

Patrick Koch

List of Publications by Year in descending order

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papers

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6118
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#	ARTICLE	IF	CITATIONS
1	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	4.5	6
2	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	4.5	16
3	The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1985-2002.	4.4	7
4	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	8.3	163
5	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	8.3	20
6	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	8.3	215
7	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	8.3	142
8	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	8.3	137
9	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	8.3	568
10	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. <i>Astrophysical Journal</i> , 2022, 930, 67.	4.5	3
11	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	8.3	21
12	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	8.3	43
13	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.	8.3	20
14	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.	8.3	187
15	Formation of the SDC13 Hub-filament System: A Cloud–Cloud Collision Imprinted on the Multiscale Magnetic Field. <i>Astrophysical Journal</i> , 2022, 931, 115.	4.5	8
16	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
17	Observations of Magnetic Fields Surrounding LkH $\hat{\pm}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
18	Dynamical Stellar Masses of Pre-main-sequence Stars in Lupus and Taurus Obtained with ALMA Surveys in Comparison with Stellar Evolutionary Models. <i>Astrophysical Journal</i> , 2021, 908, 46.	4.5	15

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19	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
20	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
21	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
22	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	8.3	297
23	Constraints on the Mass Accretion Rate onto the Supermassive Black Hole of Cygnus A Using the Submillimeter Array. <i>Astrophysical Journal</i> , 2021, 911, 35.	4.5	1
24	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	8.3	56
25	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	4.7	126
26	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 913, 57.	4.5	6
27	Magnetic Fields in Massive Star-forming Regions (MagMaR). I. Linear Polarized Imaging of the Ultracompact H ii Region G5.89 \hat{c} 0.39. <i>Astrophysical Journal</i> , 2021, 913, 29.	4.5	13
28	The Circumnuclear Disk Revealed by ALMA. I. Dense Clouds and Tides in the Galactic Center. <i>Astrophysical Journal</i> , 2021, 913, 94.	4.5	12
29	Does the Magnetic Field Suppress Fragmentation in Massive Dense Cores?. <i>Astrophysical Journal</i> , 2021, 912, 159.	4.5	26
30	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	4.5	43
31	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27.	8.3	21
32	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. <i>Astrophysical Journal</i> , 2021, 913, 85.	4.5	19
33	Gravity-driven Magnetic Field at \hat{c} 1/41000 au Scales in High-mass Star Formation. <i>Astrophysical Journal Letters</i> , 2021, 915, L10.	8.3	41
34	No Impact of Core-scale Magnetic Field, Turbulence, or Velocity Gradient on Sizes of Protostellar Disks in Orion A. <i>Astrophysical Journal</i> , 2021, 916, 97.	4.5	3
35	The JCMT BISTRO Survey: An 850/450 \hat{c} 1/4m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
36	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. <i>Astrophysical Journal Letters</i> , 2021, 923, L9.	8.3	4

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37	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	7.8	190
38	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	4.5	44
39	Multiwavelength Polarimetry of the Filamentary Cloud IC 5146. II. Magnetic Field Structures. <i>Astrophysical Journal</i> , 2020, 888, 13.	4.5	15
40	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	4.5	47
41	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	5.1	54
42	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5.	5.1	18
43	Role of the magnetic field in the fragmentation process: the case of G14.225-0.506. <i>Astronomy and Astrophysics</i> , 2020, 644, A52.	5.1	16
44	Transition from Ordered Pinched to Warped Magnetic Field on a 100 au Scale in the Class 0 Protostar B335. <i>Astrophysical Journal</i> , 2020, 893, 54.	4.5	7
45	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	4.5	39
46	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
47	Formation of the Hub–Filament System G33.92+0.11: Local Interplay between Gravity, Velocity, and Magnetic Field. <i>Astrophysical Journal</i> , 2020, 905, 158.	4.5	23
48	Control and monitoring software for the Greenland Telescope. , 2020, , .		2
49	Status of scientific commissioning of the Greenland Telescope. , 2020, , .		3
50	Spiral-arm Substructures in the Asymmetrical Dust Rings of the Circumstellar Disk MWC 758. <i>Astrophysical Journal</i> , 2020, 904, 125.	4.5	1
51	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
52	Gravity, Magnetic Field, and Turbulence: Relative Importance and Impact on Fragmentation in the Infrared Dark Cloud G34.43+00.24. <i>Astrophysical Journal</i> , 2019, 878, 10.	4.5	45
53	HL Tau Disk in HCO^+ (3σ) and (1σ) with ALMA: Gas Density, Temperature, Gap, and One-arm Spiral. <i>Astrophysical Journal</i> , 2019, 880, 69.	4.5	45
54	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42

