

# Marc J Kuchner

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,829  
citations

257450

24  
h-index

289244

40  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of CWISE J052306.42+015355.4, an Extreme T Subdwarf Candidate. <i>Astronomical Journal</i> , 2022, 163, 47.	4.7	4
2	EarthShine: Observing our world as an exoplanet from the surface of the Moon. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.8	3
3	Modeling Meteoroid Impacts on the Juno Spacecraft. <i>Planetary Science Journal</i> , 2022, 3, 14.	3.6	4
4	Discovery of 16 New Members of the Solar Neighborhood Using Proper Motions from CatWISE2020. <i>Astronomical Journal</i> , 2022, 163, 116.	4.7	4
5	CWISE J014611.20+050850.0AB: The Widest Known Brown Dwarf Binary in the Field. <i>Astrophysical Journal Letters</i> , 2022, 926, L12.	8.3	5
6	Planet Patrol: Vetting Transiting Exoplanet Candidates with Citizen Science. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 044401.	3.1	2
7	WDJ220838.73+454434.04: a White Dwarf Companion in the AR Lacertae System. <i>Research Notes of the AAS</i> , 2022, 6, 127.	0.7	1
8	Discovery of 34 Low-mass Comoving Systems Using NOIRLab Source Catalog DR2. <i>Astronomical Journal</i> , 2022, 164, 3.	4.7	5
9	Disks in Nearby Young Stellar Associations Found Via Virtual Reality. <i>Astrophysical Journal</i> , 2022, 933, 13.	4.5	5
10	The Field Substellar Mass Function Based on the Full-sky 20 pc Census of 525 L, T, and Y Dwarfs. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 7.	7.7	87
11	Identification of a Low-mass Companion to the White Dwarf SDSS J131730.84+483332.7. <i>Research Notes of the AAS</i> , 2021, 5, 76.	0.7	4
12	The Enigmatic Brown Dwarf WISEA J153429.75-104303.3 (a.k.a. "The Accident"). <i>Astrophysical Journal Letters</i> , 2021, 915, L6.	8.3	11
13	Identification of a White Dwarf Companion in the V* HP Dra System. <i>Research Notes of the AAS</i> , 2021, 5, 170.	0.7	0
14	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 915, 120.	4.5	17
15	Discovery of a Low-mass Comoving System Using NOIRLab Source Catalog DR2. <i>Research Notes of the AAS</i> , 2021, 5, 196.	0.7	2
16	Threat from Within: Excitation of Venus's Co-orbital Asteroids to Earth-crossing Orbits. <i>Planetary Science Journal</i> , 2021, 2, 193.	3.6	3
17	Backyard Worlds: Planet 9 Discovery of an Unusual Low-mass Companion to an M Dwarf at 80 pc. <i>Research Notes of the AAS</i> , 2021, 5, 18.	0.7	4
18	Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 921, 140.	4.5	9

#	ARTICLE	IF	CITATIONS
19	A Wide Planetary Mass Companion Discovered through the Citizen Science Project Backyard Worlds: Planet 9. <i>Astrophysical Journal</i> , 2021, 923, 48.	4.5	9
20	WISEA J083011.95+283716.0: A Missing Link Planetary-mass Object. <i>Astrophysical Journal</i> , 2020, 895, 145.	4.5	18
21	Peter Pan Disks: Long-lived Accretion Disks Around Young M Stars. <i>Astrophysical Journal</i> , 2020, 890, 106.	4.5	38
22	WISE 2150-7520AB: A Very Low-mass, Wide Comoving Brown Dwarf System Discovered through the Citizen Science Project Backyard Worlds: Planet 9*. <i>Astrophysical Journal</i> , 2020, 889, 176.	4.5	22
23	Utilizing Small Telescopes Operated by Citizen Scientists for Transiting Exoplanet Follow-up. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 054401.	3.1	31
24	Discovery of a Nearby Young Brown Dwarf Disk. <i>Astronomical Journal</i> , 2020, 160, 156.	4.7	3
25	WISEA J041451.67+585456.7 and WISEA J181006.18+101000.5: The First Extreme T-type Subdwarfs?. <i>Astrophysical Journal</i> , 2020, 898, 77.	4.5	24
26	Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2020, 899, 123.	4.5	28
27	A Deep Search for Stable Venus Co-orbital Asteroids: Limits on the Population. <i>Planetary Science Journal</i> , 2020, 1, 47.	3.6	8
28	A 3 Gyr White Dwarf with Warm Dust Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal Letters</i> , 2019, 872, L25.	8.3	28
29	Meteoroids at the Moon: Orbital Properties, Surface Vaporization, and Impact Ejecta Production. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 752-778.	3.6	49
30	Co-orbital Asteroids as the Source of Venus's Zodiacal Dust Ring. <i>Astrophysical Journal Letters</i> , 2019, 873, L16.	8.3	26
31	Disentangling Planets from Photoelectric Instability in Gas-rich Optically Thin Dusty Disks. <i>Astrophysical Journal</i> , 2019, 887, 6.	4.5	0
32	The HR 4796A Debris System: Discovery of Extensive Exo-ring Dust Material. <i>Astronomical Journal</i> , 2018, 155, 77.	4.7	47
33	The Interplay between Radiation Pressure and the Photoelectric Instability in Optically Thin Disks of Gas and Dust. <i>Astrophysical Journal</i> , 2018, 856, 41.	4.5	18
34	Follow-up Imaging of Disk Candidates from the Disk Detective Citizen Science Project: New Discoveries and False Positives in WISE Circumstellar Disk Surveys. <i>Astrophysical Journal</i> , 2018, 868, 43.	4.5	16
35	The First Brown Dwarf Discovered by the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal Letters</i> , 2017, 841, L19.	8.3	59
36	DISCOVERY OF AN INNER DISK COMPONENT AROUND HD 141569 A*. <i>Astrophysical Journal Letters</i> , 2016, 818, L23.	8.3	31

