER SOLAR SYSTEM. *Astronomical Journal*, **2015**, 149, 69	4.9	24
38	Col-OSSOS: The Colors of the Outer Solar System Origins Survey. *Astrophysical Journal, Supplement Series*, **2019**, 243, 12	8	22
37	OSSOS. IX. Two Objects in Neptune's 9:1 Resonance Implications for Resonance Sticking in the Scattering Population. *Astronomical Journal*, **2018**, 155, 260	4.9	21
36	TRIPPy: TRAILED IMAGE PHOTOMETRY IN PYTHON. *Astronomical Journal*, **2016**, 151, 158	4.9	21
35	Water Production Rates and Activity of Interstellar Comet 2I/Borisov. *Astrophysical Journal Letters*, **2020**, 893, L48	7.9	19
34	Col-OSSOS: Color and Inclination Are Correlated throughout the Kuiper Belt. *Astronomical Journal*, **2019**, 157, 94	4.9	18
33	The Splitting of Double-component Active Asteroid P/2016 J1 (PANSTARRS). *Astrophysical Journal Letters*, **2017**, 837, L3	7.9	16
32	A Hypothesis for the Rapid Formation of Planets. *Astrophysical Journal Letters*, **2019**, 874, L34	7.9	16
31	A Dwarf Planet Class Object in the 21:5 Resonance with Neptune. *Astrophysical Journal Letters*, **2018**, 855, L6	7.9	16
30	OSSOS XV: PROBING THE DISTANT SOLAR SYSTEM WITH OBSERVED SCATTERING TNOS. *Astronomical Journal*, **2019**, 158,	4.9	16
29	OSSOS. IV. DISCOVERY OF A DWARF PLANET CANDIDATE IN THE 9:2 RESONANCE WITH NEPTUNE. *Astronomical Journal*, **2016**, 152, 212	4.9	16
28	OSSOS. XIII. Fossilized Resonant Dropouts Tentatively Confirm Neptune Migration Was Grainy and Slow. *Astronomical Journal*, **2019**, 157, 253	4.9	12
27	OSSOS XX: The Meaning of Kuiper Belt Colors. *Astronomical Journal*, **2020**, 160, 46	4.9	12
26	OSSOS. XIX. Testing Early Solar System Dynamical Models Using OSSOS Centaur Detections. *Astronomical Journal*, **2019**, 158, 132	4.9	11
25	Perspectives on the distribution of orbits of distant Trans-Neptunian objects **2020**, 61-77		8
24	OSSOS. XIV. The Plane of the Kuiper Belt. *Astronomical Journal*, **2019**, 158, 49	4.9	7
23	OSSOS. *Astronomy and Astrophysics*, **2019**, 621, A102	5.1	7
22	Col-OSSOS: Compositional Homogeneity of Three Kuiper Belt Binaries. *Planetary Science Journal*, **2020**, 1, 16	2.9	6

21	OSSOS. XXI. Collision Probabilities in the Edgeworth-Kuiper Belt. *Astronomical Journal*, **2021**, 161, 195	4.9	6
20	OSSOS. XVIII. Constraining Migration Models with the 2:1 Resonance Using the Outer Solar System Origins Survey. *Astronomical Journal*, **2019**, 158, 214	4.9	5
19	Solar system science with the Wide-Field Infrared Survey Telescope. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2018**, 4, 1	1.1	5
18	A Software Roadmap for Solar System Science with the Large Synoptic Survey Telescope. *Research Notes of the AAS*, **2019**, 3, 51	0.8	5
17	Oumuamuas Passing through Molecular Clouds. *Astrophysical Journal*, **2020**, 903, 114	4.7	4
16	Discovery of Two TNO-like Bodies in the Asteroid Belt. *Astrophysical Journal Letters*, **2021**, 916, L6	7.9	4
15	OSSOS. XII. Variability Studies of 65 Trans-Neptunian Objects Using the Hyper Suprime-Cam. *Astrophysical Journal, Supplement Series*, **2019**, 244, 19	8	3
14	OSSOS Finds an Exponential Cutoff in the Size Distribution of the Cold Classical Kuiper Belt. *Astrophysical Journal Letters*, **2021**, 920, L28	7.9	3
13	OSSOS: The eccentricity and inclination distributions of the stable neptunian Trojans. *Icarus*, **2021**, 361, 114391	3.8	3
12	A dearth of small members in the Haumea family revealed by OSSOS. *Nature Astronomy*, **2020**, 4, 89-96	12.1	3
11	Interstellar Objects Follow the Collapse of Molecular Clouds. *Astrophysical Journal*, **2021**, 921, 168	4.7	2
10	The Rarity of Very Red Trans-Neptunian Objects in the Scattered Disk. *Astronomical Journal*, **2021**, 162, 19	4.9	2
9	No Rotational Variability in C/2014 UN271 (Bernardinelli-Bernstein) at 23.8 au and 21.1 au as Seen by TESS. *Research Notes of the AAS*, **2021**, 5, 161	0.8	2
8	OSSOS. XVII. An upper limit on the number of distant planetary objects in the Solar System. *Icarus*, **2021**, 356, 113793	3.8	2
7	OSSOS. XXIII. 2013 VZ70 and the Temporary Coorbitals of the Giant Planets. *Planetary Science Journal*, **2021**, 2, 212	2.9	1
6	A darkness full of worlds: Prospects for discovery surveys in the outer solar system **2020**, 439-453		1
5	Col-OSSOS: The Distinct Color Distribution of Single and Binary Cold Classical KBOs. *Planetary Science Journal*, **2021**, 2, 90	2.9	1
4	The Debiased Compositional Distribution of MITHNEOS: Global Match between the Near-Earth and Main-belt Asteroid Populations, and Excess of D-type Near-Earth Objects. *Astronomical Journal*, **2022**, 163, 165	4.9	1

List of Publications

3	Predicting the Water Content of Interstellar Objects from Galactic Star Formation Histories. *Astrophysical Journal Letters*, **2022**, 924, L1	7.9	0
2	OSSOS XXV: Large Populations and Scattering Sticking in the Distant Trans-Neptunian Resonances. *Planetary Science Journal*, **2022**, 3, 113	2.9	0
1	Col-OSSOS: Probing Ice Line/Color Transitions within the Kuiper Belt Progenitor Populations. *Planetary Science Journal*, **2022**, 3, 9	2.9	