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55	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>Ophiuchus C</i> . <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
56	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal</i> , Supplement Series, 2019, 242, 27.	7.7	0
57	JCMT POL-2 and ALMA Polarimetric Observations of 6000–100 au Scales in the Protostar B335: Linking Magnetic Field and Gas Kinematics in Observations and MHD Simulations. <i>Astrophysical Journal</i> , 2019, 871, 243.	4.5	14
58	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
59	SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution – survey description and compact source catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2895-2908.	4.4	22
60	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
61	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
62	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
63	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
64	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
65	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	8.3	897
66	Multi-scale analysis of the Monoceros OB 1 star-forming region. <i>Astronomy and Astrophysics</i> , 2019, 631, A3.	5.1	20
67	The Nuclear Filaments inside the Circumnuclear Disk in the Central 0.5 pc of the Galactic Center. <i>Astrophysical Journal Letters</i> , 2019, 885, L20.	8.3	3
68	Multi-scale analysis of the Monoceros OB 1 star-forming region. <i>Astronomy and Astrophysics</i> , 2019, 631, L1.	5.1	11
69	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95.	4.5	38
70	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. <i>Astrophysical Journal</i> , 2018, 856, 141.	4.5	19
71	The TOP-SCOPE Survey of <i>Planck</i> Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal</i> , Supplement Series, 2018, 234, 28.	7.7	50
72	Polarization Properties and Magnetic Field Structures in the High-mass Star-forming Region W51 Observed with ALMA. <i>Astrophysical Journal</i> , 2018, 855, 39.	4.5	34

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73	Dust spectrum and polarisation at 850 μm in the massive IRDC G035.39-00.33. <i>Astronomy and Astrophysics</i> , 2018, 620, A26.	5.1	22
74	Kinematics of neutral and ionized gas in the candidate protostar with efficient magnetic braking B335. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 120-120.	0.0	0
75	Planck Cold Clumps in the $\rho\text{O}3$ Orionis Complex. II. Environmental Effects on Core Formation. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 51.	7.7	22
76	Constraint on ion-neutral drift velocity in the Class 0 protostar B335 from ALMA observations. <i>Astronomy and Astrophysics</i> , 2018, 615, A58.	5.1	14
77	A First Look at BISTRO Observations of the $\rho\text{Oph-A}$ core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
78	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
79	A Magnetic Field Connecting the Galactic Center Circumnuclear Disk with Streamers and Mini-spiral: Implications from 850 μm Polarization Data. <i>Astrophysical Journal</i> , 2018, 862, 150.	4.5	15
80	Stellar masses and disk properties of Lupus young stellar objects traced by velocity-aligned stacked ALMA ^{13}CO and C^{18}O spectra. <i>Astronomy and Astrophysics</i> , 2018, 616, A100.	5.1	20
81	The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 49.	7.7	10
82	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 859, 151.	4.5	57
83	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
84	Electronics instrumentation for the Greenland telescope. , 2018, , .		3
85	The Greenland telescope: Thule operations. , 2018, , .		8
86	Performance of pre-production band 1 receiver for the Atacama Large Millimeter/submillimeter Array (ALMA). , 2018, , .		0
87	Control and monitoring system for the Greenland telescope: computers, network and software. , 2018, , .		3
88	Commissioning status of the Greenland telescope. , 2018, , .		4
89	3.5 Year Monitoring of 225 GHz Opacity at the Summit of Greenland. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 025001.	3.1	11
90	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79