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37	DISK DETECTIVE: DISCOVERY OF NEW CIRCUMSTELLAR DISK CANDIDATES THROUGH CITIZEN SCIENCE. <i>Astrophysical Journal</i> , 2016, 830, 84.	4.5	26
38	A NEW M DWARF DEBRIS DISK CANDIDATE IN A YOUNG MOVING GROUP DISCOVERED WITH DISK DETECTIVE. <i>Astrophysical Journal Letters</i> , 2016, 830, L28.	8.3	25
39	APOCENTER GLOW IN ECCENTRIC DEBRIS DISKS: IMPLICATIONS FOR FOMALHAUT AND $\mu$ ERIDANI. <i>Astrophysical Journal</i> , 2016, 832, 81.	4.5	69
40	DEEP HST/STIS VISIBLE-LIGHT IMAGING OF DEBRIS SYSTEMS AROUND SOLAR ANALOG HOSTS. <i>Astronomical Journal</i> , 2016, 152, 64.	4.7	29
41	DIRECT IMAGING AND SPECTROSCOPY OF A YOUNG EXTRASOLAR KUIPER BELT IN THE NEAREST OB ASSOCIATION. <i>Astrophysical Journal Letters</i> , 2015, 807, L7.	8.3	47
42	A SMACK MODEL OF COLLIDING PLANETESIMALS IN THE $\hat{2}$ PICTORIS DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 815, 61.	4.5	50
43	THE INNER DISK STRUCTURE, DISK-PLANET INTERACTIONS, AND TEMPORAL EVOLUTION IN THE $\hat{2}$ PICTORIS SYSTEM: A TWO-EPOCH HST/STIS CORONAGRAPHIC STUDY. <i>Astrophysical Journal</i> , 2015, 800, 136.	4.5	47
44	THE PSEUDO-ZODI PROBLEM FOR EDGE-ON PLANETARY SYSTEMS. <i>Astrophysical Journal</i> , 2015, 801, 128.	4.5	28
45	PROBING FOR EXOPLANETS HIDING IN DUSTY DEBRIS DISKS: DISK IMAGING, CHARACTERIZATION, AND EXPLORATION WITH HST/STIS MULTI-ROLL CORONAGRAPHY. <i>Astronomical Journal</i> , 2014, 148, 59.	4.7	169
46	REVEALING ASYMMETRIES IN THE HD 181327 DEBRIS DISK: A RECENT MASSIVE COLLISION OR INTERSTELLAR MEDIUM WARPING. <i>Astrophysical Journal</i> , 2014, 789, 58.	4.5	81
47	THE SPITZER INFRARED SPECTROGRAPH DEBRIS DISK CATALOG. I. CONTINUUM ANALYSIS OF UNRESOLVED TARGETS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 211, 25.	7.7	196
48	SMACK: A NEW ALGORITHM FOR MODELING COLLISIONS AND DYNAMICS OF PLANETESIMALS IN DEBRIS DISKS. <i>Astrophysical Journal</i> , 2013, 777, 144.	4.5	52
49	THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A CLOSE SUBSTELLAR COMPANION TO THE YOUNG DEBRIS DISK STAR PZ Tel. <i>Astrophysical Journal Letters</i> , 2010, 720, L82-L87.	8.3	112
50	COLLISIONAL GROOMING MODELS OF THE KUIPER BELT DUST CLOUD. <i>Astronomical Journal</i> , 2010, 140, 1007-1019.	4.7	64
51	Collisional Grooming of Debris Disks. , 2009, , .		0
52	The Detectability of Exo-Earths and Super-Earths Via Resonant Signatures in Exozodiacal Clouds. <i>Astrophysical Journal</i> , 2008, 686, 637-648.	4.5	75
53	The Geometry of Resonant Signatures in Debris Disks with Planets. <i>Astrophysical Journal</i> , 2003, 588, 1110-1120.	4.5	134