

Ian Czekala

List of Publications by Year in descending order

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63
papers

4,265
citations

87888

38
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114465

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docs citations

64
times ranked

4587
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Masses and Stellar Evolutionary Model Predictions of M Stars. <i>Astrophysical Journal</i> , 2021, 908, 42.	4.5	14
2	A Coplanar Circumbinary Protoplanetary Disk in the TWA 3 Triple M Dwarf System. <i>Astrophysical Journal</i> , 2021, 912, 6.	4.5	21
3	Weighing stars from birth to death: mass determination methods across the HRD. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	25.5	38
4	exoplanet: Gradient-based probabilistic inference for exoplanet data other astronomical time series. <i>Journal of Open Source Software</i> , 2021, 6, 3285.	4.6	104
5	A Circumplanetary Disk around PDS70c. <i>Astrophysical Journal Letters</i> , 2021, 916, L2.	8.3	114
6	Gemini Planet Imager Spectroscopy of the Dusty Substellar Companion HD 206893 B. <i>Astronomical Journal</i> , 2021, 161, 5.	4.7	16
7	Molecules with ALMA at Planet-forming Scales (MAPS). VII. Substellar O/H and C/H and Superstellar C/O in Planet-feeding Gas. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 7.	7.7	40
8	Molecules with ALMA at Planet-forming Scales (MAPS). X. Studying Deuteration at High Angular Resolution toward Protoplanetary Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 10.	7.7	15
9	Molecules with ALMA at Planet-forming Scales (MAPS). XVIII. Kinematic Substructures in the Disks of HD 163296 and MWC 480. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 18.	7.7	51
10	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC ₃ N, CH ₃ CN, and c-C ₃ H ₂ . <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 9.	7.7	30
11	Molecules with ALMA at Planet-forming Scales (MAPS). XIX. Spiral Arms, a Tail, and Diffuse Structures Traced by CO around the GM Aur Disk. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 19.	7.7	33
12	Molecules with ALMA at Planet-forming Scales (MAPS). IV. Emission Surfaces and Vertical Distribution of Molecules. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 4.	7.7	58
13	Molecules with ALMA at Planet-forming Scales (MAPS). XII. Inferring the C/O and S/H Ratios in Protoplanetary Disks with Sulfur Molecules. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 12.	7.7	30
14	Molecules with ALMA at Planet-forming Scales (MAPS). XVII. Determining the 2D Thermal Structure of the HD 163296 Disk. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 17.	7.7	19
15	Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 1.	7.7	117
16	Molecules with ALMA at Planet-forming Scales (MAPS). VI. Distribution of the Small Organics HCN, C ₂ H, and H ₂ CO. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 6.	7.7	37
17	Molecules with ALMA at Planet-forming Scales (MAPS). XVI. Characterizing the Impact of the Molecular Wind on the Evolution of the HD 163296 System. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 16.	7.7	20
18	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 5.	7.7	87

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19	Molecules with ALMA at Planet-forming Scales (MAPS). III. Characteristics of Radial Chemical Substructures. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 3.	7.7	57
20	Molecules with ALMA at Planet-forming Scales (MAPS). XV. Tracing Protoplanetary Disk Structure within 20 au. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 15.	7.7	21
21	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209â€”Gas Depletion or Chemical Processing?. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 8.	7.7	22
22	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO ⁺ and Disk Ionization Structure. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 13.	7.7	24
23	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 14.	7.7	56
24	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 20.	7.7	26
25	Molecules with ALMA at Planet-forming Scales (MAPS). II. CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 2.	7.7	58
26	Deep Exploration of the Planets HR 8799 b, c, and d with Moderate-resolution Spectroscopy. <i>Astronomical Journal</i> , 2021, 162, 290.	4.7	27
27	Molecules with ALMA at Planet-forming Scales (MAPS). XI. CN and HCN as Tracers of Photochemistry in Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 11.	7.7	25
28	An Unbiased ALMA Spectral Survey of the LkCa 15 and MWC 480 Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 893, 101.	4.5	38
29	The Gemini Planet Imager View of the HD 32297 Debris Disk. <i>Astronomical Journal</i> , 2020, 159, 251.	4.7	19
30	Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign. <i>Astronomical Journal</i> , 2020, 160, 24.	4.7	64
31	BAFFLES: Bayesian Ages for Field Lower-mass Stars. <i>Astrophysical Journal</i> , 2020, 898, 27.	4.5	26
32	Radial Velocity Measurements of HR 8799 b and c with Medium Resolution Spectroscopy. <i>Astronomical Journal</i> , 2019, 158, 200.	4.7	37
33	The Degree of Alignment between Circumbinary Disks and Their Binary Hosts. <i>Astrophysical Journal</i> , 2019, 883, 22.	4.5	69
34	The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. <i>Astronomical Journal</i> , 2019, 158, 13.	4.7	270
35	Detecting Weak Spectral Lines in Interferometric Data through Matched Filtering. <i>Astronomical Journal</i> , 2018, 155, 182.	4.7	56
36	A Bayesian Framework for Exoplanet Direct Detection and Non-detection. <i>Astronomical Journal</i> , 2018, 156, 196.	4.7	17