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91	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122.	4.5	103
92	SIGNS OF EARLY-STAGE DISK GROWTH REVEALED WITH ALMA. <i>Astrophysical Journal</i> , 2017, 834, 178.	4.5	112
93	Magnetized Converging Flows toward the Hot Core in the Intermediate/High-mass Star-forming Region NGC 6334 V. <i>Astrophysical Journal</i> , 2017, 844, 44.	4.5	20
94	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
95	Molecular Gas Feeding the Circumnuclear Disk of the Galactic Center. <i>Astrophysical Journal</i> , 2017, 847, 3.	4.5	21
96	THE FOSSIL NUCLEAR OUTFLOW IN THE CENTRAL 30 pc OF THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2016, 831, 72.	4.5	10
97	AMiBA: CLUSTER SUNYAEVâ€“ZELâ€™DOVICH EFFECT OBSERVATIONS WITH THE EXPANDED 13-ELEMENT ARRAY. <i>Astrophysical Journal</i> , 2016, 830, 91.	4.5	1
98	PROTOSTAR L1455 IRS1: A ROTATING DISK CONNECTING TO A FILAMENTARY NETWORK. <i>Astrophysical Journal</i> , 2016, 823, 151.	4.5	6
99	PLANCK COLD CLUMPS IN THE Î» ORIONIS COMPLEX. I. DISCOVERY OF AN EXTREMELY YOUNG CLASS 0 PROTOSTELLAR OBJECT AND A PROTO-BROWN DWARF CANDIDATE IN THE BRIGHT-RIMMED CLUMP PGCC G192.32â€“11.88. <i>Astrophysical Journal</i> , Supplement Series, 2016, 222, 7.	7.7	31
100	The Greenland Telescope: antenna retrofit status and future plans. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
101	STACKING SPECTRA IN PROTOPLANETARY DISKS: DETECTING INTENSITY PROFILES FROM HIDDEN MOLECULAR LINES IN HD 163296. <i>Astrophysical Journal</i> , 2016, 832, 204.	4.5	47
102	The Atacama Large Millimeter/sub-millimeter Array band-1 receiver. <i>Proceedings of SPIE</i> , 2016, , .	0.8	7
103	Design and Fabrication of TES Detector Modules for the TIME-Pilot [CII] Intensity Mapping Experiment. <i>Journal of Low Temperature Physics</i> , 2016, 184, 733-738.	1.4	3
104	First-generation science cases for ground-based terahertz telescopes. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	2.5	12
105	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1.	8.3	90
106	NO KEPLERIAN DISK >10 AU AROUND THE PROTOSTAR B335: MAGNETIC BRAKING OR YOUNG AGE?. <i>Astrophysical Journal</i> , 2015, 812, 129.	4.5	57
107	OBSERVATIONS OF INFALLING AND ROTATIONAL MOTIONS ON A 1000 AU SCALE AROUND 17 CLASS 0 AND O/I PROTOSTARS: HINTS OF DISK GROWTH AND MAGNETIC BRAKING?. <i>Astrophysical Journal</i> , 2015, 799, 193.	4.5	72
108	GALAXY CLUSTER SCALING RELATIONS BETWEEN BOLOCAM SUNYAEVâ€“ZELâ€™DOVICH EFFECT AND CHANDRA X-RAY MEASUREMENTS. <i>Astrophysical Journal</i> , 2015, 806, 18.	4.5	48

