

Mike Alexandersen

List of Publications by Citations

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papers

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45
ext. papers

964
ext. citations

5.7
avg, IF

3.76
L-index

#	Paper	IF	Citations
44	THE OUTER SOLAR SYSTEM ORIGINS SURVEY. I. DESIGN AND FIRST-QUARTER DISCOVERIES. <i>Astronomical Journal</i> , 2016 , 152, 70	4.9	84
43	OSSOS. VII. 800+ Trans-Neptunian Objects – The Complete Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 236, 18	8	71
42	A Uranian Trojan and the frequency of temporary giant-planet co-orbitals. <i>Science</i> , 2013 , 341, 994-7	33.3	52
41	All planetesimals born near the Kuiper belt formed as binaries. <i>Nature Astronomy</i> , 2017 , 1,	12.1	47
40	A CAREFULLY CHARACTERIZED AND TRACKED TRANS-NEPTUNIAN SURVEY: THE SIZE DISTRIBUTION OF THE PLUTINOS AND THE NUMBER OF NEPTUNIAN TROJANS. <i>Astronomical Journal</i> , 2016 , 152, 111	4.9	47
39	OSSOS. VI. Striking Biases in the Detection of Large Semimajor Axis Trans-Neptunian Objects. <i>Astronomical Journal</i> , 2017 , 154, 50	4.9	45
38	OSSOS III – RESONANT TRANS-NEPTUNIAN POPULATIONS: CONSTRAINTS FROM THE FIRST QUARTER OF THE OUTER SOLAR SYSTEM ORIGINS SURVEY. <i>Astronomical Journal</i> , 2016 , 152, 23	4.9	42
37	OSSOS. VIII. The Transition between Two Size Distribution Slopes in the Scattering Disk. <i>Astronomical Journal</i> , 2018 , 155, 197	4.9	38
36	OSSOS. II. A SHARP TRANSITION IN THE ABSOLUTE MAGNITUDE DISTRIBUTION OF THE KUIPER BELT – SCATTERING POPULATION. <i>Astronomical Journal</i> , 2016 , 151, 31	4.9	37
35	Col-OSSOS: z-Band Photometry Reveals Three Distinct TNO Surface Types. <i>Astronomical Journal</i> , 2017 , 154, 101	4.9	37
34	OSSOS: X. How to Use a Survey Simulator: Statistical Testing of Dynamical Models Against the Real Kuiper Belt. <i>Frontiers in Astronomy and Space Sciences</i> , 2018 , 5,	3.8	31
33	OSSOS. V. Diffusion in the Orbit of a High-perihelion Distant Solar System Object. <i>Astronomical Journal</i> , 2017 , 153, 262	4.9	30
32	The Structure of the Distant Kuiper Belt in a Nice Model Scenario. <i>Astronomical Journal</i> , 2017 , 153, 127	4.9	29
31	THE 5:1 NEPTUNE RESONANCE AS PROBED BY CFEPS: DYNAMICS AND POPULATION. <i>Astronomical Journal</i> , 2015 , 149, 202	4.9	26
30	Col-OSSOS: The Colors of the Outer Solar System Origins Survey. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 12	8	22
29	OSSOS. IX. Two Objects in Neptune’s 9:1 Resonance – Implications for Resonance Sticking in the Scattering Population. <i>Astronomical Journal</i> , 2018 , 155, 260	4.9	21
28	TRIPPY: TRAILED IMAGE PHOTOMETRY IN PYTHON. <i>Astronomical Journal</i> , 2016 , 151, 158	4.9	21