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37	Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. <i>Astrophysical Journal</i> , 2018, 852, 81.	4.5	88
38	Characterizing 51 Eri b from 1 to 5 μ m: A Partly Cloudy Exoplanet. <i>Astronomical Journal</i> , 2017, 154, 10.	4.7	110
39	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. <i>Astrophysical Journal</i> , 2017, 842, 14.	4.5	96
40	ALMA MEASUREMENTS OF CIRCUMSTELLAR MATERIAL IN THE GQ LUP SYSTEM. <i>Astrophysical Journal</i> , 2017, 835, 17.	4.5	59
41	ALMA Observations of the Young Substellar Binary System 2M1207. <i>Astronomical Journal</i> , 2017, 154, 24.	4.7	42
42	Placing the Spotted T Tauri Star LkCa 4 on an HR Diagram. <i>Astrophysical Journal</i> , 2017, 836, 200.	4.5	97
43	The Architecture of the GW Ori Young Triple-star System and Its Disk: Dynamical Masses, Mutual Inclinations, and Recurrent Eclipses. <i>Astrophysical Journal</i> , 2017, 851, 132.	4.5	22
44	Disentangling Time-series Spectra with Gaussian Processes: Applications to Radial Velocity Analysis. <i>Astrophysical Journal</i> , 2017, 840, 49.	4.5	39
45	THE COUPLED PHYSICAL STRUCTURE OF GAS AND DUST IN THE IM Lup PROTOPLANETARY DISK. <i>Astrophysical Journal</i> , 2016, 832, 110.	4.5	130
46	THE INTERMEDIATE LUMINOSITY OPTICAL TRANSIENT SN 2010DA: THE PROGENITOR, ERUPTION, AND AFTERMATH OF A PECULIAR SUPERGIANT HIGH-MASS X-RAY BINARY. <i>Astrophysical Journal</i> , 2016, 830, 11.	4.5	30
47	A DISK-BASED DYNAMICAL CONSTRAINT ON THE MASS OF THE YOUNG BINARY DQ TAU. <i>Astrophysical Journal</i> , 2016, 818, 156.	4.5	50
48	CONSTRUCTING A FLEXIBLE LIKELIHOOD FUNCTION FOR SPECTROSCOPIC INFERENCE. <i>Astrophysical Journal</i> , 2015, 812, 128.	4.5	104
49	A DISK-BASED DYNAMICAL MASS ESTIMATE FOR THE YOUNG BINARY AK SCO. <i>Astrophysical Journal</i> , 2015, 806, 154.	4.5	70
50	SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , 2014, 795, 45.	4.5	131
51	The superluminous supernova PS1-11ap: bridging the gap between low and high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 656-674.	4.4	64
52	THE ULTRAVIOLET-BRIGHT, SLOWLY DECLINING TRANSIENT PS1-11af AS A PARTIAL TIDAL DISRUPTION EVENT. <i>Astrophysical Journal</i> , 2014, 780, 44.	4.5	166
53	HIGH-DENSITY CIRCUMSTELLAR INTERACTION IN THE LUMINOUS TYPE II _n SN 2010jl: THE FIRST 1100 DAYS. <i>Astrophysical Journal</i> , 2014, 797, 118.	4.5	159
54	COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2014, 795, 44.	4.5	262

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55	DEMOGRAPHICS OF THE GALAXIES HOSTING SHORT-DURATION GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2013, 769, 56.	4.5	152
56	PS1-10bjz: A FAST, HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA IN A METAL-POOR HOST GALAXY. <i>Astrophysical Journal</i> , 2013, 771, 97.	4.5	79
57	PS1-10afx AT $z = 1.388$: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2013, 767, 162.	4.5	56
58	THE UNUSUALLY LUMINOUS EXTRAGALACTIC NOVA SN 2010U. <i>Astrophysical Journal</i> , 2013, 765, 57.	4.5	5
59	A SPECTROSCOPIC STUDY OF TYPE Ibc SUPERNOVA HOST GALAXIES FROM UNTARGETED SURVEYS. <i>Astrophysical Journal</i> , 2012, 758, 132.	4.5	94
60	A JET BREAK IN THE X-RAY LIGHT CURVE OF SHORT GRB 111020A: IMPLICATIONS FOR ENERGETICS AND RATES. <i>Astrophysical Journal</i> , 2012, 756, 189.	4.5	101
61	ULTRALUMINOUS SUPERNOVAE AS A NEW PROBE OF THE INTERSTELLAR MEDIUM IN DISTANT GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 755, L29.	8.3	57
62	Pan-STARRS1 DISCOVERY OF TWO ULTRALUMINOUS SUPERNOVAE AT $z \approx 0.9$. <i>Astrophysical Journal</i> , 2011, 743, 114.	4.5	168
63	TRUNCATED DISKS IN TW Hya ASSOCIATION MULTIPLE STAR SYSTEMS. <i>Astrophysical Journal</i> , 2010, 710, 462-469.	4.5	78