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109	Local Magnetic Field Role in Star Formation. EAS Publications Series, 2015, 75-76, 159-162.	0.3	1
110	MEASURING MASS ACCRETION RATE ONTO THE SUPERMASSIVE BLACK HOLE IN M87 USING FARADAY ROTATION MEASURE WITH THE SUBMILLIMETER ARRAY. Astrophysical Journal Letters, 2014, 783, L33.	8.3	103
111	The TIME-Pilot intensity mapping experiment. Proceedings of SPIE, 2014, , .	0.8	51
112	The Greenland Telescope (GLT): antenna status and future plans. , 2014, , .		2
113	THE IMPORTANCE OF THE MAGNETIC FIELD FROM AN SMA-CSO-COMBINED SAMPLE OF STAR-FORMING REGIONS. Astrophysical Journal, 2014, 797, 99.	4.5	41
114	Greenland telescope project: Direct confirmation of black hole with submillimeter VLBI. Radio Science, 2014, 49, 564-571.	1.6	39
115	Instrumentation for single-dish observations with The Greenland Telescope. , 2014, , .		4
116	MAGNETIC FIELDS AND MASSIVE STAR FORMATION. Astrophysical Journal, 2014, 792, 116.	4.5	142
117	PLATFORM DEFORMATION PHASE CORRECTION FOR THE AMiBA-13 COPLANAR INTERFEROMETER. Astrophysical Journal, 2013, 769, 71.	4.5	1
118	A MEASUREMENT OF THE KINETIC SUNYAEV-ZEL'DOVICH SIGNAL TOWARD MACS J0717.5+3745. Astrophysical Journal, 2013, 778, 52.	4.5	70
119	DR 21(OH): A HIGHLY FRAGMENTED, MAGNETIZED, TURBULENT DENSE CORE. Astrophysical Journal, 2013, 772, 69.	4.5	79
120	INTERPRETING THE ROLE OF THE MAGNETIC FIELD FROM DUST POLARIZATION MAPS. Astrophysical Journal, 2013, 775, 77.	4.5	23
121	THE CONTRIBUTION OF RADIO GALAXY CONTAMINATION TO MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH DECREMENT IN MASSIVE GALAXY CLUSTERS AT 140 GHz WITH BOLOCAM. Astrophysical Journal, 2013, 764, 152.	4.5	25
122	Greenland Telescope (GLT) Project. EPJ Web of Conferences, 2013, 61, 01008.	0.3	2
123	DUST CONTINUUM AND POLARIZATION FROM ENVELOPE TO CORES IN STAR FORMATION: A CASE STUDY IN THE W51 NORTH REGION. Astrophysical Journal, 2013, 763, 135.	4.5	27
124	SUNYAEV-ZEL'DOVICH-MEASURED PRESSURE PROFILES FROM THE BOLOCAM X-RAY/SZ GALAXY CLUSTER SAMPLE. Astrophysical Journal, 2013, 768, 177.	4.5	88
125	Magnetic field morphologies at mpc scale. Proceedings of the International Astronomical Union, 2012, 10, 392-392.	0.0	0
126	ALMA nutator design and preliminary performances. Proceedings of SPIE, 2012, , .	0.8	0