27	IRREGULAR SATELLITES OF THE OUTER PLANETS: ORBITAL UNCERTAINTIES AND ASTROMETRIC RECOVERIES IN 2009-2011. <i>Astronomical Journal</i> , 2012 , 144, 132	4.9	19
26	Col-OSSOS: Color and Inclination Are Correlated throughout the Kuiper Belt. <i>Astronomical Journal</i> , 2019 , 157, 94	4.9	18
25	OSSOS XV: PROBING THE DISTANT SOLAR SYSTEM WITH OBSERVED SCATTERING TNOs. <i>Astronomical Journal</i> , 2019 , 158,	4.9	16
24	OSSOS. IV. DISCOVERY OF A DWARF PLANET CANDIDATE IN THE 9:2 RESONANCE WITH NEPTUNE. <i>Astronomical Journal</i> , 2016 , 152, 212	4.9	16
23	OSSOS. XIII. Fossilized Resonant Dropouts Tentatively Confirm Neptune's Migration Was Grainy and Slow. <i>Astronomical Journal</i> , 2019 , 157, 253	4.9	12
22	OSSOS XX: The Meaning of Kuiper Belt Colors. <i>Astronomical Journal</i> , 2020 , 160, 46	4.9	12
21	OSSOS. XIX. Testing Early Solar System Dynamical Models Using OSSOS Centaur Detections. <i>Astronomical Journal</i> , 2019 , 158, 132	4.9	11
20	Searching for moving objects in HSC-SSP: Pipeline and preliminary results. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	10
19	OSSOS. XIV. The Plane of the Kuiper Belt. <i>Astronomical Journal</i> , 2019 , 158, 49	4.9	7
18	OSSOS. <i>Astronomy and Astrophysics</i> , 2019 , 621, A102	5.1	7
17	Col-OSSOS: Compositional Homogeneity of Three Kuiper Belt Binaries. <i>Planetary Science Journal</i> , 2020 , 1, 16	2.9	6
16	OSSOS. XXI. Collision Probabilities in the Edgeworth-Kuiper Belt. <i>Astronomical Journal</i> , 2021 , 161, 195	4.9	6
15	OSSOS. XVIII. Constraining Migration Models with the 2:1 Resonance Using the Outer Solar System Origins Survey. <i>Astronomical Journal</i> , 2019 , 158, 214	4.9	5
14	DISCOVERY OF TWO ADDITIONAL JOVIAN IRREGULARS. <i>Astronomical Journal</i> , 2012 , 144, 21	4.9	5
13	OSSOS. XII. Variability Studies of 65 Trans-Neptunian Objects Using the Hyper Suprime-Cam. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 244, 19	8	3
12	OSSOS Finds an Exponential Cutoff in the Size Distribution of the Cold Classical Kuiper Belt. <i>Astrophysical Journal Letters</i> , 2021 , 920, L28	7.9	3
11	OSSOS: The eccentricity and inclination distributions of the stable neptunian Trojans. <i>Icarus</i> , 2021 , 361, 114391	3.8	3
10	A dearth of small members in the Haumea family revealed by OSSOS. <i>Nature Astronomy</i> , 2020 , 4, 89-96	12.1	3

9	OSSOS. XVII. An upper limit on the number of distant planetary objects in the Solar System. <i>Icarus</i> , 2021 , 356, 113793	3.8	2
8	OSSOS. XXIII. 2013 VZ70 and the Temporary Coorbitals of the Giant Planets. <i>Planetary Science Journal</i> , 2021 , 2, 212	2.9	1
7	Col-OSSOS: The Distinct Color Distribution of Single and Binary Cold Classical KBOs. <i>Planetary Science Journal</i> , 2021 , 2, 90	2.9	1
6	FOSSIL. I. The Spin Rate Limit of Jupiter Trojans. <i>Planetary Science Journal</i> , 2021 , 2, 191	2.9	1
5	FOSSIL. II. The Rotation Periods of Small-sized Hilda Asteroids. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 259, 7	8	1
4	Discovery of the Closest Saturnian Irregular Moon, S/2019 S 1, and Implications for the Direct/Retrograde Satellite Ratio. <i>Planetary Science Journal</i> , 2022 , 3, 107	2.9	0
3	OSSOS XXV: Large Populations and Scattering Sticking in the Distant Trans-Neptunian Resonances. <i>Planetary Science Journal</i> , 2022 , 3, 113	2.9	0
2	Col-OSSOS: Probing Ice Line/Color Transitions within the Kuiper Belt Progenitor Populations. <i>Planetary Science Journal</i> , 2022 , 3, 9	2.9	
1	Characterizing the Discovery of a New Trans-Neptunian Object Binary in a Trailed Point-spread Function Search. <i>Planetary Science Journal</i> , 2021 , 2, 159	2.9	