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127	A MULTI-WAVELENGTH STUDY OF THE SUNYAEV-ZEL'DOVICH EFFECT IN THE TRIPLE-MERGER CLUSTER MACS J0717.5+3745 WITH MUSTANG AND BOLOCAM. <i>Astrophysical Journal</i> , 2012, 761, 47.	4.5	59
128	BOLOCAM OBSERVATIONS OF TWO UNCONFIRMED GALAXY CLUSTER CANDIDATES FROM THE <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH SAMPLE. <i>Astrophysical Journal Letters</i> , 2012, 749, L15.	8.3	11
129	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
130	MAGNETIC FIELD STRENGTH MAPS FOR MOLECULAR CLOUDS: A NEW METHOD BASED ON A POLARIZATION-INTENSITY GRADIENT RELATION. <i>Astrophysical Journal</i> , 2012, 747, 79.	4.5	52
131	QUANTIFYING THE SIGNIFICANCE OF THE MAGNETIC FIELD FROM LARGE-SCALE CLOUD TO COLLAPSING CORE: SELF-SIMILARITY, MASS-TO-FLUX RATIO, AND STAR FORMATION EFFICIENCY. <i>Astrophysical Journal</i> , 2012, 747, 80.	4.5	26
132	1.2Åm Shielded Cassegrain Antenna for Close-Packed Radio Interferometer. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 198-212.	3.1	2
133	AMiBA: SCALING RELATIONS BETWEEN THE INTEGRATED COMPTON- <i>y</i> AND X-RAY-DERIVED TEMPERATURE, MASS, AND LUMINOSITY. <i>Astrophysical Journal</i> , 2010, 716, 758-765.	4.5	14
134	IMPLICATIONS OF A HIGH ANGULAR RESOLUTION IMAGE OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RXJ1347+1145. <i>Astrophysical Journal</i> , 2010, 716, 739-745.	4.5	62
135	AMiBA WIDEBAND ANALOG CORRELATOR. <i>Astrophysical Journal</i> , 2010, 716, 746-757.	4.5	17
136	AMiBA: SUNYAEV-ZEL'DOVICH EFFECT-DERIVED PROPERTIES AND SCALING RELATIONS OF MASSIVE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2010, 713, 584-591.	4.5	7
137	CONTAMINATION OF THE CENTRAL SUNYAEV-ZEL'DOVICH DECREMENTS IN AMiBA GALAXY CLUSTER OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 720, 608-613.	4.5	3
138	CONSTRAINING INTRACLUSTER GAS MODELS WITH AMiBA13. <i>Astrophysical Journal</i> , 2010, 723, 1272-1285.	4.5	10
139	HIGH-ANGULAR RESOLUTION DUST POLARIZATION MEASUREMENTS: SHAPED <i>B</i> -FIELD LINES IN THE MASSIVE STAR-FORMING REGION ORION BN/KL. <i>Astrophysical Journal</i> , 2010, 717, 1262-1273.	4.5	52
140	MAGNETIC FIELD PROPERTIES IN HIGH-MASS STAR FORMATION FROM LARGE TO SMALL SCALES: A STATISTICAL ANALYSIS FROM POLARIZATION DATA. <i>Astrophysical Journal</i> , 2010, 721, 815-827.	4.5	23
141	EVOLUTION OF MAGNETIC FIELDS IN HIGH MASS STAR FORMATION: SUBMILLIMETER ARRAY DUST POLARIZATION IMAGE OF THE ULTRACOMPACT H II REGION G5.89+0.39. <i>Astrophysical Journal</i> , 2009, 695, 1399-1412.	4.5	58
142	ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY: OBSERVATIONS, DATA ANALYSIS, AND RESULTS FOR SUNYAEV-ZEL'DOVICH EFFECTS. <i>Astrophysical Journal</i> , 2009, 694, 1619-1628.	4.5	22
143	AMiBA: SYSTEM PERFORMANCE. <i>Astrophysical Journal</i> , 2009, 694, 1629-1636.	4.5	15
144	TESTS OF AMiBA DATA INTEGRITY. <i>Astrophysical Journal</i> , 2009, 694, 1637-1642.	4.5	14

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145	EVOLUTION OF MAGNETIC FIELDS IN HIGH-MASS STAR FORMATION: LINKING FIELD GEOMETRY AND COLLAPSE FOR THE W51 e2/e8 CORES. <i>Astrophysical Journal</i> , 2009, 700, 251-261.	4.5	91
146	AMiBA: BROADBAND HETERODYNE COSMIC MICROWAVE BACKGROUND INTERFEROMETRY. <i>Astrophysical Journal</i> , 2009, 694, 1664-1669.	4.5	25
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